

# EYE Color Arc<sup>®</sup>

## (3000K Series)



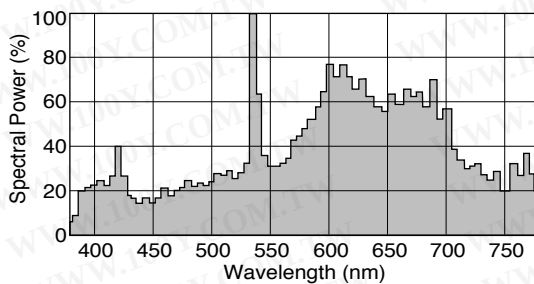
For applications which require natural, well - balanced light from a high efficiency light source.

You can choose from three different lighting atmospheres, warm white, neutral white or cool white.

### FEATURES

1. Excellent colour rendition - Ra, R9 (red colour) is especially high
2. Warm white colour for colour temperature 3000K, series  
(Neutral white colour for colour temperature 4500K series)  
(Cool white colour for colour temperature 6500K series)
3. Compact tubular bulb and E27 base (up to 150W)
4. Remarkable power savings due to high efficacy
5. Universal burning position
6. The outer bulb is made of UV - absorbing hard glass and an add on UV cut coating (E27 base lamps)
7. Protective sleeve surrounding discharge tube allows operation in open fixtures for indoor use (up to 150W)

### Spectral distribution 3000K



勝特力材料 886-3-5753170  
勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

### CHARACTERISTICS 3000K Series

| Type         | Watts (W) | Base | Bulb | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Ra | Rated Av. Life (hrs) | Fig. No. |
|--------------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----|----------------------|----------|
|              |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |    |                      |          |
| Clear Type   |           |      |      |                |             |             |             |             |                             |    |                      |          |
| MT150SLW     | 150       | E27  | T40  | 12             | 155         | 97          | 95          | 1.9         | 9500                        | 96 | 6000                 | 1        |
| MT150SLW/G12 | 150       | G12  | T25  | 24             | 105         | 56          | 95          | 1.9         | 9500                        | 96 | 6000                 | 2        |
| Frosted Type |           |      |      |                |             |             |             |             |                             |    |                      |          |
| MT150FSLW    | 150       | E27  | T40  | 12             | 155         | —           | 95          | 1.9         | 9000                        | 96 | 6000                 | 1        |

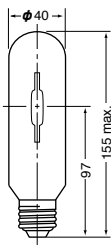


Fig.1

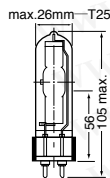


Fig.2

### BALLAST & IGNITOR

EYE Electronic Ballasts are available for the lamp operation with excellent performance.

or

EYE Color Arc<sup>®</sup> can be operated on a standard HPS ballast or a metal halide ballast\*, and ignitor for E27 base (70W, 150W) and E40 base (150W, 250W).

※For safe operation and best performance, please contact Iwasaki or any local ballast manufacturer or ignitor manufacturer.



# EYE Color Arc<sup>®</sup>

## (3500K Series)



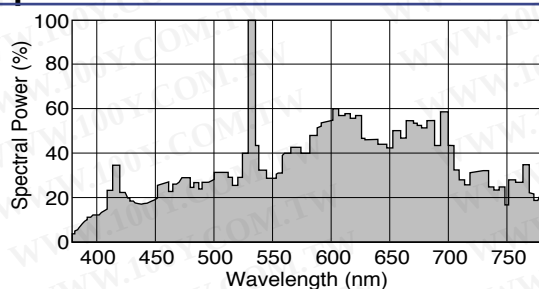
For applications which require natural, well - balanced light from a high efficiency light source.

You can choose from three different lighting atmospheres, warm white, neutral white or cool white.

### FEATURES

1. Excellent colour rendition - Ra, R9 (red colour) is especially high
2. Warm white colour for colour temperature 3500K series  
(Neutral white colour for colour temperature 4500K series)  
(Cool white colour for colour temperature 6500K series)
3. Compact tubular bulb and E27 base (up to 150W)
4. Remarkable power savings due to high efficacy
5. Universal burning position
6. The outer bulb is made of UV - absorbing hard glass and an add on UV cut coating (E27 base lamps)
7. Protective sleeve surrounding discharge tube allows operation in open fixtures for indoor use (up to 150W)

### Spectral distribution 3500K



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### CHARACTERISTICS 3500K Series

| Type         | Watts (W) | Base | Bulb | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Ra | Rated Av. Life (hrs) | Fig. No. |
|--------------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----|----------------------|----------|
|              |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |    |                      |          |
| Clear Type   |           |      |      |                |             |             |             |             |                             |    |                      |          |
| MT70SDW      | 70        | E27  | T35  | 12             | 140         | 89          | 90          | 1.0         | 4500                        | 96 | 9000                 | 1        |
| MT100SDW ※1  | 100       | E27  | T35  | 12             | 140         | 89          | 95          | 1.3         | 6500                        | 96 | 9000                 | 1        |
| MT150SDW     | 150       | E27  | T40  | 12             | 155         | 97          | 95          | 1.9         | 10000                       | 96 | 12000                | 2        |
| MT70SDW/G8.5 | 70        | G8.5 | T18  | 24             | 85          | 52          | 90          | 1.0         | 4500                        | 96 | 6000                 | 3        |
| MT70SDW/G12  | 70        | G12  | T18  | 24             | 105         | 56          | 90          | 1.0         | 4500                        | 96 | 6000                 | 4        |
| MT150SDW/G12 | 150       | G12  | T25  | 24             | 105         | 56          | 95          | 1.9         | 10000                       | 96 | 6000                 | 4        |
| Frosted Type |           |      |      |                |             |             |             |             |                             |    |                      |          |
| MT70FSDW     | 70        | E27  | T35  | 12             | 140         | —           | 90          | 1.0         | 4300                        | 96 | 9000                 | 1        |
| MT100FSDW ※1 | 100       | E27  | T35  | 12             | 140         | —           | 95          | 1.3         | 6000                        | 96 | 9000                 | 1        |
| MT150FSDW    | 150       | E27  | T40  | 12             | 155         | —           | 95          | 1.9         | 9600                        | 96 | 12000                | 2        |

※1 MT100SDW, MT100FSDW lamps require only EYE Electronic Ballast for the operation.

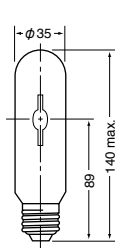


Fig.1

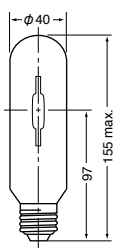


Fig.2

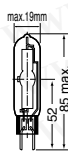


Fig.3

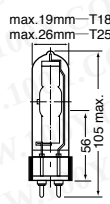


Fig.4

### BALLAST & IGNITOR

EYE Electronic Ballasts are available for the lamp operation with excellent performance.

or

EYE Color Arc<sup>®</sup> can be operated on a standard HPS ballast or a metal halide ballast\*, and ignitor for E27 base (70W, 150W) and E40 base (150W, 250W).

※For safe operation and best performance, please contact Iwasaki or any local ballast manufacturer or ignitor manufacturer.

# EYE Color Arc<sup>®</sup>

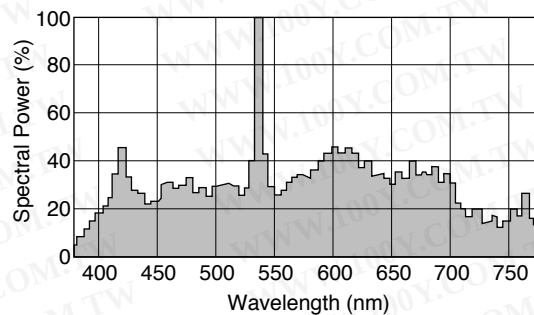
## (4500K Series)



### FEATURES

1. Excellent colour rendition, Ra 96, R9 (red colour) is especially high.
2. Warm white colour (Colour temperature 4500K)
3. Compact tubular bulb, E27 & E40 bases.
4. Remarkable power savings due to high efficacy
5. Universal burning position. (MT250SW : BU $\pm$ 15° burning only)
6. The outer blub is made of UV-cut coating glass. (E27 base lamps)
7. Protective sleeve surrounding discharge tube allows operation in open fixtures for indoor use.

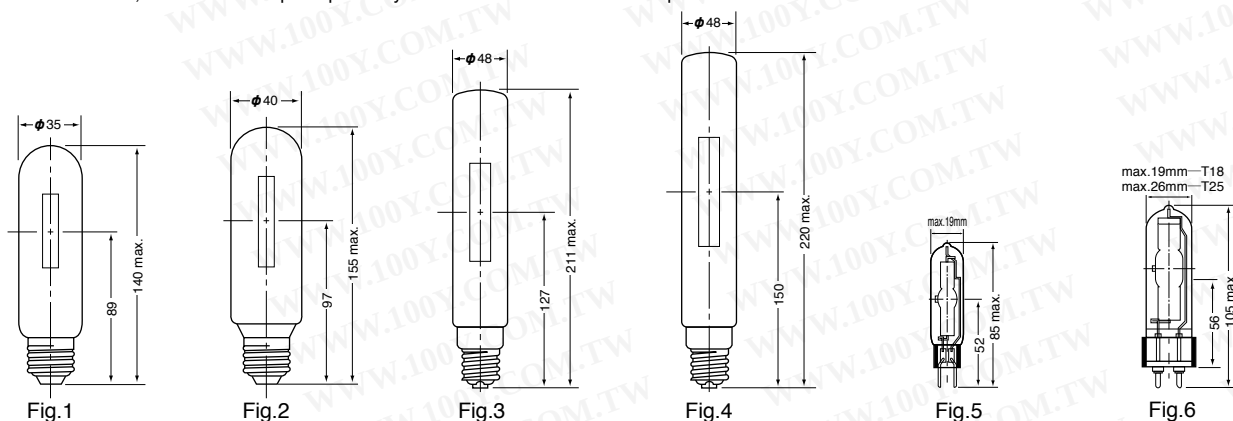
### Spectral distribution 4500K



### CHARACTERISTICS 4500K Series

| Type         | Watts (W) | Base | Bulb | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (ℓm) | Ra | Rated Av. Life (hrs) | Fig. No. |
|--------------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----|----------------------|----------|
|              |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |    |                      |          |
| Clear Type   |           |      |      |                |             |             |             |             |                             |    |                      |          |
| MT70SW       | 70        | E27  | T35  | 12             | 140         | 89          | 90          | 1.0         | 5000                        | 96 | 9000                 | 1        |
| MT100SW ※ 1  | 100       | E27  | T35  | 12             | 140         | 89          | 95          | 1.3         | 7000                        | 96 | 9000                 | 1        |
| MT150SW      | 150       | E27  | T40  | 12             | 155         | 97          | 95          | 1.9         | 11000                       | 96 | 12000                | 2        |
| MT150SW/E40  | 150       | E40  | T48  | 12             | 211         | 127         | 95          | 1.9         | 11000                       | 96 | 12000                | 3        |
| MT250SW      | 250       | E40  | T48  | 12             | 220         | 150         | 100         | 3.0         | 19000                       | 96 | 6000                 | 4        |
| MT70SW/G8.5  | 70        | G8.5 | T18  | 24             | 85          | 52          | 90          | 1.0         | 5000                        | 96 | 6000                 | 5        |
| MT70SW/G12   | 70        | G12  | T18  | 24             | 105         | 56          | 90          | 1.0         | 5000                        | 96 | 6000                 | 6        |
| MT150SW/G12  | 150       | G12  | T25  | 24             | 105         | 56          | 95          | 1.9         | 11000                       | 96 | 6000                 | 6        |
| Frosted Type |           |      |      |                |             |             |             |             |                             |    |                      |          |
| MT70FSW      | 70        | E27  | T35  | 12             | 140         | —           | 90          | 1.0         | 4800                        | 96 | 9000                 | 1        |
| MT100FSW ※ 1 | 100       | E27  | T35  | 12             | 140         | —           | 95          | 1.3         | 6500                        | 96 | 9000                 | 1        |
| MT150FSW     | 150       | E27  | T40  | 12             | 155         | —           | 95          | 1.9         | 10500                       | 96 | 12000                | 2        |

※ 1 MT100SW, MT100FSW lamps require only EYE Electronic Ballast for the operation.



### BALLAST & IGNITOR

EYE Electronic Ballasts are available for the lamp operation with excellent performance.

or

EYE Color Arc<sup>®</sup> can be operated on a standard HPS ballast or a metal halide ballast\* and ignitor for E27 base (70W, 150W) and E40 base (150W, 250W).

※For safe operation and best performance, please contact Iwasaki or any local ballast manufacturer or ignitor manufacturer.



# EYE Color Arc

## (6500K Series)



EYE Color Arc lamps operate on Iwasaki electronic ballasts and appropriate high-pressure sodium or metal halide lamp ballasts with ignitors.

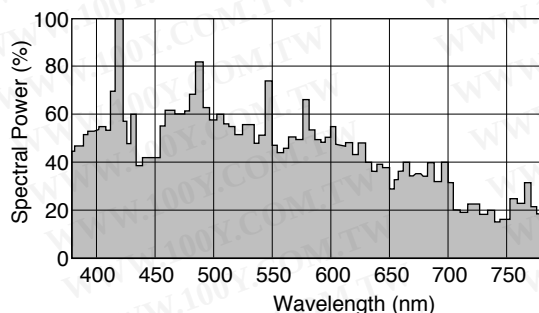
### FEATURES

1. Excellent colour rendition. Ra 96 (except for 70W)
2. Cool white colour (colour temperature 6500K)
3. Products a spectrum very similar to that of natural sunlight.
4. Compact tubular bulb and E27 bases.
5. Excellent power savings due to high efficacy
6. Universal burning position.
7. The outer blub is made of UV-cut coating glass.
8. Protective sleeve surrounding discharge tube allows operation in open fixtures for indoor use.

### APPLICATIONS

Recommended for use in special applications that require light very similar to that of natural sunlight such as aquarium illumination, painting shops, factories and greenhouses.

### Spectral distribution 6500K



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### CHARACTERISTICS 6500K Series

| Type         | Watts (W) | Base | Bulb | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Ra | Rated Av. Life (hrs) | Fig. No. |
|--------------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----|----------------------|----------|
|              |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |    |                      |          |
| Clear Type   |           |      |      |                |             |             |             |             |                             |    |                      |          |
| MT70D        | 70        | E27  | T35  | 12             | 140         | 89          | 90          | 1.0         | 5000                        | 92 | 9000                 | 1        |
| MT100D ※1    | 100       | E27  | T35  | 12             | 140         | 89          | 95          | 1.3         | 7000                        | 96 | 9000                 | 1        |
| MT150D       | 150       | E27  | T40  | 12             | 155         | 97          | 95          | 1.9         | 11000                       | 96 | 12000                | 2        |
| MT70D/G8.5   | 70        | G8.5 | T18  | 24             | 85          | 52          | 90          | 1.0         | 5000                        | 92 | 6000                 | 3        |
| MT70D/G12    | 70        | G12  | T18  | 24             | 105         | 56          | 90          | 1.0         | 5000                        | 92 | 6000                 | 4        |
| MT150D/G12   | 150       | G12  | T25  | 24             | 105         | 56          | 95          | 1.9         | 11000                       | 96 | 6000                 | 4        |
| Frosted Type |           |      |      |                |             |             |             |             |                             |    |                      |          |
| MT70FD       | 70        | E27  | T35  | 12             | 140         | —           | 90          | 1.0         | 4800                        | 92 | 9000                 | 1        |
| MT100FD ※1   | 100       | E27  | T35  | 12             | 140         | —           | 95          | 1.3         | 6500                        | 96 | 9000                 | 1        |
| MT150FD      | 150       | E27  | T40  | 12             | 155         | —           | 95          | 1.9         | 10500                       | 96 | 12000                | 2        |

※1 MT100D, MT100FD lamps require only EYE Electronic Ballast for the operation.

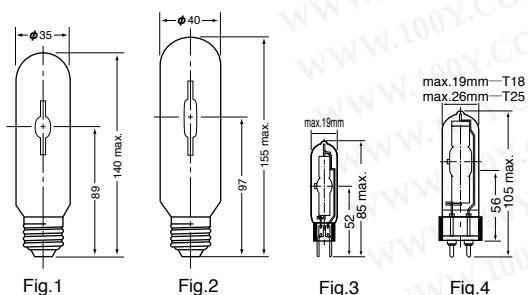
### BALLAST & IGNITOR

EYE Electronic Ballasts are available for the lamp operation with excellent performance.

or

EYE®Color Arc can be operated on a standard HPS ballast or a metal halide ballast\*, and ignitor for E27 base (70W, 150W) and E40 base (150W, 250W).

※For safe operation and best performance, please contact Iwasaki or any local ballast manufacturer or ignitor manufacturer.



# EYE Color Arc PAR™

(3500K, 4500K, and 6500K Series)

PAR 36



PAR 38



## FEATURES

### 1. Simple & Compact design

The arc tube lays in the PAR36 & PAR38 outer bulb and has a compact design.

### 2. Wide colour temperature range

Lamps with colour temperatures of 3500K, 4500K, and 6500K are available.

Also lamps with Mediterranean Blue & Enhanced Fresh Pink light colour are available. These lamps are suitable for a wide range of applications.

### 3. High luminous flux and high colour rendition

Compared to the dichroic mirror halogen lamps, these lamps have a higher luminous flux and the same high colour rendition.

### 4. Beam angle selection

Medium beam and wide beam distribution are available.

Excellent beam control offers a high luminous efficacy and related energy saving.

### 5. Ballast & ignitor

EYE COLOR ARC PAR™ lamps can be operated with the same ballast & ignitor of EYE Color Arc® lamps.

Also, Iwasaki's electronic ballast can be used with these lamps.

### 6. Safety

Open fixture use and UV-cut coating on the front glass.

Indoor use only

For outdoor use, specific fixtures are required.

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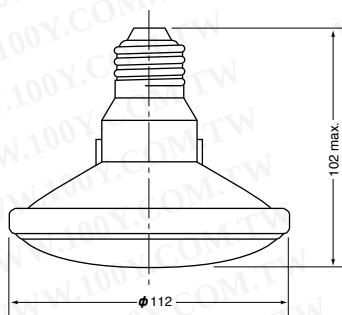


Fig.1

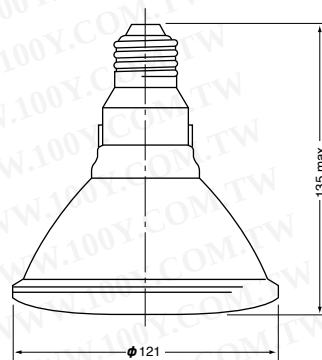


Fig.2



## Aluminum reflector type PAR 36/ E27 base

### CHARACTERISTICS

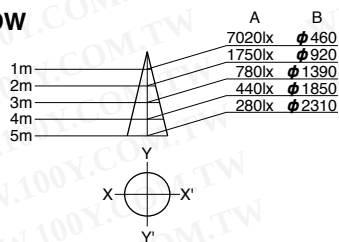
| Type        | Watts (W) | Initial lumens (lm) | Beam lumens (lm) | Beam angle (°) | Max. light intensity (cd) | Colour temperature (K) | Ra | Rated Av. Life (hrs) | M.O.L. (mm) | Fig. No. |
|-------------|-----------|---------------------|------------------|----------------|---------------------------|------------------------|----|----------------------|-------------|----------|
| M70P36SSDW  | 70        | 3000                | 720              | 26             | 7020                      | 3500                   | 96 | 6000                 | 102         | 1        |
| M70P36FSDW  | 70        | 2700                | 1000             | 65             | 1600                      | 3500                   | 96 | 6000                 | 102         | 1        |
| M150P36SSDW | 150       | 8100                | 1800             | 23×29          | 11700                     | 3500                   | 96 | 6000                 | 102         | 1        |
| M150P36FSDW | 150       | 7650                | 2700             | 62×67          | 4320                      | 3500                   | 96 | 6000                 | 102         | 1        |
| M70P36SSW   | 70        | 3300                | 800              | 26             | 7800                      | 4500                   | 96 | 6000                 | 102         | 1        |
| M70P36FSW   | 70        | 3000                | 1100             | 65             | 2000                      | 4500                   | 96 | 6000                 | 102         | 1        |
| M150P36SSW  | 150       | 9000                | 2000             | 23×29          | 13000                     | 4500                   | 96 | 6000                 | 102         | 1        |
| M150P36FSW  | 150       | 8500                | 3000             | 62×67          | 4800                      | 4500                   | 96 | 6000                 | 102         | 1        |
| M70P36SD    | 70        | 3300                | 800              | 26             | 7800                      | 6500                   | 92 | 6000                 | 102         | 1        |
| M70P36FD    | 70        | 3000                | 1100             | 65             | 2000                      | 6500                   | 92 | 6000                 | 102         | 1        |
| M150P36SD   | 150       | 9000                | 2000             | 23×29          | 13000                     | 6500                   | 96 | 6000                 | 102         | 1        |
| M150P36FD   | 150       | 8500                | 3000             | 62×67          | 4800                      | 6500                   | 96 | 6000                 | 102         | 1        |

### CONICAL DIAGRAM OF ILLUMINANCE

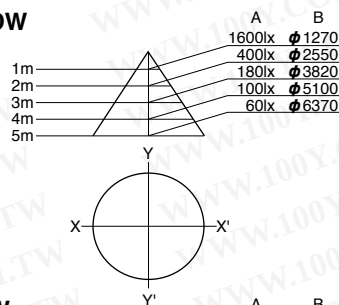
A: Illuminance level directly under the lamp (lx)

B: The distance to the point of 1/2 illuminance level of A (mm)

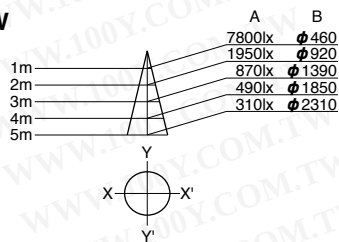
M70P36SSDW



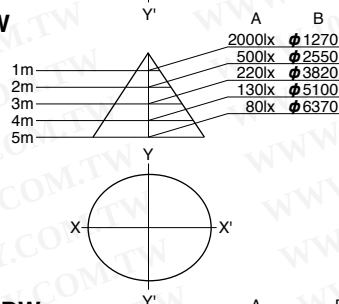
M70P36FSDW



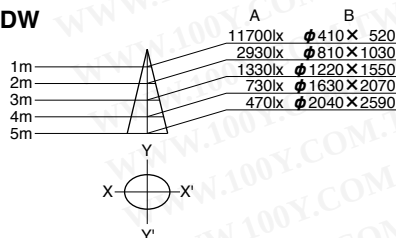
M70P36SSW  
M70P36SD



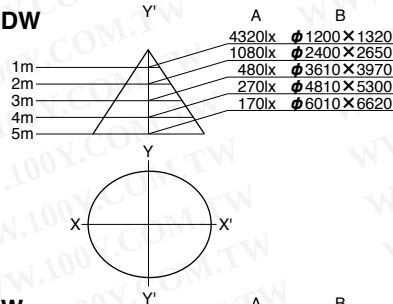
M70P36FSW  
M70P36FD



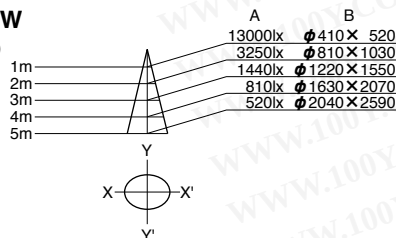
M150P36SSDW



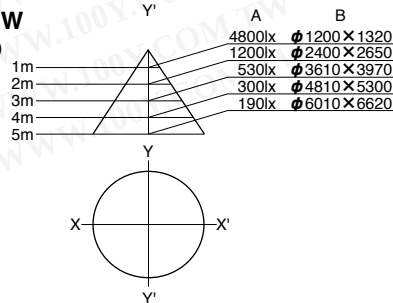
M150P36FSDW



M150P36SSW  
M150P36SD



M150P36FSW  
M150P36FD



## Dichroic reflector type PAR 38/E27 base

### CHARACTERISTICS

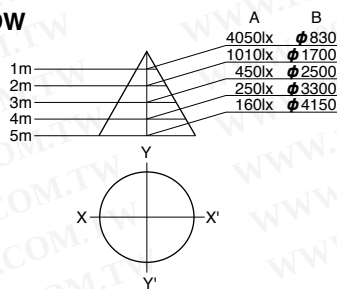
| Type        | Watts (W) | Initial lumens (lm) | Beam lumens (lm) | Beam angle(°) | Max. light intensity (cd) | Colour temperature (K) | Ra | Rated Av. Life (hrs) | M.O.L. (mm) | Fig. No. |
|-------------|-----------|---------------------|------------------|---------------|---------------------------|------------------------|----|----------------------|-------------|----------|
| M70P38FSDW  | 70        | 2610                | 1350             | 45            | 4050                      | 3500                   | 96 | 6000                 | 135         | 2        |
| M150P38FSDW | 150       | 5400                | 2700             | 60            | 4500                      | 3500                   | 96 | 6000                 | 135         | 2        |
| M70P38FSW   | 70        | 2900                | 1500             | 45            | 4500                      | 4500                   | 96 | 6000                 | 135         | 2        |
| M150P38FSW  | 150       | 6000                | 3000             | 60            | 5000                      | 4500                   | 96 | 6000                 | 135         | 2        |
| M70P38FD    | 70        | 2900                | 1500             | 45            | 4500                      | 6500                   | 92 | 6000                 | 135         | 2        |
| M150P38FD   | 150       | 6000                | 3000             | 60            | 5000                      | 6500                   | 96 | 6000                 | 135         | 2        |

### CONICAL DIAGRAM OF ILLUMINANCE

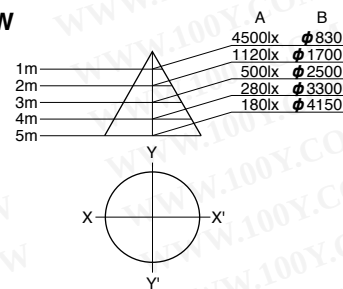
A: Illuminance level directly under the lamp (lx)

B: The distance to the point of 1/2 illuminance level of A (mm)

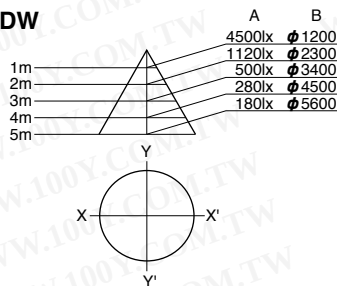
M70P38FSDW



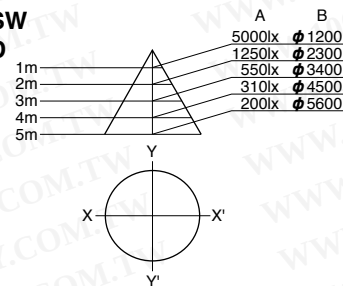
M70P38FSW  
M70P38FD



M150P38FSDW



M150P38FSW  
M150P38FD



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## Dichroic reflector type PAR 36/E27 base

### CHARACTERISTICS

| Type                        | Watts (W) | Initial lumens (lm) | Beam lumens (lm) | Beam angle(°) | Max. light intensity (cd) | Colour temperature (K) | Ra | Rated Av. Life (hrs) | M.O.L. (mm) | Fig. No. |
|-----------------------------|-----------|---------------------|------------------|---------------|---------------------------|------------------------|----|----------------------|-------------|----------|
| <b>Mediterranean blue</b> ※ |           |                     |                  |               |                           |                        |    |                      |             |          |
| M70P36S-B                   | 70        | 4100                | 300              | 25            | 3000                      | ≒21000                 | 85 | 6000                 | 102         | 1        |
| M70P36F-B                   | 70        | 4000                | 750              | 77            | 800                       | ≒21000                 | 85 | 6000                 | 102         | 1        |
| M150P36S-B                  | 150       | 9500                | 1100             | 28×34         | 7000                      | ≒21000                 | 85 | 6000                 | 102         | 1        |
| M150P36F-B                  | 150       | 9400                | 2700             | 72×77         | 2800                      | ≒21000                 | 85 | 6000                 | 102         | 1        |

### Enhanced fresh pink

|            |     |      |      |       |      |       |    |      |     |   |
|------------|-----|------|------|-------|------|-------|----|------|-----|---|
| M70P36S-P  | 70  | 3400 | 400  | 25    | 4800 | ≒2500 | 85 | 6000 | 102 | 1 |
| M70P36F-P  | 70  | 3000 | 650  | 70    | 840  | ≒2500 | 85 | 6000 | 102 | 1 |
| M150P36S-P | 150 | 8200 | 1400 | 28×34 | 9000 | ≒2500 | 85 | 6000 | 102 | 1 |
| M150P36F-P | 150 | 7800 | 2400 | 67×72 | 3100 | ≒2500 | 85 | 6000 | 102 | 1 |

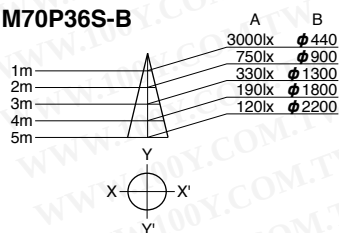
※ The photometric values are not colour corrected.

### CONICAL DIAGRAM OF ILLUMINANCE

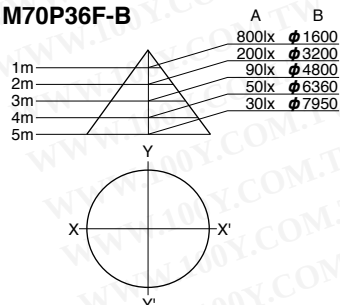
A: Illuminance level directly under the lamp (lx)

B: The distance to the point of 1/2 illuminance level of A (mm)

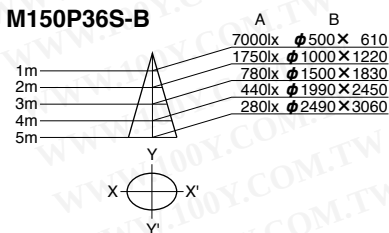
M70P36S-B



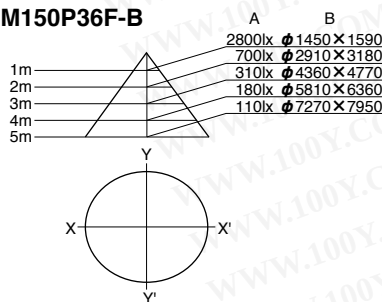
M70P36F-B



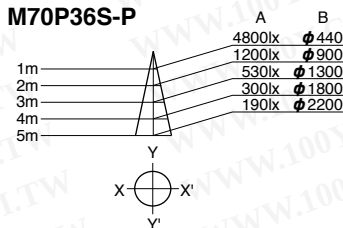
M150P36S-B



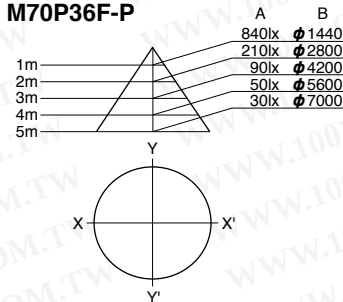
M150P36F-B



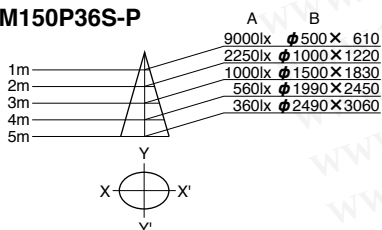
M70P36S-P



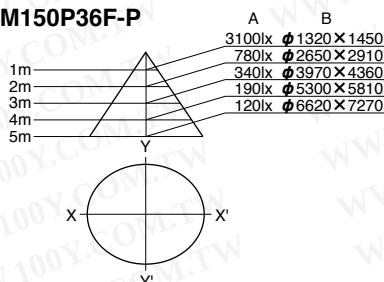
M70P36F-P



M150P36S-P



M150P36F-P



# EYE Color Arc Renaissance™ and colour lamps

## (Double ended Series)



EYE Color Arc Renaissance lamps operate on IEC61167 ballast and ignitor

### FEATURES

1. Excellent colour rendition. Ra 96
2. Available in 3500K, 4500K and 6500K colour temperatures.
3. UV-cut coating
4. Colour lamps are available.

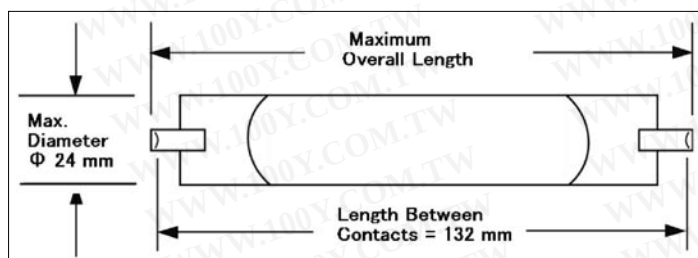
### Applications:

- Architectural - Office - Landscape - Retail
- Critical commercial and industrial colour applications

### CHARACTERISTICS

| Type        | Watts (W) | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Ra, Colour  | Rated Av. Life (hrs) |
|-------------|-----------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|-------------|----------------------|
|             |           |      |                |             |             | Voltage (V) | Current (A) |                             |             |                      |
| MTD70SDW    | 70        | Rx7s | 24             | 118.2       | 58.8        | 90          | 1.0         | 4500                        | 96<br>3500K | 6000                 |
| MTD70SW     | 70        | Rx7s | 24             | 118.2       | 58.8        | 90          | 1.0         | 5000                        | 96<br>4500K | 6000                 |
| MTD70D      | 70        | Rx7s | 24             | 118.2       | 58.8        | 90          | 1.3         | 5000                        | 92<br>6500K | 6000                 |
| MTD150SDW   | 150       | Rx7s | 24             | 136         | 68          | 95          | 1.9         | 10000                       | 96<br>3500K | 12000                |
| MTD150SW    | 150       | Rx7s | 24             | 136         | 68          | 95          | 1.9         | 11000                       | 96<br>4500K | 12000                |
| MTD150D     | 150       | Rx7s | 24             | 136         | 68          | 95          | 1.9         | 11000                       | 96<br>6500K | 12000                |
| MTD150/V    | 150       | Rx7s | 24             | 136         | 68          | 95          | 1.9         | 4000*                       | Blue        | 6000                 |
| MTD150G     | 150       | Rx7s | 24             | 136         | 68          | 95          | 1.9         | 12000*                      | Green       | 6000                 |
| MTD150R     | 150       | Rx7s | 24             | 136         | 68          | 95          | 1.9         | 5000*                       | Magenta     | -                    |
| MTD150AQUA  | 150       | Rx7s | 24             | 136         | 68          | 95          | 1.9         | 6000*                       | 5000K*      | 6000                 |
| MTD150AQUA2 | 150       | Rx7s | 24             | 136         | 68          | 95          | 1.9         | 8000*                       | 2000K*      | 6000                 |

\*Reference value



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<http://www.100y.com.tw>

# EYE Color Arc colour

## (Single ended Series)

### CHARACTERISTICS

| Type       | Watts (W) | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Ra, Colour | Rated Av. Life (hrs) |
|------------|-----------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|------------|----------------------|
|            |           |      |                |             |             | Voltage (V) | Current (A) |                             |            |                      |
| MT150/V    | 150       | E27  | 12             | 155         | 97          | 95          | 1.9         | 4000*                       | Blue       | 6000                 |
| MT150G     | 150       | E27  | 12             | 155         | 97          | 95          | 1.9         | 12000*                      | Green      | 6000                 |
| MT150R     | 150       | E27  | 12             | 155         | 97          | 95          | 1.9         | 5000*                       | Magenta    | -                    |
| MT150AQUA  | 150       | E27  | 12             | 155         | 97          | 95          | 1.9         | 6000*                       | 5000K*     | 6000                 |
| MT150AQUA2 | 150       | E27  | 12             | 155         | 97          | 95          | 1.9         | 8000*                       | 2000K*     | 6000                 |

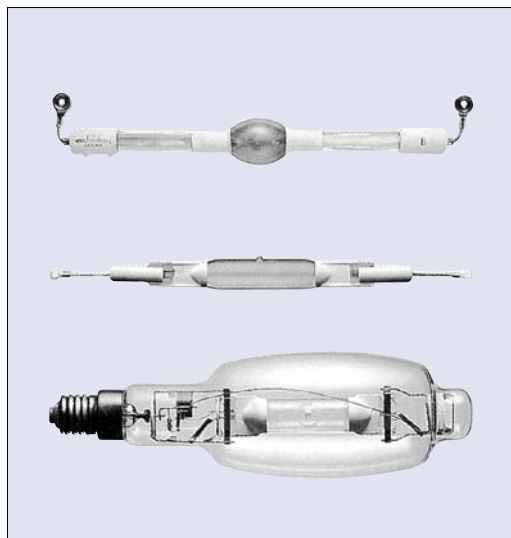
Note : The ballast and ignitor is the same as EYE Color Arc lamps.  
Refer to the Fig. 2 page 17

\*Reference value



# EYE Quartz Arc™

(For use with Metal Halide Lamp Ballast and ignitor.)

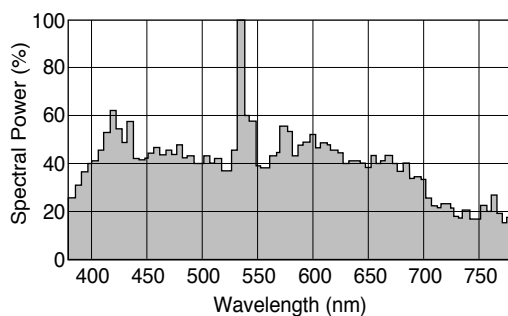


The EYE Quartz Arc™ lamp is a high wattage metal halide lamp which has high colour rendition and natural white or daylight.

## FEATURES

1. Double ended short arc type and tubular single base type are available.
2. Excellent colour rendition (Ra 92) and high colour temperature produces superb colour reproduction which enhances its suitability for colour television and future HDTV. (Ra 85 for MLD2000BED-I)
3. Colour temperature : Tc=5500K
4. Compact and high power lamp makes use with a compact fixture possible. (double ended type)
5. Precise beam control is possible and stray light is reduced. (double ended type)
6. Best for medium and large size stadia or entertainment complexes where colour television broadcasting is to take place.

## Spectral distribution



## OPERATING INSTRUCTIONS

1. MLD2000BED-I : 380V or 400V or 415V, 10.3A type metal halide 2000W reactor ballast & ignitor is required.
2. MSD2000BED-I : 415V, 10.3A type metal halide 2000W reactor ballast & ignitor is required.
3. MT1500B-D/BH, M1500B-D/BH : ANSI M48 ballast (CW, CWA) is required.
4. MT1500A-D/BH : Specified ballast & ignitor is required.
5. MT1000B-D/BH, M1000B-D/BH : ANSI M47 ballast (CW, CWA) is required.

## CHARACTERISTICS Clear Type

| Type              | Watts (W) | Bulb  | Std. Pkg Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Initial lumens (lm) | Burning position | Rated Av. Life (hrs) | Fig. No. |
|-------------------|-----------|-------|---------------|-------------|-------------|-------------|-------------|---------------------|------------------|----------------------|----------|
|                   |           |       |               |             |             | Voltage (V) | Current (A) |                     |                  |                      |          |
| MT1000B-D/BH      | 1000      | T120  | 6             | 395         | 245         | 255         | 4.2         | 80000               | BH±60°           | 6000                 | 1        |
| M1000B-D/BH       | 1000      | BT180 | 6             | 395         | 245         | 255         | 4.2         | 80000               | BH±60°           | 6000                 | 2        |
| MT1500A-D/BH 240V | 1500      | T120  | 6             | 395         | 245         | 120         | 14.0        | 125000              | BH+15°-75°       | 6000                 | 1        |
| MT1500B-D/BH      | 1500      | T120  | 6             | 395         | 245         | 265         | 6.3         | 130000*             | BH±60°           | 6000                 | 1        |
| M1500B-D/BH       | 1500      | BT180 | 6             | 395         | 245         | 265         | 6.3         | 130000*             | BH±60°           | 6000                 | 2        |
| MSD2000BED-I 415V | 2000      | —     | 12            | 309         | 155         | 205         | 11.3        | 200000              | BH±15°           | 3000                 | 3        |
| MLD2000BED-I      | 2000      | —     | 12            | 282         | 140         | 230         | 9.2         | 200000              | BH±15°           | 3000                 | 4        |

\*Max. value

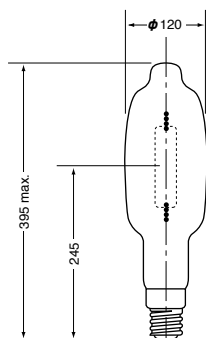


Fig. 1

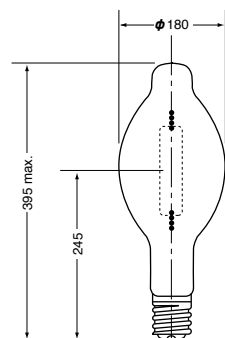


Fig. 2

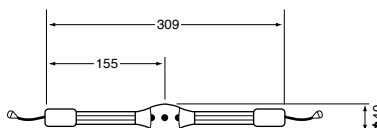


Fig. 3

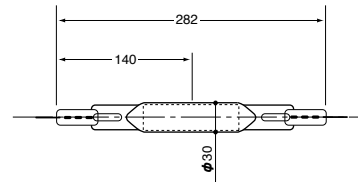


Fig. 4

# EYE Multi Super Ace™

(For use with Mercury Lamp Ballast only.)



## IAT

### FEC

- World's first switching capacitor that can resist the high temperature present in the lamp's outer jacket.

The EYE Multi Super Ace lamp is a metal halide lamp with an internal FEC ignitor.

IAT Iwasaki Advanced Technology

## FEATURES

### 1. Reliability

Built-in FEC ignitor

Controlled pulse voltage, width and phase therefore the lamp will start immediately after switching on.

### 2. Economy

High efficacy, 100 lm/w, 1.6 times greater than mercury vapour lamps. (for a 400W lamp)

Produces well balanced white light.

LS TYPE

LSH TYPE

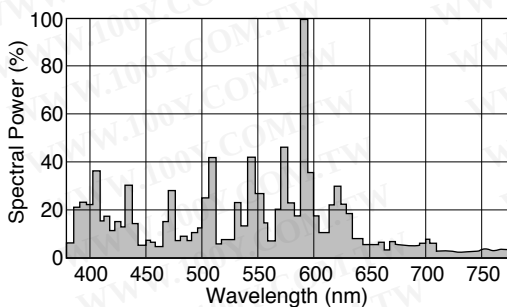
Ra 70, Tc=3800K Ra 75, Tc=4200K (Phosphor coated lamp)

Ra 65, Tc=4200K Ra 70, Tc=4500K (Clear lamp)

### 3. Safety

Reduced ignitor pulsing at end of lamp life.

## Spectral distribution



## OPERATING INSTRUCTIONS

EYE Multi Super Ace lamps operate on standard high-pressure mercury reactor ballasts ( IEC Pub. 60188 ).

### EYE Multi Super Ace™ and mercury lamp ballast combination. (Max. wiring distance from the ballast)

| Type       | Mercury lamp ballast (Reactor) | Allowable external capacitance ※ |
|------------|--------------------------------|----------------------------------|
| MF125LSH/U | 125W                           | 1500pF                           |
| MF250LSH/U | 250W                           | 2500pF                           |
| MF400LSH/U | 400W                           | 5000pF                           |
| MF700LS/U  | 700W                           | 5000pF                           |
| MF1000LS/U | 1000W                          | 5000pF                           |

※100pF stray capacitance is equivalent to about 1 meter length of twin cable.

## CHARACTERISTICS

| Type         | Watts (W) | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | Lamp        |             | Initial Lumens (ℓ m) | Rated Av. Life (hrs) | Fig. No. |
|--------------|-----------|-------|------|----------------|-------------|-------------|-------------|----------------------|----------------------|----------|
|              |           |       |      |                |             | Voltage (V) | Current (A) |                      |                      |          |
| Coated Type  |           |       |      |                |             |             |             |                      |                      |          |
| MF125LSH/BU  | 125       | BT70  | E27  | 24             | 178         | 125         | 1.15        | 9400                 | 9000                 | 1        |
| MF250LSH/U   | 250       | BT90  | E40  | 12             | 226         | 130         | 2.13        | 20000                | 15000                | 2        |
| MF400LSH/U   | 400       | BT116 | E40  | 12             | 292         | 135         | 3.25        | 38000                | 15000                | 3        |
| MF700LS/U    | 700       | BT150 | E40  | 6              | 357         | —           | —           | —                    | —                    | 4        |
| MF1000LS/U   | 1000      | E165  | E40  | 6              | 395         | 145         | 7.50        | 87000                | 9000                 | 5        |
| Clear Type   |           |       |      |                |             |             |             |                      |                      |          |
| M125LSH/BU   | 125       | BT70  | E27  | 24             | 178         | 125         | 1.15        | 10000                | 9000                 | 1        |
| M250LSH/U    | 250       | BT90  | E40  | 12             | 226         | 130         | 2.13        | 21500                | 15000                | 2        |
| M400LSH/U    | 400       | BT116 | E40  | 12             | 292         | 135         | 3.25        | 40000                | 15000                | 3        |
| Tubular Type |           |       |      |                |             |             |             |                      |                      |          |
| MT250LSH/BH  | 250       | T48   | E40  | 12             | 245         | 130         | 2.13        | 19400                | 15000                | —        |
| MT400LSH/BH  | 400       | T55   | E40  | 12             | 292         | 135         | 3.25        | 39000                | 15000                | —        |

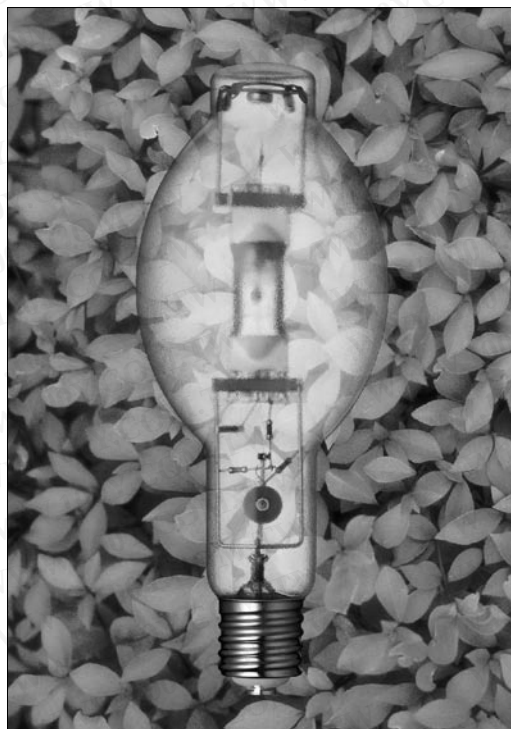
NOTE: For use in enclosed fixtures only.  
Figure is shown on next page.



# EYE Multi Super Ace™

(For use with Mercury Lamp Ballast only.)

## TEFLON COATED MULTI SUPER ACE



EYE Multi Super Ace is a metal halide lamp which creates fresh white light from the emission of five elements, each of differing wavelengths. It achieves high colour rendering (Ra), long life and flicker-less.

### Superior Characteristics of EYE Multi Super Ace™

1. By adding three extra elements to the current elements, a five band multi-wavelength white light is generated.
2. Improved colour rendering index (Ra) 75.
3. Higher than normal colour temperature provides brighter and whiter appearance in the lit environment.
4. Superior new flicker-less performance over standard EYE Multi-Hi-Ace.
5. Rated Average Life of 15,000hrs (250W & 400W).
6. Total lumens increased by up to 15% over conventional types.
7. Run up time is reduced by up to half of conventional types (100W).

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| Type         | Watts (W) | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | Lamp        |             | Initial Lumens (ℓ m) | Rated Av. Life (hrs) | Fig. No. |
|--------------|-----------|-------|------|----------------|-------------|-------------|-------------|----------------------|----------------------|----------|
|              |           |       |      |                |             | Voltage (V) | Current (A) |                      |                      |          |
| Coated Type  |           |       |      |                |             |             |             |                      |                      |          |
| MF100LSH/BUP | 100       | BT70  | E27  | 24             | 178         | 115         | 1.00        | 7500                 | 9000                 | 1        |
| MF125LSH/BUP | 125       | BT70  | E27  | 24             | 178         | 125         | 1.15        | 9400                 | 9000                 | 1        |
| MF250LSH/BUP | 250       | BT90  | E40  | 12             | 250         | 130         | 2.13        | 20000                | 15000                | 2        |
| MF400LSH/BUP | 400       | BT116 | E40  | 12             | 292         | 135         | 3.25        | 38000                | 15000                | 3        |
| Clear Type   |           |       |      |                |             |             |             |                      |                      |          |
| M100LSH/BUP  | 100       | BT70  | E27  | 24             | 178         | 115         | 1.00        | 8000                 | 9000                 | 1        |
| M125LSH/BUP  | 125       | BT70  | E27  | 24             | 178         | 125         | 1.15        | 10000                | 9000                 | 1        |
| M250LSH/BUP  | 250       | BT90  | E40  | 12             | 250         | 130         | 2.13        | 21500                | 15000                | 2        |
| M400LSH/BUP  | 400       | BT116 | E40  | 12             | 292         | 135         | 3.25        | 40000                | 15000                | 3        |

NOTE: Burning position of Teflon coated type is base up only.

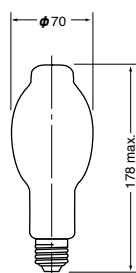


Fig.1

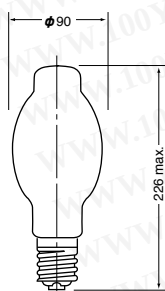


Fig.2

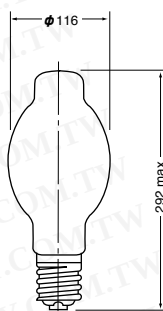


Fig.3

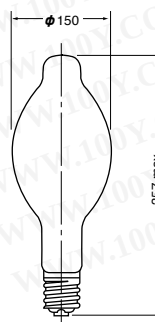


Fig.4

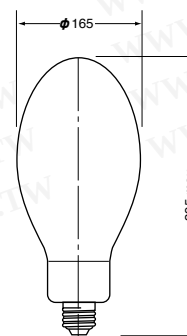
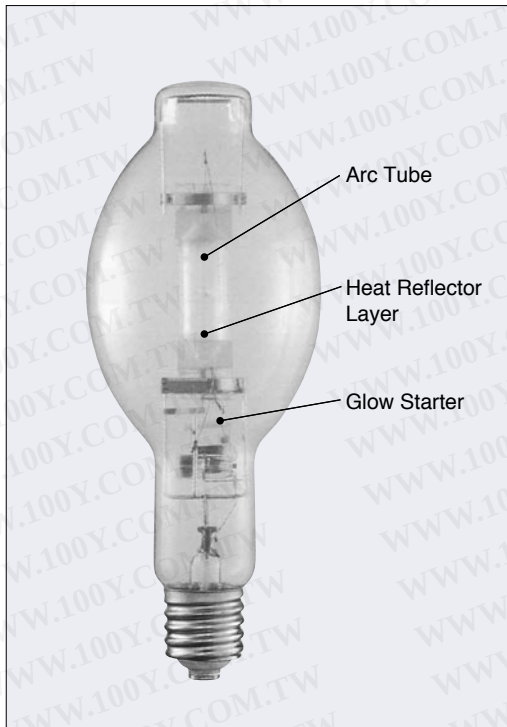


Fig.5

# EYE Multi-Hi-Ace

(For use with Mercury Lamp Ballast only.)



The EYE Multi-Hi-Ace lamp is a metal halide lamp with an internal ignitor.

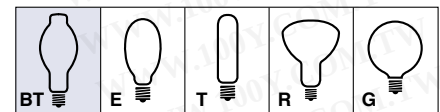
## FEATURES

1. The lamp exterior bulb features a built-in starter with a glow switch and ceramic heater combined.
2. Features the same light colour and beam characteristics as the Multi-Metal Lamp, which does not feature a starter.

## OPERATING INSTRUCTIONS

EYE Multi-Hi-Ace lamps operate on standard high-pressure mercury reactor ballasts ( IEC Pub. 60188 ).

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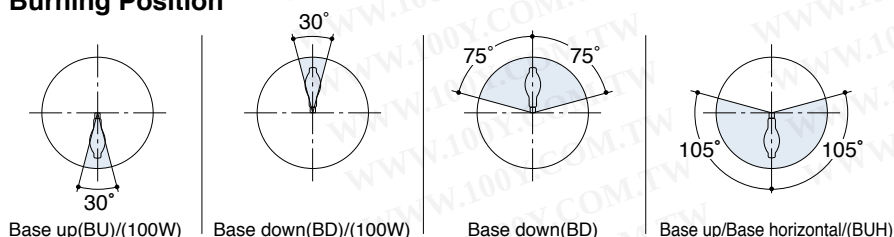
## PHYSICAL DATA AND CHARACTERISTICS

### BT Bulb Series (Phosphor Coated Type)

| Type         | Watts (W) | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|--------------|-----------|-------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|              |           |       |      |                |             |             | Voltage (V) | Current (A) |                             |                      |
| MF100LE/BU   | 100       | BT70  | E27  | 24             | 178         | —           | 115         | 1.00        | 6500                        | 9000                 |
| MF100LE/BD   | 100       | BT70  | E27  | 24             | 178         | —           | 115         | 1.00        | 6500                        | 9000                 |
| MF125LE/BUH  | 125       | BT70  | E27  | 24             | 178         | —           | 125         | 1.15        | 8500                        | 9000                 |
| MF125LE/BD   | 125       | BT70  | E27  | 24             | 178         | —           | 125         | 1.15        | 8500                        | 9000                 |
| MF250LE/BUH  | 250       | BT100 | E40  | 12             | 250         | —           | 130         | 2.13        | 20000                       | 15000                |
| MF250LE/BD   | 250       | BT100 | E40  | 12             | 250         | —           | 130         | 2.13        | 20000                       | 15000                |
| MF300LE/BUH  | 300       | BT116 | E40  | 12             | 292         | —           | 130         | 2.50        | 25500                       | 15000                |
| MF300LE/BD   | 300       | BT116 | E40  | 12             | 292         | —           | 130         | 2.50        | 25500                       | 15000                |
| MF400LE/BUH  | 400       | BT116 | E40  | 12             | 292         | —           | 135         | 3.25        | 38000                       | 15000                |
| MF400LE/BD   | 400       | BT116 | E40  | 12             | 292         | —           | 135         | 3.25        | 38000                       | 15000                |
| MF700LE/BUH  | 700       | BT150 | E40  | 6              | 375         | —           | 140         | 5.40        | 58000                       | 9000                 |
| MF700LE/BD   | 700       | BT150 | E40  | 6              | 375         | —           | 140         | 5.40        | 58000                       | 9000                 |
| MF1000LE/BUH | 1000      | BT180 | E40  | 6              | 395         | —           | 145         | 7.50        | 87000                       | 9000                 |
| MF1000LE/BD  | 1000      | BT180 | E40  | 6              | 395         | —           | 145         | 7.50        | 87000                       | 9000                 |

NOTE: Clear type is shown on next page.  
For use in enclosed fixtures only.

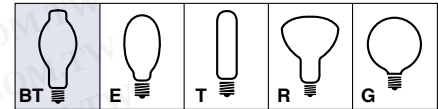
### Burning Position





# EYE Multi-Hi-Ace

(For use with Mercury Lamp Ballast only.)



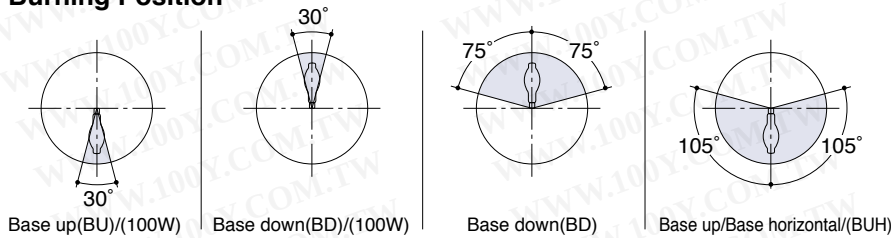
## PHYSICAL DATA AND CHARACTERISTICS

### BT Bulb Series (Clear Type)

| Type        | Watts (W) | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|-------------|-----------|-------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|             |           |       |      |                |             |             | Voltage (V) | Current (A) |                             |                      |
| M100LE/BU   | 100       | BT70  | E27  | 24             | 178         | 115         | 115         | 1.00        | 7000                        | 9000                 |
| M100LE/BD   | 100       | BT70  | E27  | 24             | 178         | 115         | 115         | 1.00        | 7000                        | 9000                 |
| M125LE/BUH  | 125       | BT70  | E27  | 24             | 178         | 115         | 125         | 1.15        | 9000                        | 9000                 |
| M125LE/BD   | 125       | BT70  | E27  | 24             | 178         | 115         | 125         | 1.15        | 9000                        | 9000                 |
| M250LE/BUH  | 250       | BT100 | E40  | 12             | 250         | 160         | 130         | 2.13        | 21500                       | 15000                |
| M250LE/BD   | 250       | BT100 | E40  | 12             | 250         | 160         | 130         | 2.13        | 21500                       | 15000                |
| M300LE/BUH  | 300       | BT116 | E40  | 12             | 292         | 185         | 130         | 2.50        | 27000                       | 15000                |
| M300LE/BD   | 300       | BT116 | E40  | 12             | 292         | 185         | 130         | 2.50        | 27000                       | 15000                |
| M400LE/BUH  | 400       | BT116 | E40  | 12             | 292         | 185         | 135         | 3.25        | 40000                       | 15000                |
| M400LE/BD   | 400       | BT116 | E40  | 12             | 292         | 185         | 135         | 3.25        | 40000                       | 15000                |
| M700LE/BUH  | 700       | BT150 | E40  | 6              | 375         | 240         | 140         | 5.40        | 60000                       | 9000                 |
| M700LE/BD   | 700       | BT150 | E40  | 6              | 375         | 240         | 140         | 5.40        | 60000                       | 9000                 |
| M1000LE/BUH | 1000      | BT180 | E40  | 6              | 395         | 245         | 145         | 7.50        | 90000                       | 9000                 |
| M1000LE/BD  | 1000      | BT180 | E40  | 6              | 395         | 245         | 145         | 7.50        | 90000                       | 9000                 |

NOTE: For use in enclosed fixtures only.

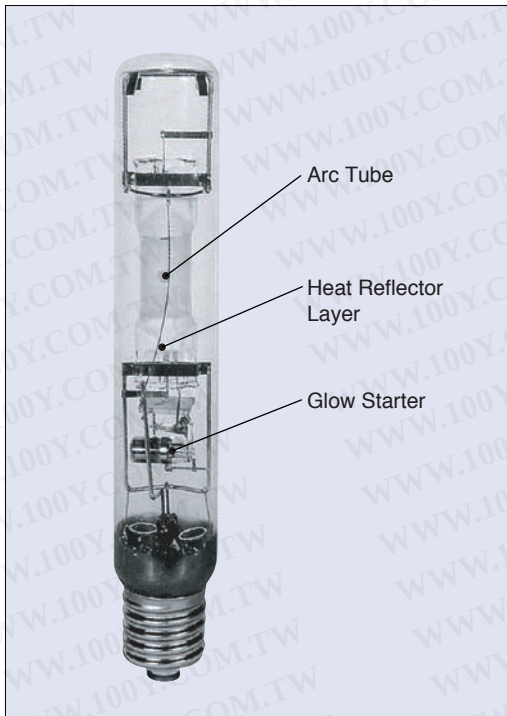
### Burning Position



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# EYE Clean-Ace

(For use with Mercury Lamp Ballast only.)



With its excellent colour rendering properties, this metal halide lamp features a light colour which is closer to natural daylight than that of any other H.I.D. lamps. This lamp is popular for commercial aquatic installations.

## FEATURES

1. Excellent colour rendition virtually equivalent to daylight.
2. Operation with inexpensive mercury lamp ballast.
3. Remarkable power savings due to high efficiency and improved life expectancy.
3. Brightness approximately 1.5 times that of mercury lamp of equal wattage (400W).

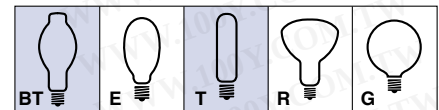
|                          |       |
|--------------------------|-------|
| Colour temperature       | 6500K |
| Average colour rendition | Ra.90 |

### REMARKS

1. The operation of EYE Clean-Ace lamps is limited to the reactor and/or auto-transformer ballast for mercury vapour lamp.
2. Variation of the line volts should be kept within  $\pm 6\%$  of the rated voltage of the ballast.

## OPERATING INSTRUCTIONS

EYE Clean-Ace lamps operate on standard high-pressure mercury reactor ballasts ( IEC Pub. 60188 ).  
For use in enclosed fixtures only.



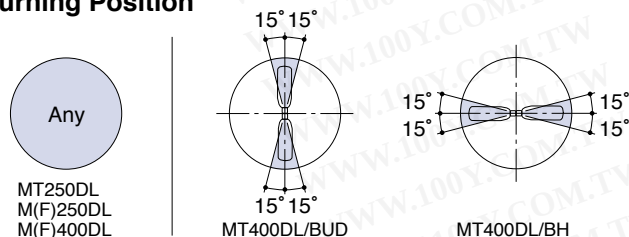
## PHYSICAL DATA AND CHARACTERISTICS

| Type               | Watts (W) | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (ℓm) <sup>(1)</sup> | Rated Av. Life (hrs) <sup>(2)</sup> |
|--------------------|-----------|-------|------|----------------|-------------|-------------|-------------|-------------|--------------------------------------------|-------------------------------------|
|                    |           |       |      |                |             |             | Voltage (V) | Current (A) |                                            |                                     |
| Tubular Clear Type |           |       |      |                |             |             |             |             |                                            |                                     |
| MT250DL            | 250       | T48   | E40  | 12             | 250         | 160         | 130         | 2.13        | 18200                                      | 10000                               |
| MT400/DL/BH        | 400       | T55   | E40  | 12             | 292         | 185         | 135         | 3.25        | 29000                                      | 12000                               |
| MT400/DL/BUD       | 400       | T48   | E40  | 12             | 295         | 185         | 135         | 3.25        | 32000                                      | 12000                               |
| Coated Type        |           |       |      |                |             |             |             |             |                                            |                                     |
| MF250DL            | 250       | BT100 | E40  | 12             | 250         | —           | 130         | 2.13        | 14500                                      | 10000                               |
| MF400DL            | 400       | BT116 | E40  | 12             | 292         | —           | 135         | 3.25        | 24500                                      | 12000                               |
| Clear Type         |           |       |      |                |             |             |             |             |                                            |                                     |
| M250DL             | 250       | BT100 | E40  | 12             | 250         | 160         | 130         | 2.13        | 15500                                      | 10000                               |
| M400DL             | 400       | BT116 | E40  | 12             | 292         | 185         | 135         | 3.25        | 26500                                      | 12000                               |

### NOTE:

- ☑ This lumen rating is at vertical burning position expect for BH type.
- ☑ Lumens at horizontal position are 14,500lm for M250DL, 13,500lm for MF250DL, 14,800lm for MT250DL, 25,000lm for M400DL and 23,000lm for MF400DL.
- ☑ This life is at vertical burning position. (except for MT400/DL/BH, UBD) Life at horizontal burning position is 6000hrs. for M (MF) 250DL and M (MF) 400DL.
- For use in enclosed fixtures only.
- Values in lamp voltage and lamp current stated in the above table will vary somewhat according to the supply voltage.

### Burning Position

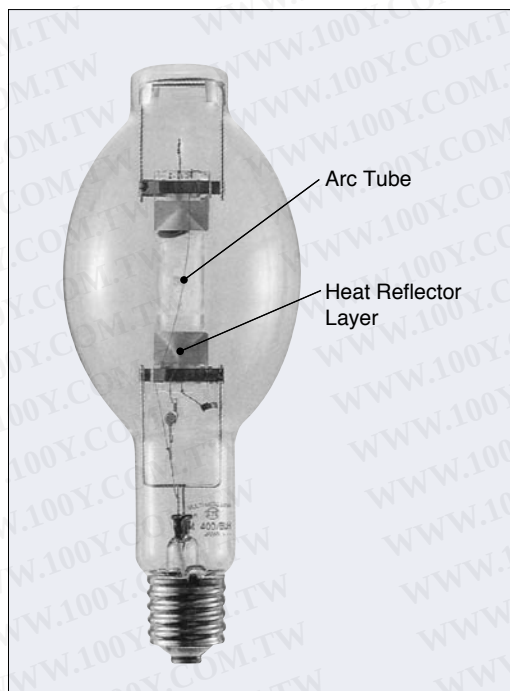


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# EYE Multi-Metal

(For use with appropriate Ballast and ignitor.)



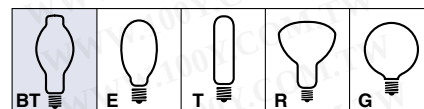
EYE Multi-Metal lamp provides even white light illumination

## FEATURES

1. Produces sharp white light featuring continuous spectra across the visible region.
2. Provides high efficiency and is 1.8 times brighter than mercury vapour lamp of equal wattage (at 400W).

## OPERATING INSTRUCTIONS

EYE Multi-Metal lamps operate on standard high-pressure mercury ballasts with metal halide external ignitors ( up to 1000W ). 1500W, 2000W lamps require metal halide lamp ballasts and external ignitors.



## PHYSICAL DATA AND CHARACTERISTICS

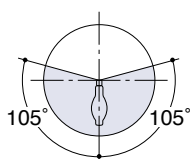
### BT Bulb Series (Phosphor Coated Type)

| Type        | Watts (W) | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|-------------|-----------|-------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|             |           |       |      |                |             |             | Voltage (V) | Current (A) |                             |                      |
| MF250/BUH   | 250       | BT100 | E40  | 12             | 245         | —           | 130         | 2.13        | 20000                       | 15000                |
| MF250/BD    | 250       | BT100 | E40  | 12             | 245         | —           | 130         | 2.13        | 20000                       | 15000                |
| MF400/BUH   | 400       | BT116 | E40  | 12             | 290         | —           | 135         | 3.25        | 38000                       | 15000                |
| MF400/BD    | 400       | BT116 | E40  | 12             | 290         | —           | 135         | 3.25        | 38000                       | 15000                |
| MF700/BUH   | 700       | BT150 | E40  | 6              | 370         | —           | 140         | 5.40        | 58000                       | 9000                 |
| MF700/BD    | 700       | BT150 | E40  | 6              | 370         | —           | 140         | 5.40        | 58000                       | 9000                 |
| MF1000A/BUH | 1000      | BT180 | E40  | 6              | 395         | —           | 145         | 7.50        | 87000                       | 9000                 |
| MF1000A/BD  | 1000      | BT180 | E40  | 6              | 395         | —           | 145         | 7.50        | 87000                       | 9000                 |
| MF1000B/BUH | 1000      | BT180 | E40  | 6              | 395         | —           | 250         | 4.50        | 112000                      | 9000                 |
| MF1000B/BD  | 1000      | BT180 | E40  | 6              | 395         | —           | 250         | 4.50        | 112000                      | 9000                 |
| MF1500B/BUH | 1500      | BT180 | E40  | 6              | 395         | —           | 250         | 6.40        | 140000                      | 3000                 |
| MF1500B/BD  | 1500      | BT180 | E40  | 6              | 395         | —           | 250         | 6.40        | 140000                      | 3000                 |
| MF2000B/BUH | 2000      | BT200 | E40  | 1              | 490         | —           | 230         | 9.20        | 180000                      | 9000                 |
| MF2000B/BD  | 2000      | BT200 | E40  | 1              | 490         | —           | 230         | 9.20        | 180000                      | 9000                 |

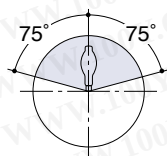
#### NOTE:

1. For use in enclosed fixtures only.
2. Values in lamp voltage and lamp current stated in the above table will vary somewhat according to the supply voltage.

### Burning Position

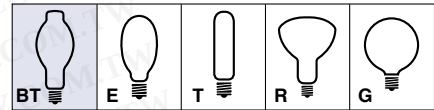


Base up/Base horizontal (BUH)



Base down (BD)

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## PHYSICAL DATA AND CHARACTERISTICS

### BT Bulb Series (Clear Type)

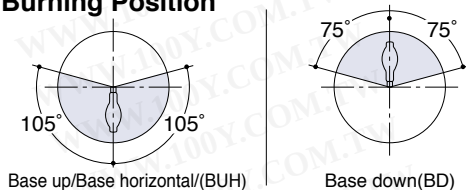
| Type       | Watts (W) | Bulb  | Base | Std. Pkg Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|------------|-----------|-------|------|---------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|            |           |       |      |               |             |             | Voltage (V) | Current (A) |                             |                      |
| M250/BUH   | 250       | BT100 | E40  | 12            | 245         | 160         | 130         | 2.13        | 21500                       | 15000                |
| M250/BD    | 250       | BT100 | E40  | 12            | 245         | 160         | 130         | 2.13        | 21500                       | 15000                |
| M400/BUH   | 400       | BT116 | E40  | 12            | 290         | 185         | 135         | 3.25        | 40000                       | 15000                |
| M400/BD    | 400       | BT116 | E40  | 12            | 290         | 185         | 135         | 3.25        | 40000                       | 15000                |
| M700/BUH   | 700       | BT150 | E40  | 6             | 370         | 240         | 140         | 5.40        | 60000                       | 9000                 |
| M700/BD    | 700       | BT150 | E40  | 6             | 370         | 240         | 140         | 5.40        | 60000                       | 9000                 |
| M1000A/BUH | 1000      | BT180 | E40  | 6             | 395         | 245         | 145         | 7.50        | 90000                       | 9000                 |
| M1000A/BD  | 1000      | BT180 | E40  | 6             | 395         | 245         | 145         | 7.50        | 90000                       | 9000                 |
| M1000B/BUH | 1000      | BT180 | E40  | 6             | 395         | 245         | 250         | 4.50        | 115000                      | 9000                 |
| M1000B/BD  | 1000      | BT180 | E40  | 6             | 395         | 245         | 250         | 4.50        | 115000                      | 9000                 |
| M1500B/BUH | 1500      | BT180 | E40  | 6             | 395         | 245         | 250         | 6.40        | 145000                      | 3000                 |
| M1500B/BD  | 1500      | BT180 | E40  | 6             | 395         | 245         | 250         | 6.40        | 145000                      | 3000                 |
| M2000B/BUH | 2000      | BT200 | E40  | 1             | 490         | 310         | 230         | 9.20        | 185000                      | 9000                 |
| M2000B/BD  | 2000      | BT200 | E40  | 1             | 490         | 310         | 230         | 9.20        | 185000                      | 9000                 |

NOTE:

1. For use in enclosed fixtures only.

2. Values in lamp voltage and lamp current stated in the above table will vary somewhat according to the supply voltage.

### Burning Position



Base up/Base horizontal (BUH)

Base down (BD)

## EYE Multi White Ace™ NEW

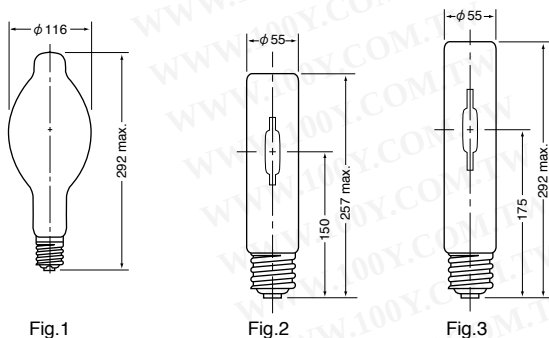


Fig.1

Fig.2

Fig.3

The EYE Multi White Ace™ is a metal halide lamp which operates on high pressure sodium lamp (EN60662) ballast and ignitor.

### FEATURES

High efficacy : 85lm/W (400W)  
 UV block (Tubular type)  
 Open fixture rated (BT type)  
 Ra 70, Tc=3800K (Phosphor coated lamp)  
 Ra 65, Tc=4200K (Tubular clear lamp)  
 E40 base

## PHYSICAL DATA AND CHARACTERISTICS

| Type            | Watts (W) | Bulb  | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Initial lumens (ℓ m) | Burning position | Rated Av. Life (hrs) | Fig. No. |
|-----------------|-----------|-------|----------------|-------------|-------------|-------------|-------------|----------------------|------------------|----------------------|----------|
|                 |           |       |                |             |             | Voltage (V) | Current (A) |                      |                  |                      |          |
| Phosphor coated |           |       |                |             |             |             |             |                      |                  |                      |          |
| MFP400SX/BU/LU  | 420       | BT116 | 12             | 292         | —           | 105         | 4.45        | 36000                | BH±15°           | 10000                | 1        |
| Tubular clear   |           |       |                |             |             |             |             |                      |                  |                      |          |
| MT250SX/BH/LU   | 270       | T55   | 12             | 257         | 150         | 100         | 3.0         | 20000                | BH±15°           | 10000                | 2        |
| MT400SX/BH/LU   | 420       | T55   | 12             | 292         | 175         | 100         | 4.6         | 40000                | BH±15°           | 10000                | 3        |

NOTE: For use in enclosed fixtures only. (Tubular type)



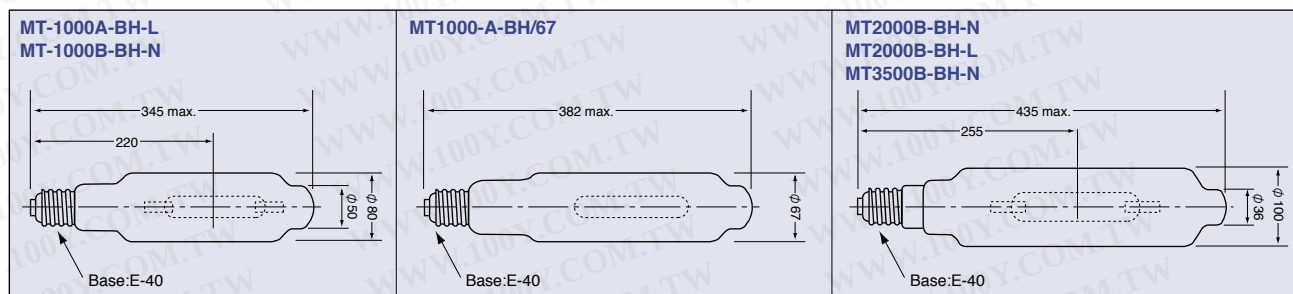
# EYE Multi-Metal

## Tubular Bulb Series

(For use with appropriate ballast and ignitor)

EYE Multi-Metal Lamps in the tubular bulb series are available with "Accelerated Re-start" type and "Ignitor-less Start" models which include the same characteristics as the conventional BT or reflector bulb series.

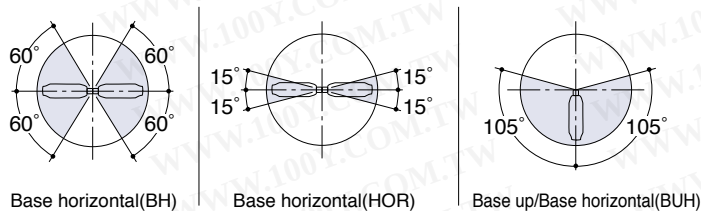
## DIMENSIONS



## PHYSICAL DATA AND CHARACTERISTICS (Clear Type)

| Type          | Watts (W) | Bulb | Std. Pkg Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Req. Starting Voltage(V) | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|---------------|-----------|------|---------------|-------------|-------------|-------------|-------------|--------------------------|-----------------------------|----------------------|
|               |           |      |               |             |             | Voltage (V) | Current (A) |                          |                             |                      |
| MT125/BUH     | 125       | T38  | 24            | 168         | 117         | 125         | 1.15        | 1000                     | 8000                        | 9000                 |
| MT250/BH      | 250       | T48  | 12            | 225         | 150         | 130         | 2.13        | 1000                     | 18000                       | 10000                |
| MT400/BH      | 400       | T48  | 12            | 285         | 175         | 135         | 3.25        | 1000                     | 32000                       | 10000                |
| MT400SX/HOR   | 400       | T55  | 12            | 285         | 175         | 135         | 3.25        | 1000                     | 39000                       | 15000                |
| MT1000A-BH-L  | 1000      | T80  | 12            | 345         | 220         | 145         | 7.50        | 1200                     | 85000                       | 6000                 |
| MT1000A-BH/67 | 1000      | T67  | 12            | 382         | 240         | 145         | 7.50        | 1200                     | 85000                       | 6000                 |
| MT1000B-BH-N  | 1000      | T80  | 12            | 345         | 220         | 230         | 4.70        | 4000                     | 115000                      | 9000                 |
| MT2000B-BH-N  | 2000      | T100 | 12            | 435         | 255         | 230         | 9.20        | 4000                     | 200000                      | 9000                 |
| MT2000B-BH-L  | 2000      | T100 | 12            | 435         | 255         | 230         | 9.20        | 360                      | 220000                      | 9000                 |
| MT3500B-BH-N  | 3500      | T100 | 12            | 435         | 255         | 230         | 16.00       | 4000                     | 350000                      | 1500                 |

### Burning Position

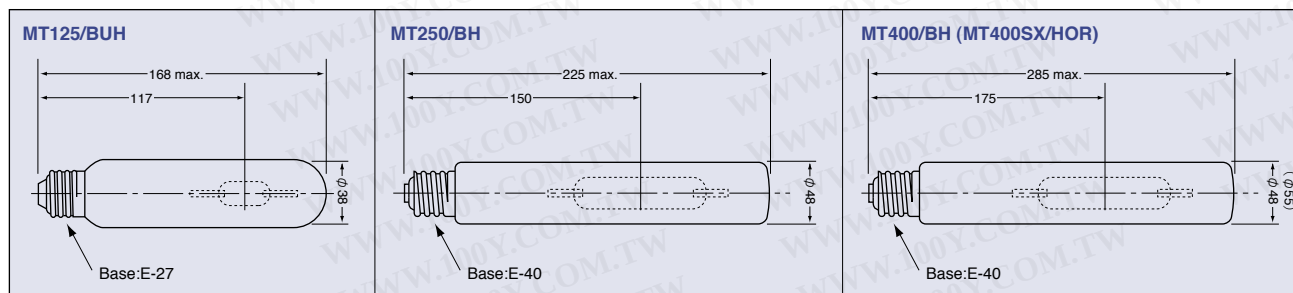


### NOTE:

1. For use in enclosed fixtures only.
2. Values in lamp voltage and lamp current stated in the above table will vary somewhat according to the supply voltage.
3. 125W~400W: Use with mercury lamp ballast and metal halide ignitor.

### REMARKS:

- N: For use with metal halide discharge lamp ballast and ignitor providing a high voltage pulse.
- L: MT1000A-BH-L: Use with mercury lamp 1000W ballast and external ignitor.
- MT2000B-BH-L: Operate with metal halide lamp 2000W 8.8A reactor type ballast without ignitor but use of external ignitor is recommended when the temperature is below  $-10^{\circ}\text{C}$ .



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# EYE Multi-Metal

(Operate on CWA ballast)

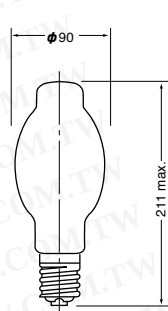


Fig. 1

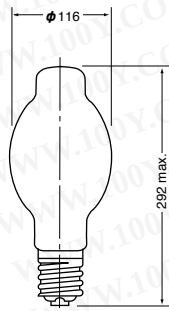


Fig. 2

X/U Type metal halide lamp operates on metal halide CWA ballast without external ignitor. Also it operates on mercury reactor ballast with metal halide ignitor. P type (Teflon coated type) is available for 400W.

## PHYSICAL DATA AND CHARACTERISTICS E40 base

| Type                 | Watts (W) | Bulb  | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Initial lumens (ℓ m) | Burning position | Rated Av. Life (hrs) | Fig. No. |
|----------------------|-----------|-------|----------------|-------------|-------------|-------------|-------------|----------------------|------------------|----------------------|----------|
|                      |           |       |                |             |             | Voltage (V) | Current (A) |                      |                  |                      |          |
| Phosphor Coated Type |           |       |                |             |             |             |             |                      |                  |                      |          |
| MF250X/U             | 250       | BT90  | 12             | 211         | —           | 130         | 2.13        | 20000                | Any              | 15000                | 1        |
| MF400X/U             | 400       | BT116 | 12             | 292         | —           | 135         | 3.25        | 36000                | Any              | 15000                | 2        |
| MF1000BX/U           | 1000      | BT180 | 6              | 395         | —           | 263         | 4.10        | 110000               | Any              | 9000                 | —        |
| Clear Type           |           |       |                |             |             |             |             |                      |                  |                      |          |
| M250X/U              | 250       | BT90  | 12             | 211         | 131         | 130         | 2.13        | 21000                | Any              | 15000                | 1        |
| M400X/U              | 400       | BT116 | 12             | 292         | 185         | 135         | 3.25        | 38000                | Any              | 15000                | 2        |
| M1000BX/U            | 1000      | BT180 | 6              | 395         | 245         | 263         | 4.10        | 115000               | Any              | 9000                 | —        |
| HIGH LUMEN TYPE      |           |       |                |             |             |             |             |                      |                  |                      |          |
| Phosphor Coated Type |           |       |                |             |             |             |             |                      |                  |                      |          |
| MF400SX/BU           | 400       | BT116 | 12             | 292         | —           | 135         | 3.25        | 40000                | Base up          | 20000                | 2        |
| MF1000BSX/BU         | 1000      | BT180 | 6              | 395         | —           | 263         | 4.10        | 118000               | Base up          | 9000                 | —        |
| Clear Type           |           |       |                |             |             |             |             |                      |                  |                      |          |
| M400SX/BU            | 400       | BT116 | 12             | 292         | 185         | 135         | 3.25        | 42000                | Base up          | 20000                | 2        |
| M1000BSX/BU          | 1000      | BT180 | 6              | 395         | 245         | 263         | 4.10        | 120000               | Base up          | 9000                 | —        |

NOTE: For use in enclosed fixtures only.

| Type       | Watts (W) | Bulb  | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Initial lumens (lm) | Burning position | Rated Av. Life (hrs) | Fig. No. |
|------------|-----------|-------|----------------|-------------|-------------|-------------|-------------|---------------------|------------------|----------------------|----------|
|            |           |       |                |             |             | Voltage (V) | Current (A) |                     |                  |                      |          |
| MF400X/BUP | 400       | BT116 | 12             | 292         | —           | 135         | 3.25        | 36000               | Base up          | 15000                | 2        |
| M400X/BUP  | 400       | BT116 | 12             | 292         | 185         | 135         | 3.25        | 38000               | Base up          | 15000                | 2        |

# EYE Multi White Ace™ NEW

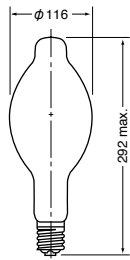


Fig.1

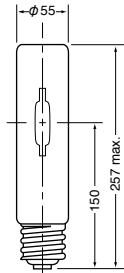


Fig.2

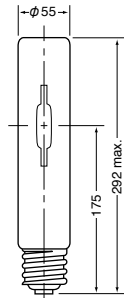


Fig.3

The EYE Multi White Ace™ is a metal halide lamp which operates on high pressure sodium lamp (EN60662) ballast and ignitor.

## FEATURES

High efficacy : 85lm/W (400W)  
 UV block (Tubular type)  
 Open fixture rated (BT type)  
 Ra 70, Tc=3800K (Phosphor coated lamp)  
 Ra 65, Tc=4200K (Tubular clear lamp)  
 E40 base

## PHYSICAL DATA AND CHARACTERISTICS

| Type            | Watts (W) | Bulb  | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Initial lumens (ℓ m) | Burning position | Rated Av. Life (hrs) | Fig. No. |
|-----------------|-----------|-------|----------------|-------------|-------------|-------------|-------------|----------------------|------------------|----------------------|----------|
|                 |           |       |                |             |             | Voltage (V) | Current (A) |                      |                  |                      |          |
| Phosphor coated |           |       |                |             |             |             |             |                      |                  |                      |          |
| MFP400SX/BU/LU  | 420       | BT116 | 12             | 292         | —           | 105         | 4.45        | 36000                | BH±15°           | 10000                | 1        |
| Tubular clear   |           |       |                |             |             |             |             |                      |                  |                      |          |
| MT250SX/BH/LU   | 270       | T55   | 12             | 257         | 150         | 100         | 3.0         | 20000                | BH±15°           | 10000                | 2        |
| MT400SX/BH/LU   | 420       | T55   | 12             | 292         | 175         | 100         | 4.6         | 40000                | BH±15°           | 10000                | 3        |

NOTE: For use in enclosed fixtures only. (Tubular type)

勝特力材料 886-3-5753170  
 勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



## EYE SDX<sup>®</sup> (2500K Series)



### SUPER-COMPACT WHITE COLOUR

High intensity, high colour rendition, high efficacy, plus long service life, Iwasaki HID lamps incorporate these features in wattage 50, 70, 100, 150, 250 and 400W lamps. The white light produced by EYE SDX lamps is virtually identical to that produced by incandescent lamps. EYE SDX is a new, compact, high colour rendering HID lamp that looks and feels just like an incandescent lamp.

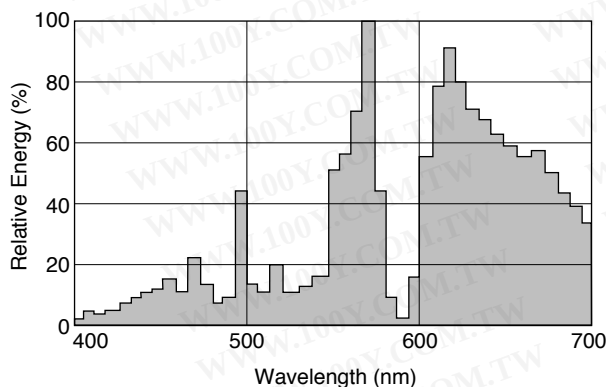
### FEATURES

1. Compact construction along with precise light distribution control. Universal burning position provided by tubular hard glass bulb.  
E27 base  
E40 series lamps with high lumen and long life: An ideal choice for lighting systems.
2. Outstanding colour rendition and fresh, clear tints. Ra82-85
3. Warm white light virtually identical to incandescent lamps. 2500K
4. Approximately 3 to 5 times more efficient than incandescent lamps. 50 - 60lm/W.
5. 6,000 - 9,000 hours service life. Approximately 3 to 9 times that of incandescent lamps and tungsten halogen lamps.
6. Stronger against shocks and vibrations than filament lamps.
7. Emits very little UV radiation.
8. No front glass required for fixtures.
9. Uses specified ballasts.
10. Perfect for commercial applications, municipal applications and all other lighting applications where comfortable lighting is desired.

### OPERATING INSTRUCTIONS

EYE SDX lamps operate on Iwasaki electronic ballasts and also dedicated ballasts & ignitors in the market.

### SPECTRAL DISTRIBUTION



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## PHYSICAL DATA AND CHARACTERISTICS E27 Series

| Type                | Watts (W) | Bulb        | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp Voltage (V) | Approx. Initial Lumens (lm) | Colour Rendering Index(Ra) | Rated Av. Life (hrs) | Fig. |
|---------------------|-----------|-------------|------|----------------|-------------|-------------|------------------|-----------------------------|----------------------------|----------------------|------|
| <b>Clear Type</b>   |           |             |      |                |             |             |                  |                             |                            |                      |      |
| NHT50SDX/E27        | 50        | T30         | E27  | 24             | 110         | 75          | 45               | 2500                        | 82                         | 6000                 | 1    |
| NHT70SDX/E27        | 70        | T35         | E27  | 12             | 140         | 89          | 85               | 3500                        | 83                         | 6000                 | 2    |
| NHT100SDX/E27       | 100       | T35         | E27  | 12             | 140         | 89          | 80               | 5000                        | 83                         | 6000                 | 2    |
| NHT150SDX/E27       | 150       | T40         | E27  | 12             | 155         | 97          | 100              | 7800                        | 85                         | 9000                 | 3    |
| <b>Frosted Type</b> |           |             |      |                |             |             |                  |                             |                            |                      |      |
| NHT50FSDX/E27       | 50        | T30 frosted | E27  | 24             | 110         | —           | 45               | 2400                        | 82                         | 6000                 | 1    |
| NHT70FSDX/E27       | 70        | T35 frosted | E27  | 12             | 140         | —           | 85               | 3350                        | 83                         | 6000                 | 2    |
| NHT100FSDX/E27      | 100       | T35 frosted | E27  | 12             | 140         | —           | 80               | 4800                        | 83                         | 6000                 | 2    |
| NHT150FSDX/E27      | 150       | T40 frosted | E27  | 12             | 155         | —           | 100              | 7300                        | 85                         | 9000                 | 3    |

## PHYSICAL DATA AND CHARACTERISTICS E40 Series

| Type          | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Colour Rendering Index(Ra) | Rated Av. Life (hrs) | Fig. |
|---------------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------------|----------------------|------|
|               |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |                            |                      |      |
| NHT150SDX/E40 | 150       | T48  | E40  | 12             | 211         | 127         | 100         | 1.90        | 7800                        | 85                         | 9000                 | 4    |
| NHT250SDX/E40 | 250       | T48  | E40  | 12             | 211         | 127         | 100         | 3.10        | 13500                       | 85                         | 9000                 | 4    |
| NHT400SDX/E40 | 400       | T48  | E40  | 12             | 257         | 150         | 100         | 4.70        | 24000                       | 85                         | 9000                 | 5    |

Note:

- Lamp performance will vary depending on the characteristic curve of each type of ballast.
- Initial lumens are the value after 100hours operation.

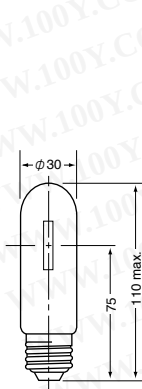


Fig.1

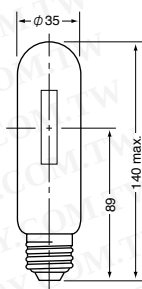


Fig.2

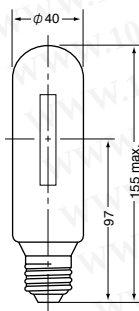


Fig.3

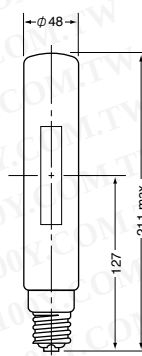


Fig.4

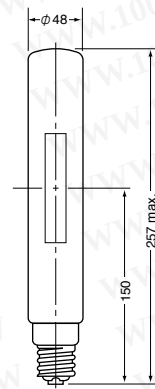


Fig.5

## BALLASTS

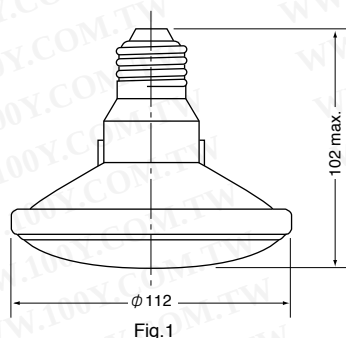
Use specialized ballasts for the best performance.

- Electronic ballast for EYE-SDX available from IWASAKI.
- Choke type ballast for EYE-SDX available from TRIDONIC (Austria), WJ Parry (U.K.), ATCO (Australia), Europhane Thorn (France), Vossloh Schwabbe. (Germany), ERC (Italy), INECSSA, ELT (Spain), Leuenberger (Swiss), BAG TURGI (Swiss).



# EYE SDX PAR<sup>TM</sup> **NEW**

PAR 36



## High pressure sodium lamps with white light colour

### FEATURES

#### 1. Simple & Compact design

The arc tube lays in the PAR36 outer bulb and has a compact design.

#### 2. Warm white light

Lamps with colour temperatures of 2500K is available. These lamps are suitable for a wide range of applications.

#### 3. High luminous flux and high colour rendition.

Compared to the dichroic mirror halogen lamps, these lamps have a higher luminous flux and the same high colour rendition.

#### 4. Beam angle selection

Medium beam and wide beam distribution are available. Excellent beam control offers a high luminous efficacy and related energy saving.

#### 5. Ballast & ignitor

EYE SDX PAR<sup>TM</sup> lamps can be operated on the same ballast & ignitor as that for EYE SDX<sup>®</sup> lamps. Also, Iwasaki's electronic ballast can be used with these lamps.

#### 6. Safety

Open fixture use.  
Indoor use only.

## Dichroic reflector type PAR 36/E27 base

### CHARACTERISTICS

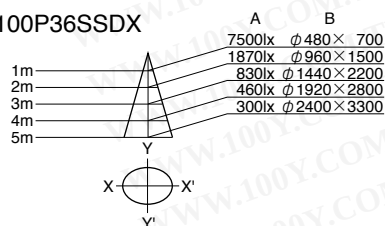
| Type         | Watts (W) | Initial lumens (lm) | Beam lumens (lm) | Beam angle(°) | Max. light intensity (cd) | Colour temperature (K) | Ra | Rated Av. Life (hrs) | M.O.L. (mm) | Fig. No. |
|--------------|-----------|---------------------|------------------|---------------|---------------------------|------------------------|----|----------------------|-------------|----------|
| NH100P36SSDX | 100       | 5000                | 1200             | 27×40         | 7500                      | 2500                   | 83 | 6000                 | 102         | 1        |
| NH100P36FSDX | 100       | 4800                | 1600             | 60×65         | 2700                      | 2500                   | 83 | 6000                 | 102         | 1        |
| NH150P36SSDX | 150       | 7000                | 3200             | 28×48         | 8500                      | 2500                   | 85 | 6000                 | 102         | 1        |
| NH150P36FSDX | 150       | 6000                | 2600             | 62×75         | 3300                      | 2500                   | 85 | 6000                 | 102         | 1        |

### CONICAL DIAGRAM OF ILLUMINANCE

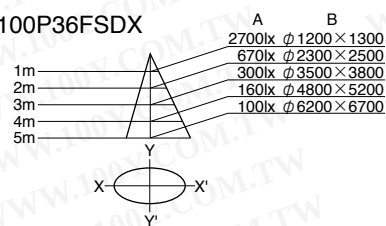
A: Illuminance level directly under the lamp (lx)

B: The distance to the point of 1/2 illuminance level of A (mm)

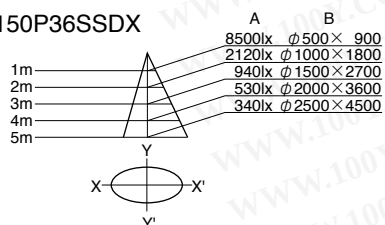
NH100P36SSDX



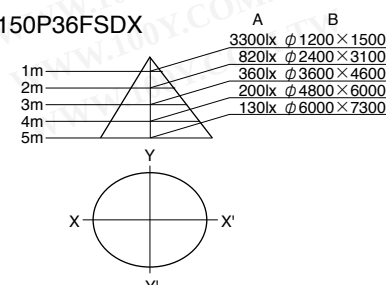
NH100P36FSDX



NH150P36SSDX

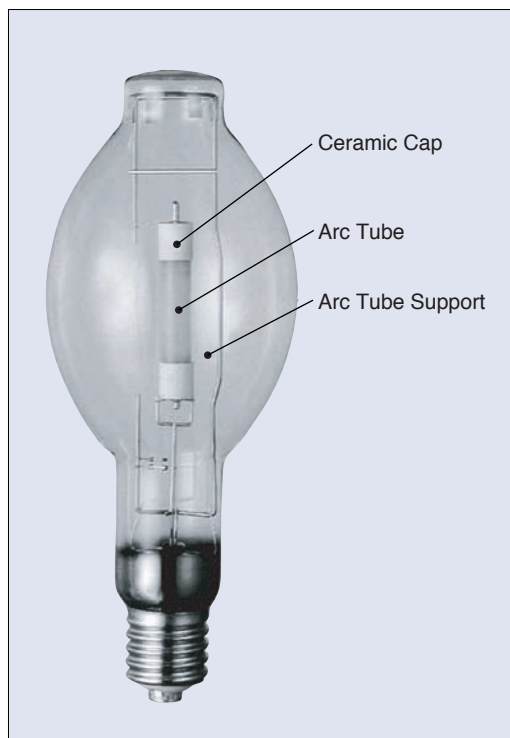


NH150P36FSDX



# EYE Specialux™

(High Colour Rendition)



The EYE Specialux lamp is a high-pressure sodium lamp with high colour rendition.

## FEATURES

With high sodium vapour pressure that exceeds even the level of Sunlux (high pressure sodium lamp), EYE SPECIALUX features a wide emission spectrum extending over the full visible range, developing virtually the same light source colour and colour rendition as the incandescent lamp. This lamp is comparable to the mercury lamp in lamp efficiency which is about three times higher than that of the incandescent lamp and thus reduces the number of lamps to be installed for a given illuminance. With this lamp, you can enjoy both the warmth of incandescent lamp lighting and the merit of power saving at the same time. Moreover, the arc tube is made of aluminum ceramics and affords a 9,000-hour life expectancy, nine times greater than the incandescent lamp.

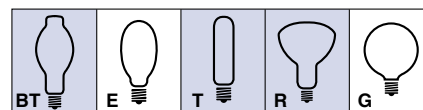
Colour Temperature : 2500K

Average Colour Rendition : Ra=85

## OPERATING INSTRUCTIONS

EYE Specialux lamps operate on standard high-pressure sodium lamp ballasts with external ignitors ( IEC Pub. 60662 ).

Also EYE Specialux lamps operate on EYE SDX ballasts.



## PHYSICAL DATA AND CHARACTERISTICS

### BT & T Bulb Series

| Type         | Watts (W) | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|--------------|-----------|-------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|              |           |       |      |                |             |             | Voltage (V) | Current (A) |                             |                      |
| Diffuse Type |           |       |      |                |             |             |             |             |                             |                      |
| NH150FDX/PN  | 150       | BT90  | E40  | 12             | 226         | —           | 100         | 1.80        | 7300                        | 9000                 |
| NH250FDX/PN  | 250       | BT90  | E40  | 12             | 226         | —           | 100         | 3.00        | 12800                       | 9000                 |
| NH400FDX/PN  | 400       | BT116 | E40  | 12             | 295         | —           | 105         | 4.45        | 23000                       | 9000                 |
| Clear Type   |           |       |      |                |             |             |             |             |                             |                      |
| NHT150DX/PN  | 150       | T48   | E40  | 12             | 211         | 132         | 100         | 1.80        | 7800                        | 9000                 |
| NHT250DX/PN  | 250       | T48   | E40  | 12             | 257         | 150         | 100         | 3.00        | 13500                       | 9000                 |
| NHT400DX/PN  | 400       | T48   | E40  | 12             | 287         | 175         | 100         | 4.60        | 24000                       | 9000                 |

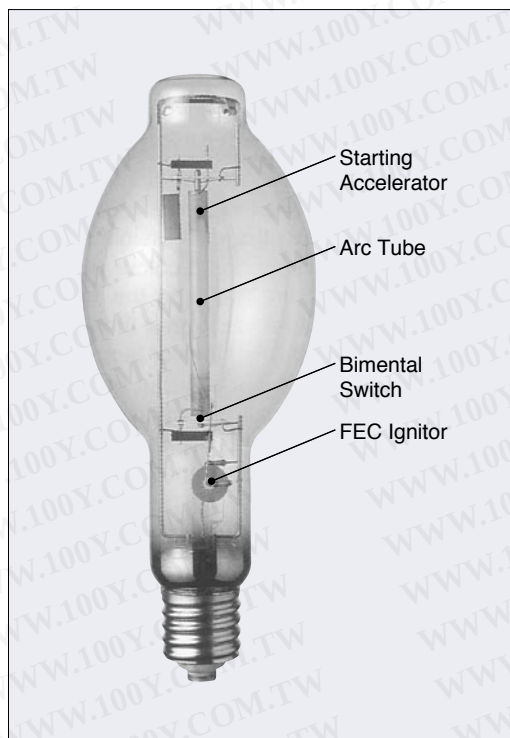
### R Bulb Series

| Type        | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | Lamp        |             | Beam Lumens (lm)           | Max. Light Intensity (cd) | Rated Av. Life (hrs) |
|-------------|-----------|------|------|----------------|-------------|-------------|-------------|----------------------------|---------------------------|----------------------|
|             |           |      |      |                |             | Voltage (V) | Current (A) |                            |                           |                      |
| NHR150DX/PN | 150       | R165 | E40  | 6              | 310         | 100         | 1.80        | 0~65° 4800<br>0~90° 5900   | 1400                      | 9000                 |
| NHR250DX/PN | 250       | R165 | E40  | 6              | 310         | 100         | 3.00        | 0~65° 8000<br>0~90° 9500   | 2200                      | 9000                 |
| NHR400DX/PN | 400       | R180 | E40  | 6              | 320         | 105         | 4.45        | 0~65° 15500<br>0~90° 18000 | 4200                      | 9000                 |

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## EYE Sunlux Ace®



### IAT

#### FEC

- World's first switching capacitor that can resist the high temperature presents in the lamp's outer bulb

IAT Iwasaki Advanced Technology



### IAT

#### Plasma Sealing

- More reliable
- Prevents arc tube leakage, a common problem with mechanically crimp sealed lamps



### IAT

#### Sintered Electrode

- Extends life span of low wattage H.P.S. lamps
- World's first manufacturer to apply sintered electrodes to H.P.S. lamps

### EYE Sunlux Ace® and mercury lamp ballast combination

(Max. wiring distance from the ballast)

| Type     | Mercury Lamp Ballast<br>(Reactor or Auto-transformer) | Allowable External Capacitance ※ |
|----------|-------------------------------------------------------|----------------------------------|
| NH50FLX  | 50W                                                   | 1500 pF                          |
| NH75FLX  | 80W                                                   | 1500 pF                          |
| NH110FLX | 125W                                                  | 1500 pF                          |
| NH220FLX | 250W                                                  | 2500 pF                          |
| NH360FLX | 400W                                                  | 2500 pF                          |
| NH660FLX | 700W                                                  | 5000 pF                          |
| NH940FLX | 1000W                                                 | 5000 pF                          |
| NHT220LX | 250W                                                  | 2500 pF                          |
| NHT360LX | 400W                                                  | 2500 pF                          |
| NHT660LX | 700W                                                  | 5000 pF                          |
| NHT940LX | 1000W                                                 | 5000 pF                          |

※100pF stray capacitance is equivalent to about 1 meter length of twin cable.

The EYE Sunlux Ace uses a built-in ceramic ignitor instead of a mechanical switching device and thus can get easily adapted to present mercury vapour installations.

## FEATURES

### 1. RELIABILITY

- Built-in ceramic ignitor - no moving parts
- Controlled pulse voltage - identical on every cycle ensures excellent starting

### 2. ECONOMY

- Compared to equal wattage mercury vapour lamps, EYE Sunlux Ace provides double the lumen package
- No continuous high voltage pulsing at end of lamp life to cause possible ballast failure
- No need to replace lamp immediately at the end of its life as required with standard type high pressure sodium lamps

### 3. SAFETY

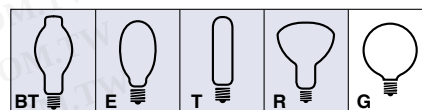
- Prevents ignitor pulsing at end of lamp life
- If arc tube leakage occurs, lamp will cease to operate at the switch on, thus eliminating possible damage to ballast
- At end of lamp life, pulse voltage is ceased or reduced to harmless level due to a special characteristic of FEC

### 4. OTHER

- NH50FLX is the world's smallest plug-in HPS lamp; can be used in security and private lighting applications.

## OPERATING INSTRUCTIONS

- EYE Sunlux Ace lamps operate on standard mercury vapour reactor or auto-transformer type ballasts (IEC Pub. 60188 M.V.L. Ballast). The use of incompatible ballasts will result in failure or damage to the lamp.
- The wiring distance between the ballast and the lamp is extendible up to 50m. (15m maximum for 50W, 75W and 110W rated lamp 25m for 220W and 360W.)
- EYE Sunlux Ace will continue to burn after its rated average life. However lamps used after this time cannot perform according to the lamp characteristics described on the next page. Thus, please change the lamps after the expiration of the rated life.
- Refer to other catalogues for lighting fixture information concerning EYE Sunlux Ace or the existing Sunlux lamp, as the characteristics of lamps may be affected due to the type of lighting fixture in which the lamp is used.



## PHYSICAL DATA AND CHARACTERISTICS

### E & BT Bulb Series

| Type         | Watts (W) | Bulb  | Base          | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|--------------|-----------|-------|---------------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|              |           |       |               |                |             |             | Voltage (V) | Current (A) |                             |                      |
| Diffuse Type |           |       |               |                |             |             |             |             |                             |                      |
| NH50FLX      | 50        | E55   | E27           | 30             | 130         | —           | 95          | 0.61        | 3400                        | 16000                |
| NH75FLX/70S  | 75        | E70   | E27           | 24             | 156         | —           | 115         | 0.80        | 6200                        | 20000                |
| NH75FLX/70H  | 75        | E70   | E27 or B22d-3 | 24             | 156         | —           | 115         | 0.80        | 6200                        | 20000                |
| NH110FLX     | 115       | BT70  | E27 or B22d-3 | 24             | 178         | —           | 125         | 1.15        | 11000                       | 24000                |
| NH220FLX     | 235       | BT90  | E40           | 12             | 226         | —           | 130         | 2.13        | 25500                       | 24000                |
| NH360FLX     | 375       | BT116 | E40           | 12             | 292         | —           | 135         | 3.25        | 46000                       | 24000                |
| NH660FLX     | 660       | BT150 | E40           | 6              | 357         | —           | 140         | 5.40        | 90000                       | 24000                |
| NH940FLX     | 940       | E165  | E40           | 6              | 395         | —           | 145         | 7.50        | 131000                      | 24000                |

### Clear Type

|            |     |       |               |    |     |     |     |      |        |       |
|------------|-----|-------|---------------|----|-----|-----|-----|------|--------|-------|
| NH50LX     | 50  | E55   | E27           | 30 | 130 | 85  | 95  | 0.61 | 3400   | 16000 |
| NH75LX/70S | 75  | E70   | E27           | 24 | 156 | 98  | 115 | 0.80 | 6500   | 20000 |
| NH75LX/70H | 75  | E70   | E27 or B22d-3 | 24 | 156 | 98  | 115 | 0.80 | 6500   | 20000 |
| NH110LX    | 115 | BT70  | E27 or B22d-3 | 24 | 178 | 115 | 125 | 1.15 | 11600  | 24000 |
| NH220LX    | 235 | BT90  | E40           | 12 | 226 | 146 | 130 | 2.13 | 28000  | 24000 |
| NH360LX    | 375 | BT116 | E40           | 12 | 292 | 185 | 135 | 3.25 | 50000  | 24000 |
| NH660LX    | 660 | BT150 | E40           | 6  | 357 | 230 | 140 | 5.40 | 95000  | 24000 |
| NH940LX    | 940 | E165  | E40           | 6  | 395 | 245 | 145 | 7.50 | 138000 | 24000 |

### T Bulb Series

| Type       | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|------------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|            |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |                      |
| Clear Type |           |      |      |                |             |             |             |             |                             |                      |
| NHT220LX   | 235       | T48  | E40  | 12             | 257         | 150         | 130         | 2.13        | 28000                       | 24000                |
| NHT360LX   | 375       | T48  | E40  | 12             | 285         | 175         | 135         | 3.25        | 50000                       | 24000                |
| NHT660LX   | 660       | T55  | E40  | 12             | 330         | 205         | 140         | 5.40        | 95000                       | 24000                |
| NHT940LX   | 940       | T67  | E40  | 12             | 375         | 222         | 145         | 7.50        | 138000                      | 24000                |

### R Bulb Series

| Type     | Watts (W) | Bulb | Base          | Std. Pkg. Qty. | M.O.L. (mm) | Lamp        |             | Beam Lumens (lm)             | Max. Light Intensity (cd) | Rated Av. Life (hrs) |
|----------|-----------|------|---------------|----------------|-------------|-------------|-------------|------------------------------|---------------------------|----------------------|
|          |           |      |               |                |             | Voltage (V) | Current (A) |                              |                           |                      |
| NHR75LX  | 75        | R126 | E27 or B22d-3 | 6              | 201         | 115         | 0.80        | 0~67.5° 3700<br>0~90° 4400   | 1120                      | 16000                |
| NHR110LX | 115       | R126 | E27 or B22d-3 | 6              | 201         | 125         | 1.15        | 0~67.5° 6200<br>0~90° 7400   | 1900                      | 24000                |
| NHR220LX | 235       | R165 | E40           | 6              | 310         | 130         | 2.13        | 0~67.5° 14000<br>0~90° 20000 | 4500                      | 24000                |
| NHR360LX | 375       | R180 | E40           | 6              | 320         | 135         | 3.25        | 0~67.5° 25500<br>0~90° 34000 | 7300                      | 24000                |

NOTE:

NH-LX indicates clear lamp, NH-F,LX diffused lamp, and NHR-LX reflector lamp

Initial lumens is the value after 100 hrs of operation.

Burning position: Any

NH75LX/70S indicates soft glass and NH75LX/70H hard glass.



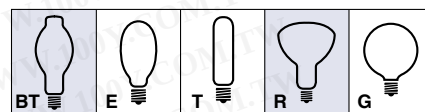
# EYE Improved Colour Rendering Sunlux Ace

The EYE Improved Colour Rendering Sunlux Ace lamp is similar to the LX type in appearance, dimensions, but boasts improved colour rendering characteristics without sacrificing efficiency.

## FEATURES

1. High efficiency with improved colour rendition ( $R_a=60$ )
2. Operates with standard mercury lamp reactor type ballast
3. Provides warm light colour (Colour temperature  $T_c=2150$  K)

## PHYSICAL DATA AND CHARACTERISTICS



### BT Bulb Series

| Type         | Watts (W) | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (ℓ m) | Rated Av. Life (hrs) |
|--------------|-----------|-------|------|----------------|-------------|-------------|-------------|-------------|------------------------------|----------------------|
|              |           |       |      |                |             |             | Voltage (V) | Current (A) |                              |                      |
| Diffuse Type |           |       |      |                |             |             |             |             |                              |                      |
| NH220FDLX    | 220       | BT90  | E40  | 12             | 226         | —           | 130         | 2.13        | 19000                        | 24000                |
| NH360FDLX    | 360       | BT116 | E40  | 12             | 292         | —           | 135         | 3.25        | 36000                        | 24000                |
| NH660FDLX    | 660       | BT150 | E40  | 6              | 375         | —           | 140         | 5.40        | 69000                        | 24000                |
| Clear Type   |           |       |      |                |             |             |             |             |                              |                      |
| NH220DLX     | 220       | BT90  | E40  | 12             | 226         | 146         | 130         | 2.13        | 20000                        | 24000                |
| NH360DLX     | 360       | BT116 | E40  | 12             | 292         | 185         | 135         | 3.25        | 38000                        | 24000                |
| NH660DLX     | 660       | BT150 | E40  | 6              | 375         | 240         | 140         | 5.40        | 73000                        | 24000                |

### R Bulb Series

| Type      | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | Lamp        |             | Beam Lumens (lm)           | Max. Light Intensity (cd) | Rated Av. Life (hrs) |
|-----------|-----------|------|------|----------------|-------------|-------------|-------------|----------------------------|---------------------------|----------------------|
|           |           |      |      |                |             | Voltage (V) | Current (A) |                            |                           |                      |
| NHR220DLX | 220       | R165 | E40  | 6              | 310         | 130         | 2.13        | 0~65° 12000<br>0~90° 14500 | 3200                      | 24000                |
| NHR360DLX | 360       | R180 | E40  | 6              | 320         | 135         | 3.25        | 0~65° 22000<br>0~90° 27000 | 5900                      | 24000                |

NOTE:

Initial lumens are the values after 100 hours of operation.

Burning position: Any

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# EYE Ignitron Super™

## EYE Ignitron™



### IAT

#### FEC

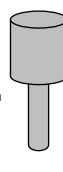
- World's first switching capacitor that can resist the high temperature presents in the lamp's outer bulb
- Pulse-cut feature stops ignitor pulsing at lamp life end



### IAT

#### Plasma Sealing

- More reliable
- Prevents arc tube leakage, a common problem with mechanically crimp sealed lamps



### IAT

#### Sintered Electrode

- Extends life span of low wattage H.P.S. lamps
- World's first manufacturer to apply sintered electrodes to H.P.S. lamps

The EYE Ignitron Super lamp is a high efficiency high-pressure sodium lamp with an internal FEC ignitor. The EYE Ignitron lamp is a high-pressure sodium lamp with an internal FEC ignitor.

## FEATURES

### 1. RELIABILITY

- Built-in ceramic ignitor-no moving parts
- Controlled pulse voltage-identical on every cycle ensures excellent starting
- Lower pulse voltage required to start lamp than that of conventional external ignitor.

### 2. PROTECTION (Ignitron Super)

- Special cut-out feature in FEC eliminating ignitor pulsing at end of lamp life protects ballasts and wiring.

### 3. ECONOMY

- Higher luminous efficacy than standard H.P.S. lamps (Ignitron Super)
- No need to immediately replace lamp at the end of its life as required with standard external ignitor type H.P.S. lamps

### 4. SAFETY

- In the event of arc tube leakage, the lamp will cease operation at the next attempt to start the lamp thus preventing possible ballast damage.

### 5. BROAD APPLICATION RANGE (Ignitron Super)

- Can be operated in areas subject to high amounts of radio frequency energy without causing any interference, a significant shortcoming with standard external ignition systems

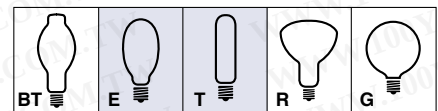
### 6. OTHER

- Low wattage lamps, especially NH50/I & NH70/I, can be used with rather compact fixtures. (No external ignitor to take up space)

## OPERATING INSTRUCTIONS

EYE Ignitron Super and EYE Ignitron lamps operate on standard high-pressure sodium lamp ballasts without external ignitors (IEC Pub. 60662).

# EYE Ignitron Super™



## PHYSICAL DATA AND CHARACTERISTICS

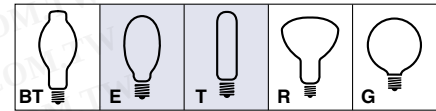
### Tubular Bulb Series (Clear Type)

| Type       | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) | Fig. |
|------------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|------|
|            |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |                      |      |
| NHT150/I-S | 150       | T48  | E40  | 12             | 211         | 127         | 100         | 1.80        | 16000                       | 24000                | 2    |
| NHT250/I-S | 250       | T48  | E40  | 12             | 257         | 153         | 100         | 3.00        | 33000                       | 24000                | 3    |
| NHT400/I-S | 400       | T48  | E40  | 12             | 287         | 175         | 100         | 4.60        | 56000                       | 24000                | 4    |

### Elliptical Bulb Series (Diffuse Type)

| Type       | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) | Fig. |
|------------|-----------|------|------|----------------|-------------|-------------|-------------|-----------------------------|----------------------|------|
|            |           |      |      |                |             | Voltage (V) | Current (A) |                             |                      |      |
| NH150F/I-S | 150       | E90  | E40  | 12             | 226         | 100         | 1.80        | 15500                       | 24000                | 8    |
| NH250F/I-S | 250       | E90  | E40  | 12             | 226         | 100         | 3.00        | 30000                       | 24000                | 8    |
| NH400F/I-S | 400       | E120 | E40  | 12             | 285         | 105         | 4.45        | 53000                       | 24000                | 9    |

NOTE: 1. Initial lumens are the value after 100 hours operation. 2. Burning position: Any



### PHYSICAL DATA AND CHARACTERISTICS

#### Tubular Bulb Series (Clear Type)

| Type      | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) | Fig. |
|-----------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|------|
|           |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |                      |      |
| NHT50/I   | 50        | T35  | E27  | 24             | 156         | 104         | 85          | 0.76        | 4000                        | 16000                | 1    |
| NHT70/I   | 70        | T35  | E27  | 24             | 156         | 104         | 90          | 0.98        | 6000                        | 16000                | 1    |
| NHT100/I  | 100       | T48  | E40  | 12             | 211         | 127         | 100         | 1.20        | 10000                       | 24000                | 2    |
| NHT150/I  | 150       | T48  | E40  | 12             | 211         | 127         | 100         | 1.80        | 14500                       | 24000                | 2    |
| NHT250/I  | 250       | T48  | E40  | 12             | 257         | 153         | 100         | 3.00        | 27500                       | 24000                | 3    |
| NHT400/I  | 400       | T48  | E40  | 12             | 287         | 175         | 100         | 4.60        | 50000                       | 24000                | 4    |
| NHT1000/I | 1000      | T67  | E40  | 12             | 375         | 240         | 100         | 10.60       | 133000                      | 24000                | 5    |

#### Elliptical Bulb Series (Diffuse Type)

| Type      | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) | Fig. |
|-----------|-----------|------|------|----------------|-------------|-------------|-------------|-----------------------------|----------------------|------|
|           |           |      |      |                |             | Voltage (V) | Current (A) |                             |                      |      |
| NH50F/I   | 50        | E70  | E27  | 24             | 156         | 85          | 0.76        | 3800                        | 16000                | 6    |
| NH70F/I   | 70        | E70  | E27  | 24             | 156         | 90          | 0.98        | 5800                        | 16000                | 6    |
| NH100F/I  | 100       | E75  | E40  | 12             | 186         | 100         | 1.20        | 9500                        | 24000                | 7    |
| NH150F/I  | 150       | E90  | E40  | 12             | 226         | 100         | 1.80        | 14000                       | 24000                | 8    |
| NH250F/I  | 250       | E90  | E40  | 12             | 226         | 100         | 3.00        | 25800                       | 24000                | 8    |
| NH400F/I  | 400       | E120 | E40  | 12             | 285         | 105         | 4.45        | 47800                       | 24000                | 9    |
| NH1000F/I | 1000      | E165 | E40  | 6              | 395         | 110         | 10.30       | 125000                      | 24000                | 10   |

Note:

1. Initial lumens are the value after 100 hours operation.
2. Burning position: Any

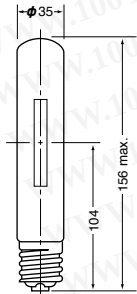


Fig. 1

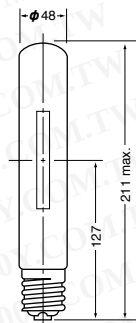


Fig. 2

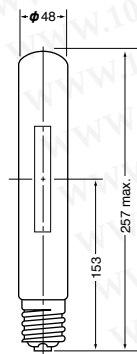


Fig. 3

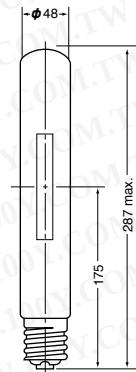


Fig. 4

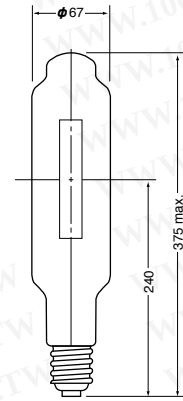


Fig. 5

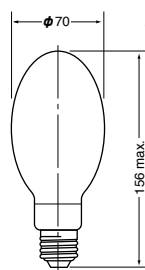


Fig. 6

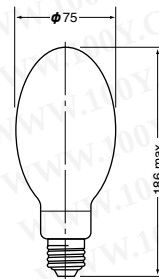


Fig. 7

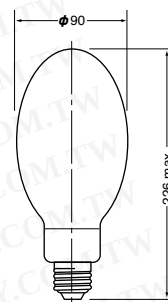


Fig. 8

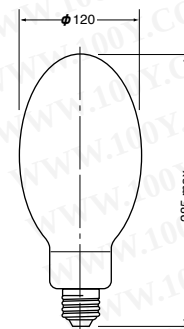


Fig. 9

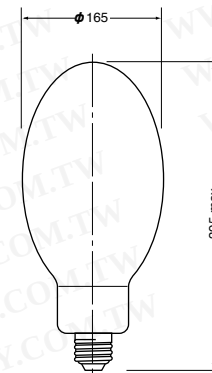


Fig. 10

# EYE Sunlux Super

The EYE Sunlux Super lamp is a high-pressure sodium lamp with high efficiency.

## FEATURES

### 1.High efficiency

Higher luminous efficacy than standard H.P.S. lamps.

### 2. Warmth of colour

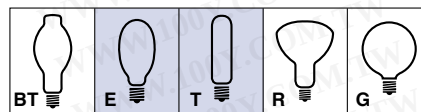
Warm colour in comparison with that of mercury lamps.

## OPERATING INSTRUCTIONS

EYE Sunlux Super lamps operate on standard high-pressure sodium lamp ballasts with external ignitors ( IEC Pub. 60662 ).

## APPLICATIONS

Factory  
Highway  
Sports facility

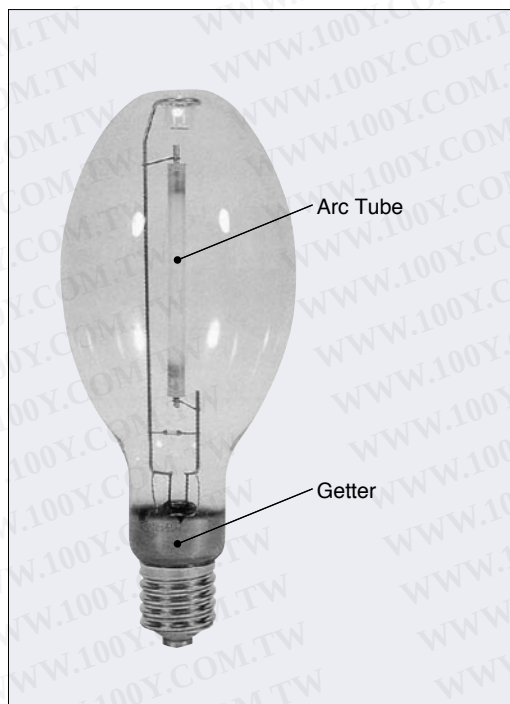


## PHYSICAL DATA AND CHARACTERISTICS

| Type         | Watts (W) | Bulb | Base | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|--------------|-----------|------|------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|              |           |      |      |             |             | Voltage (V) | Current (A) |                             |                      |
| Diffuse Type |           |      |      |             |             |             |             |                             |                      |
| NH100FS      | 100       | E75  | E40  | 186         | —           | 100         | 1.20        | 9500                        | 24000                |
| NH150FS      | 150       | E90  | E40  | 226         | —           | 100         | 1.80        | 15500                       | 24000                |
| NH250FS      | 250       | E90  | E40  | 226         | —           | 100         | 3.00        | 30000                       | 24000                |
| NH400FS      | 400       | E120 | E40  | 285         | —           | 105         | 4.45        | 54000                       | 24000                |
| Clear Type   |           |      |      |             |             |             |             |                             |                      |
| NHT50S       | 50        | T35  | E27  | 156         | 104         | 85          | 0.76        | 4000                        | 16000                |
| NHT70S       | 70        | T35  | E27  | 156         | 104         | 90          | 0.98        | 6500                        | 16000                |
| NHT100S      | 100       | T48  | E40  | 211         | 127         | 100         | 1.20        | 10000                       | 24000                |
| NHT150S      | 150       | T48  | E40  | 211         | 127         | 100         | 1.80        | 16000                       | 24000                |
| NHT250S      | 250       | T48  | E40  | 257         | 153         | 100         | 3.00        | 33000                       | 24000                |
| NHT400S      | 400       | T48  | E40  | 287         | 175         | 100         | 4.60        | 56000                       | 24000                |



## EYE Sunlux®



IWASAKI's most popular high pressure sodium lamps

### FEATURES

#### 1. High Efficiency

Features lamp lumens which are twice as intense as mercury lamps rated at the same wattage

#### 2. Warmth of Colour

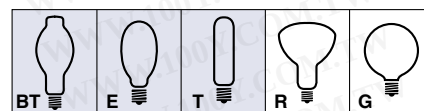
Warm colour in comparison with that of mercury lamps

Colour Temperature : 2100 K

Average Colour Rendition : Ra=25

### OPERATING INSTRUCTIONS

- As no restriction is imposed on the type of wiring cables connecting the ballast and the lamp, any cables including 600 IV cable, F cable, cab type cable, or CV power cable can be used. The wiring distance between the ballast and the lamp is extendible up to 100m (15m maximum for 70W and 6m maximum for : 50W rating lamps).
- Ensure that existing ballasts which are used in conjunction with new types are in good serviceable condition. Ballasts used over a long period may deteriorate and should be replaced as a preventive measure.



### PHYSICAL DATA AND CHARACTERISTICS

#### E & BT Bulb Series

| Type         | Watts (W) | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (ℓm) | Rated Av. Life (hrs) |
|--------------|-----------|-------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|              |           |       |      |                |             |             | Voltage (V) | Current (A) |                             |                      |
| Diffuse Type |           |       |      |                |             |             |             |             |                             |                      |
| NH100F       | 100       | E75   | E40  | 12             | 186         | —           | 100         | 1.20        | 9500                        | 24000                |
| NH150F       | 150       | E90   | E40  | 12             | 226         | —           | 100         | 1.80        | 14000                       | 24000                |
| NH250F       | 250       | E90   | E40  | 12             | 226         | —           | 100         | 3.00        | 25800                       | 24000                |
| NH400F       | 400       | E120  | E40  | 12             | 285         | —           | 105         | 4.45        | 47800                       | 24000                |
| NH700F       | 700       | BT150 | E40  | 6              | 375         | —           | 105         | 7.50        | 84000                       | 24000                |
| NH1000F      | 1000      | BT180 | E40  | 6              | 395         | —           | 110         | 10.30       | 125000                      | 24000                |

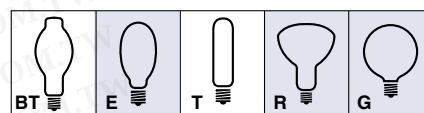
#### Clear Type

|        |      |       |     |    |     |     |     |       |        |       |
|--------|------|-------|-----|----|-----|-----|-----|-------|--------|-------|
| NH100  | 100  | E75   | E40 | 12 | 186 | 127 | 100 | 1.20  | 10000  | 24000 |
| NH150  | 150  | E90   | E40 | 12 | 226 | 146 | 100 | 1.80  | 14500  | 24000 |
| NH250  | 250  | E90   | E40 | 12 | 226 | 146 | 100 | 3.00  | 27500  | 24000 |
| NH400  | 400  | E120  | E40 | 12 | 285 | 185 | 105 | 4.45  | 50000  | 24000 |
| NH700  | 700  | BT150 | E40 | 6  | 375 | 240 | 105 | 7.50  | 88000  | 24000 |
| NH1000 | 1000 | BT180 | E40 | 6  | 395 | 245 | 110 | 10.30 | 133000 | 24000 |

#### T Bulb Series

| Type       | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (ℓm) | Rated Av. Life (hrs) |
|------------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|            |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |                      |
| Clear Type |           |      |      |                |             |             |             |             |                             |                      |
| NHT50      | 50        | T35  | E27  | 24             | 156         | 104         | 85          | 0.76        | 4000                        | 16000                |
| NHT70      | 70        | T35  | E27  | 24             | 156         | 104         | 90          | 0.98        | 6000                        | 16000                |
| NHT100     | 100       | T48  | E40  | 12             | 211         | 127         | 100         | 1.20        | 10000                       | 24000                |
| NHT150     | 150       | T48  | E40  | 12             | 211         | 127         | 100         | 1.80        | 14500                       | 24000                |
| NHT250     | 250       | T48  | E40  | 12             | 257         | 153         | 100         | 3.00        | 27500                       | 24000                |
| NHT400     | 400       | T48  | E40  | 12             | 287         | 175         | 100         | 4.60        | 50000                       | 24000                |
| NHT700     | 700       | T55  | E40  | 12             | 330         | 205         | 105         | 7.50        | 88000                       | 24000                |
| NHT1000    | 1000      | T67  | E40  | 12             | 375         | 240         | 100         | 10.60       | 133000                      | 24000                |
| NHT1000B   | 1000      | T80  | E40  | 12             | 386         | 230         | 250         | 4.70        | 140000                      | 24000                |

Please refer to next page for R, G and E Bulb Series



## PHYSICAL DATA AND CHARACTERISTICS

### R Bulb Series

| Type   | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | Lamp        |             | Beam Lumens (lm)           | Max. Light Intensity (cd) | Rated Av. Life (hrs) |
|--------|-----------|------|------|----------------|-------------|-------------|-------------|----------------------------|---------------------------|----------------------|
|        |           |      |      |                |             | Voltage (V) | Current (A) |                            |                           |                      |
| NHR150 | 150       | R165 | E40  | 6              | 310         | 100         | 1.80        | 0~65° 8500<br>0~90° 9700   | 2200                      | 24000                |
| NHR250 | 250       | R165 | E40  | 6              | 310         | 100         | 3.00        | 0~65° 17400<br>0~90° 19800 | 5500                      | 24000                |
| NHR400 | 400       | R180 | E40  | 6              | 315         | 105         | 4.45        | 0~65° 29800<br>0~90° 33600 | 8600                      | 24000                |

### G Bulb Series

| Type         | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|--------------|-----------|------|------|----------------|-------------|-------------|-------------|-----------------------------|----------------------|
|              |           |      |      |                |             | Voltage (V) | Current (A) |                             |                      |
| Clear Type   |           |      |      |                |             |             |             |                             |                      |
| NHG250       | 250       | G150 | E40  | 6              | 255         | 100         | 3.0         | 27500                       | 24000                |
| Diffuse Type |           |      |      |                |             |             |             |                             |                      |
| NHG250F      | 250       | G150 | E40  | 6              | 255         | 100         | 3.0         | 25800                       | 24000                |

### E70 Bulb Series

| Type           | Watts (W) | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | L.C.L. (mm) | Lamp        |             | Approx. Initial Lumens (lm) | Rated Av. Life (hrs) |
|----------------|-----------|------|------|----------------|-------------|-------------|-------------|-------------|-----------------------------|----------------------|
|                |           |      |      |                |             |             | Voltage (V) | Current (A) |                             |                      |
| Diffuse Type   |           |      |      |                |             |             |             |             |                             |                      |
| NH50F/HV/70S   | 50        | E70  | E27  | 24             | 153         | —           | 85          | 0.76        | 3400                        | 16000                |
| NH50F/N/HV/70S | 50        | E70  | E27  | 24             | 153         | —           | 85          | 0.76        | 3800                        | 16000                |
| NH70F/HV/70S   | 70        | E70  | E27  | 24             | 153         | —           | 90          | 0.98        | 5800                        | 16000                |
| NH70F/N/HV/70S | 70        | E70  | E27  | 24             | 153         | —           | 90          | 0.98        | 5800                        | 16000                |
| Clear Type     |           |      |      |                |             |             |             |             |                             |                      |
| NH50/HV/70S    | 50        | E70  | E27  | 24             | 153         | 98          | 85          | 0.76        | 4000                        | 16000                |
| NH50/N/HV/70S  | 50        | E70  | E27  | 24             | 153         | 98          | 85          | 0.76        | 4000                        | 16000                |
| NH70/HV/70S    | 70        | E70  | E27  | 24             | 153         | 98          | 90          | 0.98        | 6000                        | 16000                |
| NH70/N/HV/70S  | 70        | E70  | E27  | 24             | 153         | 98          | 90          | 0.98        | 6000                        | 16000                |

#### NOTE:

Meaning of symbols

HV: High voltage

S: Soft bulb

H: Hard bulb

N: No external ignitor is required

F: Diffuse bulb

Initial lumens are values after 100 hours of operation

Burning position: Any

⊙ Please refer to page 42 of this catalogue. (NH50F/I & NH70F/I, EYE Ignitron lamps.)

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勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



# Cross Reference Guide

| EYE | PHILIPS | OSRAM | GE | SYLVANIA |
|-----|---------|-------|----|----------|
|-----|---------|-------|----|----------|

## Metal Halide Lamps

|             |  |              |               |                           |
|-------------|--|--------------|---------------|---------------------------|
| M250/BUH    |  |              |               |                           |
| M250/BD     |  |              |               |                           |
| MF250/BUH   |  |              | MBIF250W/BUH  | MS250W/CO/HDR             |
| MF250/BD    |  |              |               |                           |
| MRF250/BU   |  |              |               |                           |
| M400/BUH    |  |              | MBI400W/BU    |                           |
| M400/BD     |  |              |               |                           |
| MF400/BUH   |  |              | MBIF400W/BU H | MS400W/CO/HDR             |
| MF400/BD    |  |              |               |                           |
| MRF400/BU   |  |              |               |                           |
| M700/BUH    |  |              |               |                           |
| M700/BD     |  |              |               |                           |
| MF700/BUH   |  |              |               |                           |
| MF700/BD    |  |              |               |                           |
| M1000A/BUH  |  |              |               |                           |
| M1000A/BD   |  |              |               |                           |
| MF1000A/BUH |  | HQI-E1000W/N |               |                           |
| MF1000A/BD  |  |              |               |                           |
| M1000B/BUH  |  |              | MBI1000W/U    | MS1000/BU                 |
| M1000B/BD   |  |              |               | MS1000/BD                 |
| MF1000B/BUH |  |              | MBIF1000W/U   | MS1000/C/BU               |
| MF1000B/BD  |  |              |               | MS1000/C/BD               |
| MRF1000B/BU |  |              |               |                           |
| M1500B/BUH  |  |              | MV1500/HBU/E  | MS1500/ <sup>HOR</sup> BU |
| M1500B/BD   |  |              | MV1500/HBD/E  | MS1500/BD                 |
| MF1500B/BUH |  |              |               |                           |
| MF1500B/BD  |  |              |               |                           |
| M2000B/BUH  |  |              |               |                           |
| M2000B/BD   |  |              |               |                           |
| MF2000B/BUH |  |              |               |                           |
| MF2000B/BD  |  |              |               |                           |

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2)No responsibility for error or omissions

3)Although our lamps and those of other companies may be similar, they are not necessarily interchangeable.



| EYE           | PHILIPS           | OSRAM        | GE        | SYLVANIA           |
|---------------|-------------------|--------------|-----------|--------------------|
| MT125/BUH     |                   |              |           |                    |
| MT250/BH      | HPI-T250W         |              | MQI-T250W | MBI250/T           |
| MT400/BH      | HPI-T400W         |              | MQI-T400W | KRC400/T/H/960/E40 |
| MT250DL       |                   |              |           |                    |
| MT400DL/BUD   |                   |              |           |                    |
| MT1000A-BH/67 | HPI-T1000W        |              |           | HSI-T 1000W        |
| MT1000B-BH-N  |                   |              |           |                    |
| MT2000B-BH-N  | HPI-T2000W/415V   |              |           |                    |
| MT2000B-BH-L  |                   | HQI-T2000W/N |           |                    |
| MT3500B-BH-N  |                   |              |           |                    |
| M100LE/BU     |                   |              |           |                    |
| M100LE/BD     |                   |              |           |                    |
| MF100LE/BU    |                   |              |           |                    |
| MF100LE/BD    |                   |              |           |                    |
| M125LE/BUH    |                   |              |           |                    |
| M125LE/BD     |                   |              |           |                    |
| MF125LE/BUH   |                   |              |           |                    |
| MF125LE/BD    |                   |              |           |                    |
| M250LE/BUH    |                   |              |           |                    |
| M250LE/BD     |                   |              |           |                    |
| MF250LE/BUH   |                   |              |           |                    |
| MF250LE/BD    |                   |              |           |                    |
| M400LE/BUH    |                   |              |           |                    |
| M400LE/BD     |                   |              |           |                    |
| MF400LE/BUH   | HPI PLUS 400W BUS |              |           |                    |
| MF400LE/BD    |                   |              |           |                    |
| M700LE/BUH    |                   |              |           |                    |
| M700LE/BD     |                   |              |           |                    |
| MF700LE/BUH   |                   |              |           |                    |
| MF700LE/BD    |                   |              |           |                    |
| M1000LE/BUH   |                   |              |           |                    |
| M1000LE/BD    |                   |              |           |                    |
| MF1000LE/BUH  |                   |              |           |                    |
| MF1000LE/BD   |                   |              |           |                    |

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## Cross Reference Guide

| EYE | PHILIPS | OSRAM | GE | SYLVANIA |
|-----|---------|-------|----|----------|
|-----|---------|-------|----|----------|

## High Pressure Sodium Lamps

|          |            |            |            |                 |               |
|----------|------------|------------|------------|-----------------|---------------|
| NH100    |            |            |            |                 |               |
| NH150    |            |            |            |                 |               |
| NH250    |            |            |            |                 |               |
| NH400    |            |            |            |                 |               |
| NH700    |            |            |            |                 |               |
| NH1000   |            |            |            |                 |               |
| NH100F   | SON100W    | NAV-E100W  | SON100W    |                 | SHP100/40     |
| NH150F   | SON150W    | NAV-E150W  | SON150W    |                 | SHP150W       |
| NH250F   | SON250W    | NAV-E250W  | SON250W    | LU250/D/40      | SHP250W       |
| NH400F   | SON400W    | NAV-E400W  | SON400W    | LU400/D/40      | SHP400W       |
| NH700F   |            |            |            |                 |               |
| NH1000F  | SON1000W   | NAV-E1000W | SON1000W   | LU1000/110/D/40 |               |
| NHR150   |            |            |            |                 |               |
| NHR250   |            |            |            |                 | SHP-R/250     |
| NHR400   |            |            |            |                 |               |
| NHT70    | SON-T70W   | NAV-T70W/E | SON-T70W   | LU70/90/T12/27  | SHP-T/70/CL/E |
| NHT100   | SON-T100W  | NAV-T100W  | SON-T100W  | LU100/100/T/40  | SHP-T/100/40  |
| NHT150   | SON-T150W  | NAV-T150W  | SON-T150W  | LU150/100/40    | SHP-T150W     |
| NHT250   | SON-T250W  | NAV-T250W  | SON-T250W  | LU250/T/40      | SHP-T250W     |
| NHT400   | SON-T400W  | NAV-T400W  | SON-T400W  | LU400/T/40      | SHP-T400W     |
| NHT700   |            |            |            |                 |               |
| NHT1000  | SON-T1000W | NAV-T1000W | SON-T1000W | LU1000/110/T/40 | SHP-T1000W    |
| NHT1000B |            |            |            |                 |               |

|                   |                |            |        |                |                 |
|-------------------|----------------|------------|--------|----------------|-----------------|
| NH50/NHV/70S (H)  | SON50W-I CLEAR |            |        | LU50/90/I/27   | SHP50/CL/I      |
| NH50F/NHV/70S (H) | SON50W-I       | NAV-E50W/I |        | LU50/90/D/I/27 | SHP50/CO/I      |
| NH50/HV/70S (H)   |                |            |        |                | SHP50/CL/E      |
| NH50F/HV/70S (H)  | SON50W-E       | NAV-50W/E  | SON50W | LU50/90/D/27   | SHP50/CO/E      |
| NH70/NHV/70S (H)  | SON70W-I CLEAR |            |        | LU70/90/I/27   | SHP70/CL/I      |
| NH70F/NHV/70S (H) | SON70W-I       | NAV-E70W/I |        | LU70/90/D/I/27 | SHP70/CO/I      |
| NH70/HV/70S (H)   |                |            |        | LU70/90/27     | SHP70CL/E       |
| NH70F/HV/70S (H)  | SON70W-E       | NAV-E70W/E | SON70W | LU70/90/D/27   | SHP70CO/ET1000W |

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# HIGH INTENSITY DISCHARGE LAMPS



| EYE             | PHILIPS   | OSRAM     | GE          |                | SYLVANIA        |
|-----------------|-----------|-----------|-------------|----------------|-----------------|
| NH150FDX/PN     |           |           | SONDL-E150W | LU150/CL/E     | SHP150W-HCRI    |
| NH250FDX/PN     |           |           | SONDL-E250W | LU250/CL/E     | SHP250W-HCRI(*) |
| NH400FDX/PN     |           |           | SONDL-E400W | LU400/CL/E     | SHP400W-HCRI(*) |
| NHR150DX/PN     |           |           |             |                |                 |
| NHR250DX/PN     |           |           |             |                |                 |
| NHR400DX/PN     |           |           |             |                |                 |
|                 |           |           |             |                |                 |
| NH75/LX/70S(H)  |           |           |             |                |                 |
| NH110LX         |           |           |             |                |                 |
| NH220LX         |           |           |             |                |                 |
| NH270LX         |           |           |             | LUH215/EZ      |                 |
| NH360LX         |           |           |             |                |                 |
| NH660LX         |           |           |             |                |                 |
| NH940LX         |           |           |             |                |                 |
| NH75F/LX/70S(H) |           |           |             |                |                 |
| NH110FLX        | SON-H110W | NAV-E110W | SON-H110W   | LUH110/D/27    | SHX110W         |
| NH150FLX        |           |           |             |                |                 |
| NH220FLX        | SON-H220W | NAV-E210W | SON-H210W   | LUH215/D/EZ/40 | SHX210W         |
| NH270FLX        |           |           |             |                |                 |
| NH360FLX        | SON-H350W | NAV-E350W | SON-H350W   |                | SHX350W         |
| NH660FLX        |           |           |             |                |                 |
| NH940FLX        |           |           |             |                |                 |

\*Disparity in lumen output

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## Cross Reference Guide

| EYE | PHILIPS | OSRAM | GE | SYLVANIA |
|-----|---------|-------|----|----------|
|-----|---------|-------|----|----------|

## Mercury Lamps

|           |  |  |          |  |
|-----------|--|--|----------|--|
| H40 soft  |  |  |          |  |
| H50 soft  |  |  | H50/27   |  |
| H80 soft  |  |  | H80/27   |  |
| H100 soft |  |  | HR100A38 |  |
| H125 soft |  |  | H125/27  |  |
| H175      |  |  | HR175A39 |  |
| H200      |  |  |          |  |
| H250      |  |  | H250/40  |  |
| H300      |  |  |          |  |
| H400      |  |  | H400/40  |  |
| H700      |  |  | H700/40  |  |
| H1000     |  |  | H1000/40 |  |
| H1000B    |  |  | H1000A36 |  |
| H2000B    |  |  |          |  |

|              |            |          |          |                |             |
|--------------|------------|----------|----------|----------------|-------------|
| HF40PD soft  |            |          |          | HR40/50DX45-46 |             |
| HF50PD soft  | HPL-N50W   | HQL50W   | MBF50W   | HR40/50DX45-46 | HSL-BW50W   |
| HF80PD soft  | HPL-N80W   | HQL80W   | MBF80W   |                | HSL-BW80W   |
| HF100PD soft |            |          |          | HR100DX38      |             |
| HF125PD soft | HPL-N125W  | HQL125W  | MBF125W  |                | HSL-BW125W  |
| HF175PD      | HPL-N175W  |          |          | HR175DX39      |             |
| HF200PD      |            |          |          |                |             |
| HF250PD      | HPL-N250W  | HQL250W  | MBF250W  | HR250DX37/40   | HSL-BW250W  |
| HF300PD      |            |          |          |                |             |
| HF400PD      | HPL-N400W  | HQL400W  | MBF400W  | HR400DX33/40   | HSL-BW400W  |
| HF700PD      | HPL-N700W  | HQL700W  | MBF700W  | HR700DX35      | HSL-BW700W  |
| HF1000PD     | HPL-N1000W | HQL1000W | MBF1000W | HR100DX34      | HSL-BW1000W |
| HF1000B-PD   |            |          |          | HR100DX36      |             |
| HF2000B-PD   | HPL-N2000W |          |          |                |             |

|                        |                       |                      |                      |              |                        |
|------------------------|-----------------------|----------------------|----------------------|--------------|------------------------|
| HRF80PD                |                       |                      |                      |              |                        |
| HRF100PD 127*<br>200** |                       |                      |                      | HR100RDXFL38 |                        |
| HRF125PD 127<br>200    | HPLR125W 127<br>187   |                      |                      |              |                        |
| HRF200PD 166<br>310    |                       |                      |                      |              |                        |
| HRF250PD 166<br>310    | HPLR250W 162.5<br>259 | HQL-R250W 165<br>260 | MBFR250W 166<br>260  | H250R        | HSR-BW 250W 165<br>260 |
| HRF300PD 166<br>310    |                       |                      |                      |              |                        |
| HRF400PD 181<br>320    | HPLR400W 178.5<br>299 | HQL-R400W 180<br>300 | MBFR400W 181<br>300  | H400R        | HSR-BW 400W 180<br>300 |
| HRF700PD 282<br>415    | HPLR700W 202<br>327   |                      | MBFR700W 202<br>328  | H700R        |                        |
| HRF1000PD 282<br>415   | HPLR1000W 219<br>382  |                      | MBFR1000W 221<br>380 | H1000R       |                        |
| HRF1000B-PD            |                       |                      |                      |              |                        |

\* upper: Max dia.

\*\* down: Max length

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# EYE DICHR0-COOL<sup>®</sup> HALOGEN Lamps-low Volts, MR8/CG, Cover Glass Series



## FEATURES

1. Displayed goods appear bright and vivid
2. Conserves energy and has high candle power
3. Less temperature rise on irradiated surface
4. Uniform colour on irradiated surface
5. Compact size

## GENERAL LIGHTING

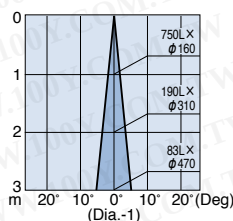
| Model No. | Rated voltage(V) | Watts (W) | Base | Axis Cd (cd) | Beam angle (°) | Colour Temp.(K) | Rated Av. Life (hrs) | Beam Circle Diagram No. |
|-----------|------------------|-----------|------|--------------|----------------|-----------------|----------------------|-------------------------|
| JM8051    | 6                | 10        | GZ4  | 750          | 9 / Narrow     | 2950            | 2000                 | 1                       |
| JM8251    | 12               | 20        | GZ4  | 1700         | 10 / Narrow    | 3050            | 2000                 | 2                       |
| JM8252    | 12               | 20        | GZ4  | 800          | 23 / Wide      | 3050            | 2000                 | 3                       |
| JM8351    | 12               | 35        | GZ4  | 2300         | 13 / Narrow    | 3050            | 2000                 | 4                       |
| JM8352    | 12               | 35        | GZ4  | 1400         | 26 / Wide      | 3050            | 2000                 | 5                       |

### POPULAR TYPE (NEW)

|        |    |    |     |      |             |      |      |   |
|--------|----|----|-----|------|-------------|------|------|---|
| JM8231 | 12 | 20 | GU4 | 1400 | 10 / Narrow | 2950 | 2000 | 6 |
| JM8232 | 12 | 20 | GU4 | 700  | 21 / Wide   | 2950 | 2000 | 7 |
| JM8331 | 12 | 35 | GU4 | 2000 | 12 / Narrow | 3050 | 2000 | 8 |
| JM8332 | 12 | 35 | GU4 | 1300 | 24 / Wide   | 3050 | 2000 | 9 |

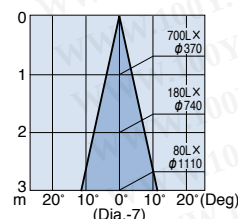
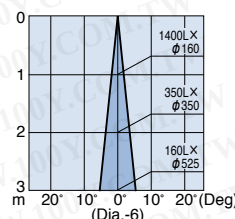
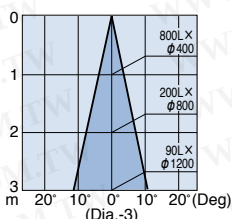
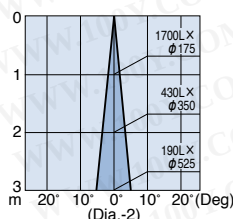
## 50%BEAM CIRCLE AT DISTANCE 1 METRE (φmm)

10W

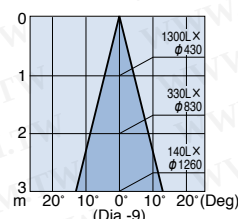
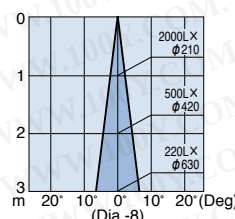
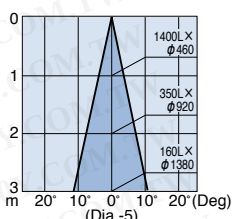
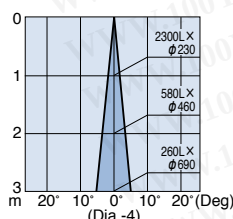


POPULAR TYPE (NEW)

20W



35W



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# EYE DICHRO-COOL® HALOGEN Lamps-low Volts, MR16 and MR11



## FEATURES

### 1. LONGER LIFE

For MR16, 4000 - 5000Hrs/35 - 75W, 4000Hrs/20W

### 2. HIGHER PERFORMANCE.

MAX 17.5% UP\* centre Cd POWER

### 3. WIDE VARIATION

\*Comparison figures are all our products.

**IWASAKI DICHRO-COOL MR16 are manufactured by fully automatic machines in our plant.**

The superior performance is realized by a line of machines automating the process from filament coiling to packaging.

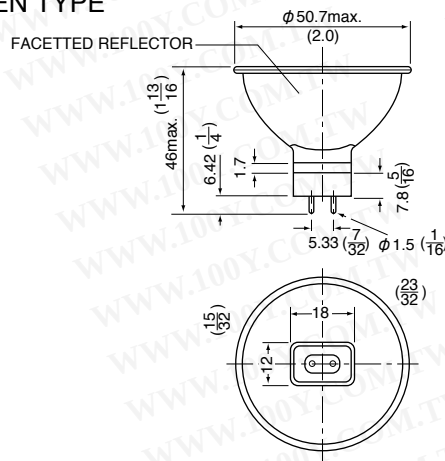
Each manufacturing process is computer controlled for excellent quality.

## Wide Variation of EYE MR16 and MR11

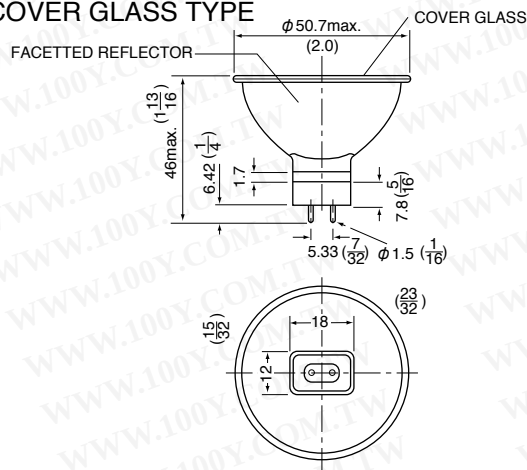
|       | Neodymium series | UV-Cut series | 24V Cover glass series | 12V Open series | 12V Cover glass series |
|-------|------------------|---------------|------------------------|-----------------|------------------------|
| MR-16 | ○                | ○             | ○                      | ○               | ○                      |
| MR-11 | —                | —             | ○                      | ○               | ○                      |
| MR-8  | —                | —             | —                      | —               | ○                      |

## DIMENSIONS OF MR16 unit ; mm (inch)

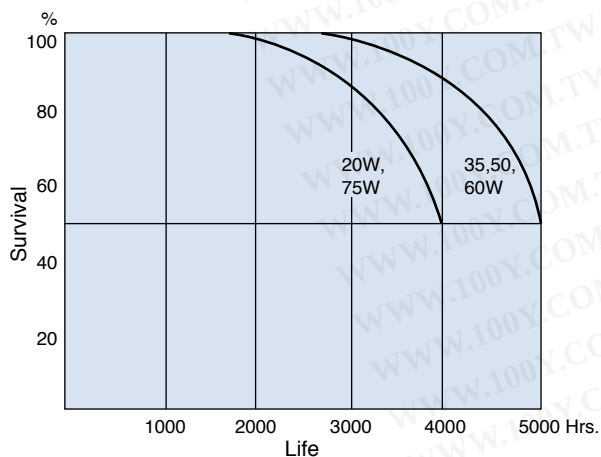
### OPEN TYPE



### COVER GLASS TYPE



## LAMP MORTALITY



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These curves are typical MR16's characteristics of IWASAKI lamps.  
(source ; IWASAKI laboratory deta.)

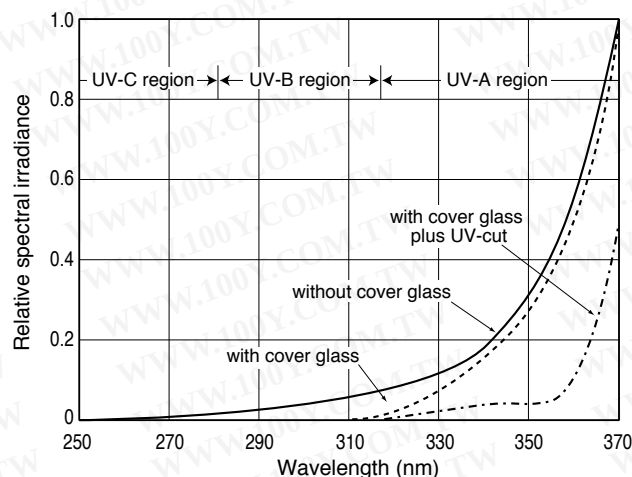


# EYE DICHRO-COOL® HALOGEN Lamps-low Volts, MR16 and MR11

## MR16 UV-Cut Cover Glass Series

Allows the lighting of UV-sensitive objects and materials such as fine art, fabrics and so on by greatly reducing UV-A radiation.

### UV SPECTRAL IRRADIANCE OF MR-16 LAMPS



### PHYSICAL DATA AND CHARACTERISTICS

| Type       | Ref. ANSI | Volts (V) | Watts (W) | Base  | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Rated Av. Life (hrs) |
|------------|-----------|-----------|-----------|-------|----------------|--------------|----------------|----------------------|
| JR5251.000 | ESX       | 12        | 20        | GU5.3 | 12             | 4000         | 12             | 4000                 |
| JR5253.000 | BAB       | 12        | 20        | GU5.3 | 12             | 500          | 38             | 4000                 |
| JR5351.000 | FRB       | 12        | 35        | GU5.3 | 12             | 7600         | 12             | 5000                 |
| JR5352.000 | FRA       | 12        | 35        | GU5.3 | 12             | 2300         | 23             | 5000                 |
| JR5353.000 | FMW       | 12        | 35        | GU5.3 | 12             | 1100         | 38             | 5000                 |
| JR5551.000 | EXT       | 12        | 50        | GU5.3 | 12             | 9800         | 13             | 5000                 |
| JR5552.000 | EXZ       | 12        | 50        | GU5.3 | 12             | 3200         | 26             | 5000                 |
| JR5553.000 | ENL       | 12        | 50        | GU5.3 | 12             | 2250         | 32             | 5000                 |
| JR5554.000 | EXN       | 12        | 50        | GU5.3 | 12             | 1600         | 38             | 5000                 |
| JR5566.000 | FNV       | 12        | 50        | GU5.3 | 12             | 700          | 56             | 5000                 |
| JR6651.000 | FPA       | 12        | 65        | GU5.3 | 12             | 12000        | 13             | 5000                 |
| JR6652.000 | FPC       | 12        | 65        | GU5.3 | 12             | 4100         | 26             | 5000                 |
| JR6653.000 | FPB       | 12        | 65        | GU5.3 | 12             | 2100         | 38             | 5000                 |

## MR16 10000 hrs Long Life Halogen

### 12V Dichroic Reflector 2-Pin Base - GU5.3 with Cover Glass

| Type   | Ref. ANSI | Volts (V) | Watts (W) | Base  | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Rated Av. Life (hrs) |
|--------|-----------|-----------|-----------|-------|----------------|--------------|----------------|----------------------|
| JR8351 | FRB       | 12        | 35        | GU5.3 | 12             | 7400         | 12             | 10000                |
| JR8353 | FMW       | 12        | 35        | GU5.3 | 12             | 1100         | 36             | 10000                |
| JR8551 | EXT       | 12        | 50        | GU5.3 | 12             | 9500         | 12             | 10000                |
| JR8553 | EXN       | 12        | 50        | GU5.3 | 12             | 1650         | 38             | 10000                |

## MR16 24V Cover Glass Series

Low power consumption

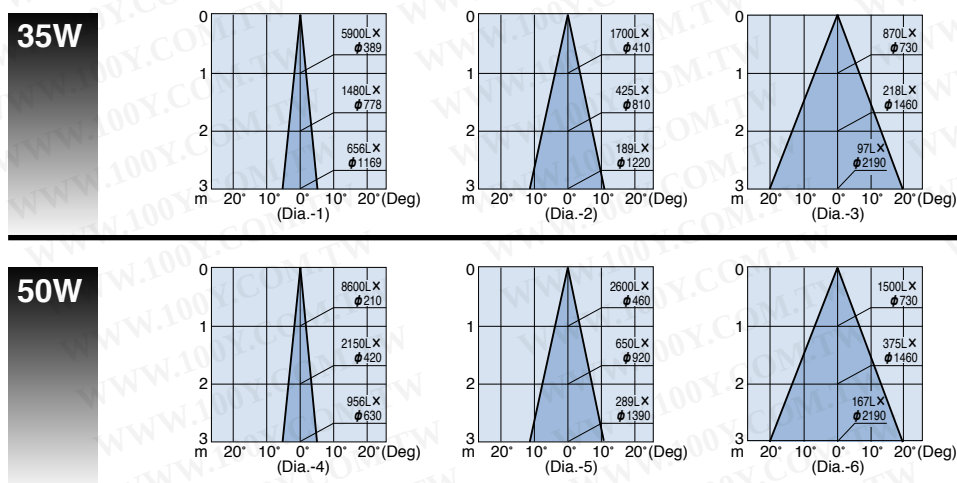
Wide application range

Boat cabin, Aircraft, Bus, Etc.

### PHYSICAL DATA AND CHARACTERISTICS

| Type       | Ref. ANSI | Volts (V) | Watts (W) | Base  | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Rated Av. Life (hrs) | Beam Circle Diagram No. |
|------------|-----------|-----------|-----------|-------|----------------|--------------|----------------|----------------------|-------------------------|
| JR7351.000 | FRB       | 24        | 35        | GU5.3 | 12             | 5900         | 11             | 4000                 | 1                       |
| JR7352.000 | FRA       | 24        | 35        | GU5.3 | 12             | 1700         | 23             | 4000                 | 2                       |
| JR7353.000 | FMW       | 24        | 35        | GU5.3 | 12             | 870          | 40             | 4000                 | 3                       |
| JR7551.000 | EXT       | 24        | 50        | GU5.3 | 12             | 8600         | 12             | 4000                 | 4                       |
| JR7552.000 | EXZ       | 24        | 50        | GU5.3 | 12             | 2600         | 26             | 4000                 | 5                       |
| JR7553.000 | EXN       | 24        | 50        | GU5.3 | 12             | 1500         | 40             | 4000                 | 6                       |

### 50%BEAM CIRCLE AT DISTANCE 1 METRE ( $\phi$ :mm)



## Anti-Vibration Type MR16 24V Cover Glass

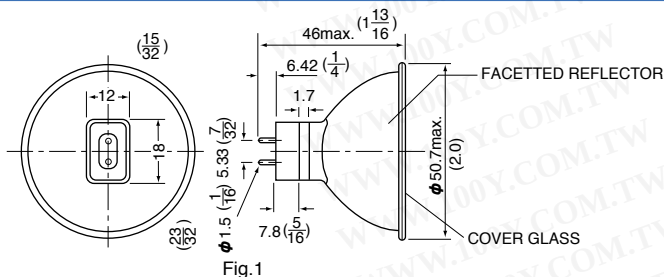
Strong against vibrations and shocks thanks to reinforced filament construction

### PHYSICAL DATA AND CHARACTERISTICS

| Type       | Ref. ANSI | Volts (V) | Watts (W) | Base  | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Colour Temp. | Rated Av. Life (hrs) | Fig. No. |
|------------|-----------|-----------|-----------|-------|----------------|--------------|----------------|--------------|----------------------|----------|
| JR7583.000 | —         | 24        | 50        | GU5.3 | 12             | 850          | 36             | 3000         | 4000*                | 1        |

\*The rated average life is for general lighting applications. The life may vary, depending on vibration and shock condition.

### DIMENSIONS OF MR16 unit ; mm (inch)





## GENERAL LIGHTING HALOGEN LAMPS

# EYE DICHRO-COOL® HALOGEN Lamps-low Volts, MR16 and MR11

## MR11 24V Cover Glass Series

### Low power consumption

### Wide application range

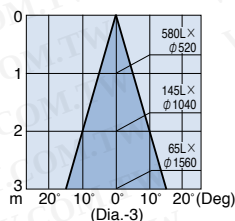
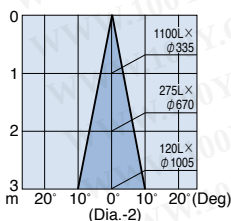
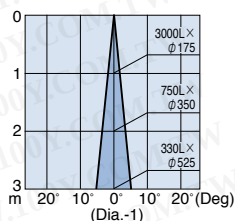
Boat cabin  
Aircraft  
Bus  
Etc.

## PHYSICAL DATA AND CHARACTERISTICS

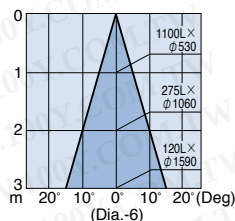
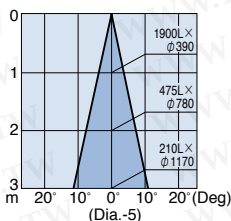
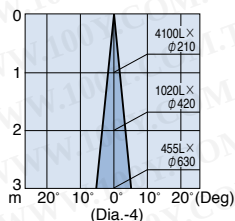
| Type       | Ref. ANSI | Volts (V) | Watts (W) | Base | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Rated Av. Life (hrs) | Beam Circle Diagram No. |
|------------|-----------|-----------|-----------|------|----------------|--------------|----------------|----------------------|-------------------------|
| JM7261.000 | FTB       | 24        | 20        | GZ4  | 50             | 3000         | 10             | 2000                 | 1                       |
| JM7262.000 | FTC       | 24        | 20        | GZ4  | 50             | 1100         | 19             | 2000                 | 2                       |
| JM7263.000 | FTD       | 24        | 20        | GZ4  | 50             | 580          | 29             | 2000                 | 3                       |
| JM7361.000 | FTE       | 24        | 35        | GZ4  | 50             | 4100         | 12             | 2000                 | 4                       |
| JM7362.000 | FTF       | 24        | 35        | GZ4  | 50             | 1900         | 20             | 2000                 | 5                       |
| JM7363.000 | FTH       | 24        | 35        | GZ4  | 50             | 1100         | 30             | 2000                 | 6                       |

## 50%BEAM CIRCLE AT DISTANCE 1 METRE ( $\phi$ :mm)

20W

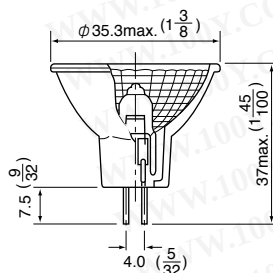


35W

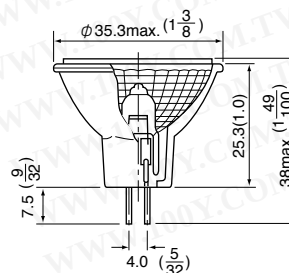


## DIMENSIONS OF MR11 UNIT ; mm (inch)

### OPEN TYPE



### COVER GLASS TYPE



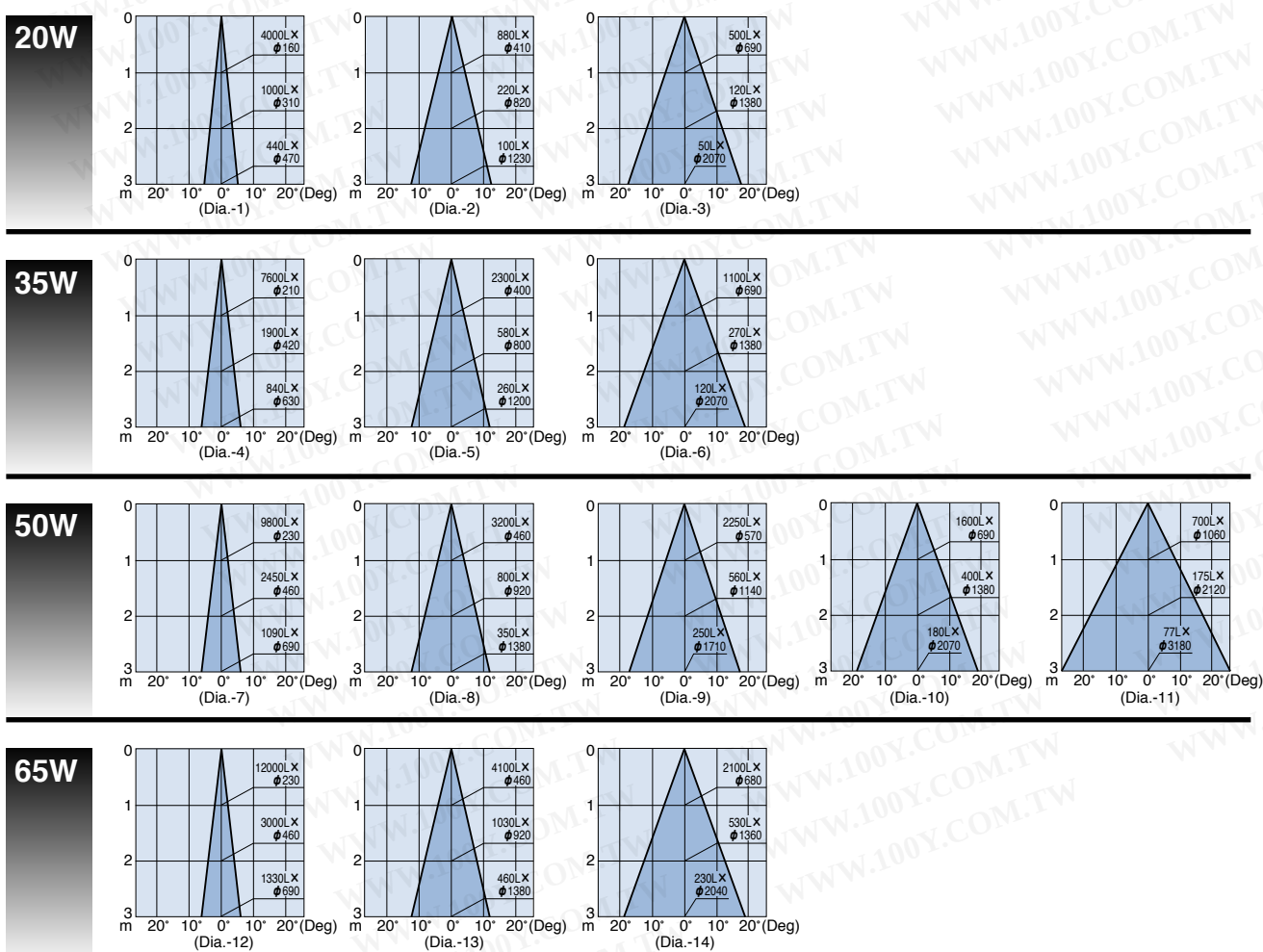
## MR16 12V Cover Glass Series

### PHYSICAL DATA AND CHARACTERISTICS

| Type       | Ref. ANSI | Volts (V) | Watts (W) | Base  | Std. Pkg. Qty. | Axis Cd (cd) | Colour Temp. (k) | Beam angle (°) | Rated Av. Life (hrs) | Beam Circle Diagram No. |
|------------|-----------|-----------|-----------|-------|----------------|--------------|------------------|----------------|----------------------|-------------------------|
| JR1251.000 | ESX       | 12        | 20        | GU5.3 | 12             | 4000         | 2950             | 9              | 4000                 | 1                       |
| JR1252.000 | BBF       | 12        | 20        | GU5.3 | 12             | 880          | 2950             | 23             | 4000                 | 2                       |
| JR1253.000 | BAB       | 12        | 20        | GU5.3 | 12             | 500          | 2950             | 38             | 4000                 | 3                       |
| JR1351.000 | FRB       | 12        | 35        | GU5.3 | 12             | 7600         | 3050             | 12             | 5000                 | 4                       |
| JR1352.000 | FRA       | 12        | 35        | GU5.3 | 12             | 2300         | 3050             | 23             | 5000                 | 5                       |
| JR1353.000 | FMW       | 12        | 35        | GU5.3 | 12             | 1100         | 3050             | 38             | 5000                 | 6                       |
| JR1551.000 | EXT       | 12        | 50        | GU5.3 | 12             | 9800         | 3050             | 13             | 5000                 | 7                       |
| JR1552.000 | EXZ       | 12        | 50        | GU5.3 | 12             | 3200         | 3050             | 26             | 5000                 | 8                       |
| JR1553.000 | ENL       | 12        | 50        | GU5.3 | 12             | 2250         | 3050             | 32             | 5000                 | 9                       |
| JR1554.000 | EXN       | 12        | 50        | GU5.3 | 12             | 1600         | 3050             | 38             | 5000                 | 10                      |
| JR1566.000 | FNV       | 12        | 50        | GU5.3 | 12             | 700          | 3050             | 56             | 5000                 | 11                      |
| JR2651.000 | FPA       | 12        | 65        | GU5.3 | 12             | 12000        | 3050             | 13             | 5000                 | 12                      |
| JR2652.000 | FPC       | 12        | 65        | GU5.3 | 12             | 4100         | 3050             | 26             | 5000                 | 13                      |
| JR2653.000 | FPB       | 12        | 65        | GU5.3 | 12             | 2100         | 3050             | 38             | 5000                 | 14                      |

※DC bayonet base is also available.

### 50%BEAM CIRCLE AT DISTANCE 1 METRE ( $\phi$ :mm)



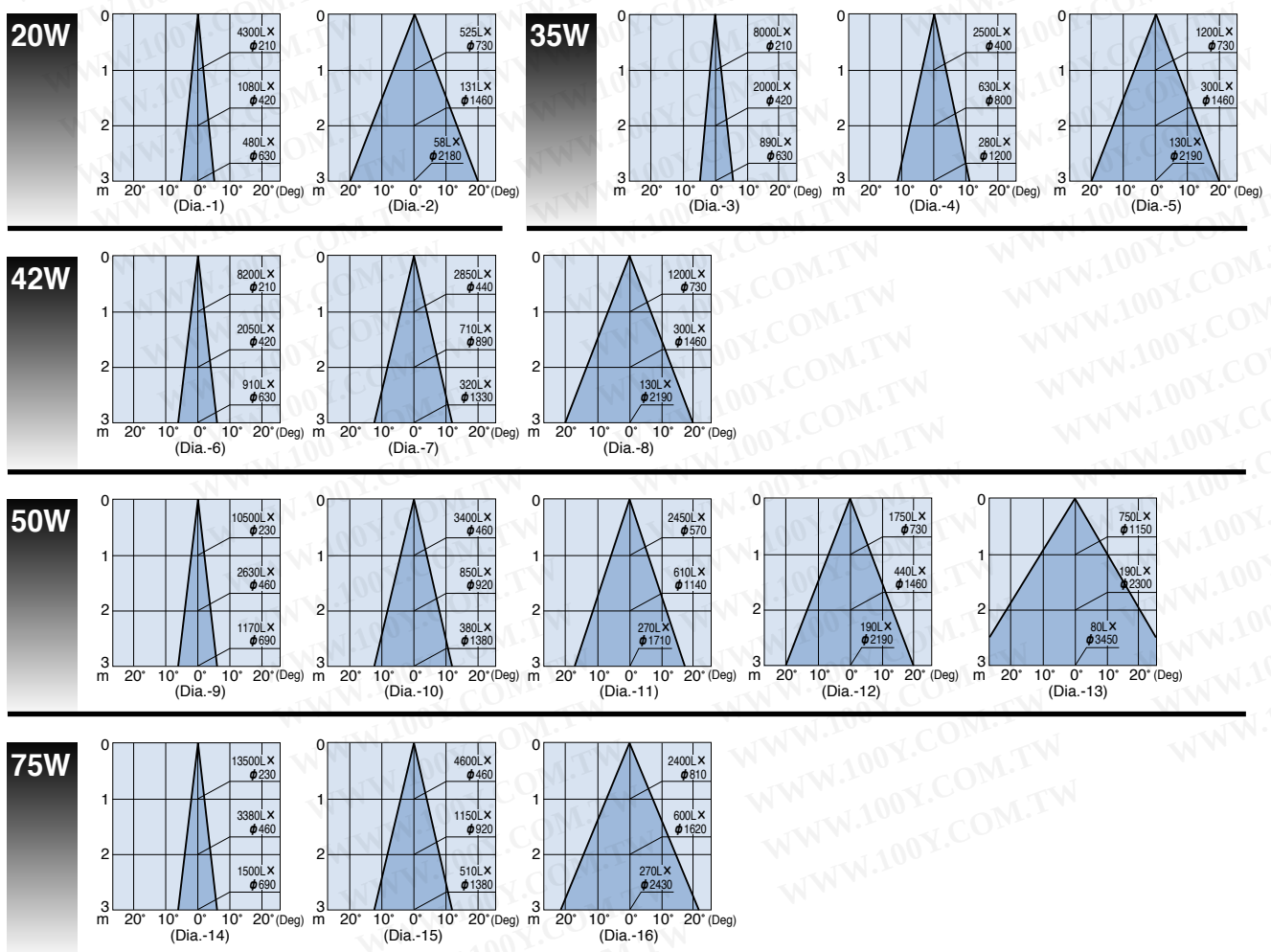
EYE DICHRO-COOL® HALOGEN Lamps-low Volts,  
MR16 and MR11

## MR16 12V Open Type Series

## PHYSICAL DATA AND CHARACTERISTICS

| Type       | Ref. ANSI | Volts (V) | Watts (W) | Base  | Std. Pkg. Qty. | Axis Cd (cd) | Colour Temp. (k) | Beam angle (°) | Rated Av. Life (hrs) | Beam Circle Diagram No. |
|------------|-----------|-----------|-----------|-------|----------------|--------------|------------------|----------------|----------------------|-------------------------|
| JR1201.000 | ESX       | 12        | 20        | GU5.3 | 12             | 4300         | 2950             | 12             | 4000                 | 1                       |
| JR1203.000 | BAB       | 12        | 20        | GU5.3 | 12             | 525          | 2950             | 40             | 4000                 | 2                       |
| JR1301.000 | FRB       | 12        | 35        | GU5.3 | 12             | 8000         | 3050             | 12             | 5000                 | 3                       |
| JR1302.000 | FRA       | 12        | 35        | GU5.3 | 12             | 2500         | 3050             | 23             | 5000                 | 4                       |
| JR1303.000 | FMW       | 12        | 35        | GU5.3 | 12             | 1200         | 3050             | 40             | 5000                 | 5                       |
| JR1401.000 | EYR       | 12        | 42        | GU5.3 | 12             | 8200         | 3050             | 12             | 5000                 | 6                       |
| JR1402.000 | EYS       | 12        | 42        | GU5.3 | 12             | 2850         | 3050             | 25             | 5000                 | 7                       |
| JR1403.000 | EYP       | 12        | 42        | GU5.3 | 12             | 1200         | 3050             | 40             | 5000                 | 8                       |
| JR1501.000 | EXT       | 12        | 50        | GU5.3 | 12             | 10500        | 3050             | 13             | 5000                 | 9                       |
| JR1502.000 | EXZ       | 12        | 50        | GU5.3 | 12             | 3400         | 3050             | 26             | 5000                 | 10                      |
| JR1503.000 | ENL       | 12        | 50        | GU5.3 | 12             | 2450         | 3050             | 32             | 5000                 | 11                      |
| JR1504.000 | EXN       | 12        | 50        | GU5.3 | 12             | 1750         | 3050             | 40             | 5000                 | 12                      |
| JR1516.000 | FNV       | 12        | 50        | GU5.3 | 12             | 750          | 3050             | 60             | 5000                 | 13                      |
| JR2701.000 | EYF       | 12        | 75        | GU5.3 | 12             | 13500        | 3050             | 13             | 4000                 | 14                      |
| JR2702.000 | EYJ       | 12        | 75        | GU5.3 | 12             | 4600         | 3050             | 26             | 4000                 | 15                      |
| JR2703.000 | EYC       | 12        | 75        | GU5.3 | 12             | 2400         | 3050             | 44             | 4000                 | 16                      |

## 50%BEAM CIRCLE AT DISTANCE 1 METRE (φ:mm)

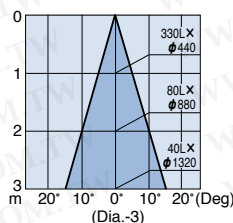
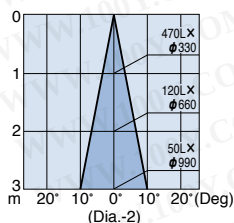
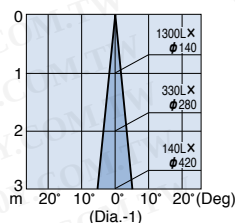
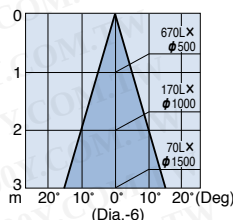
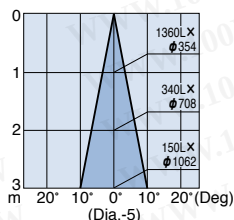
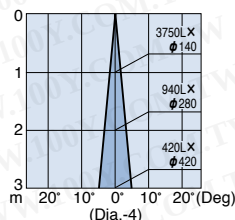
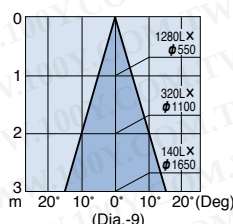
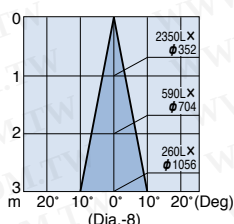
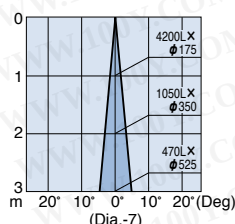


## MR11 12V Cover Glass Series

### PHYSICAL DATA AND CHARACTERISTICS

| Type   | Ref. ANSI | Volts (V) | Watts (W) | Base | Std. Pkg. Qty. | Axis Cd (cd) | Colour Temp. (k) | Beam angle (°) | Rated Av. Life (hrs) | Beam Circle Diagram No. |
|--------|-----------|-----------|-----------|------|----------------|--------------|------------------|----------------|----------------------|-------------------------|
| JM1161 | FTA       | 12        | 12        | GZ4  | 50             | 1300         | 2900             | 8              | 2000                 | 1                       |
| JM1162 | —         | 12        | 12        | GZ4  | 50             | 470          | 2900             | 19             | 2000                 | 2                       |
| JM1163 | —         | 12        | 12        | GZ4  | 50             | 330          | 2900             | 25             | 2000                 | 3                       |
| JM1261 | FTB       | 12        | 20        | GZ4  | 50             | 3750         | 2950             | 8              | 2000                 | 4                       |
| JM1262 | FTC       | 12        | 20        | GZ4  | 50             | 1360         | 2950             | 19             | 2000                 | 5                       |
| JM1263 | FTD       | 12        | 20        | GZ4  | 50             | 670          | 2950             | 28             | 2000                 | 6                       |
| JM1361 | FTE       | 12        | 35        | GZ4  | 50             | 4200         | 3050             | 10             | 3000                 | 7                       |
| JM1362 | FTF       | 12        | 35        | GZ4  | 50             | 2350         | 3050             | 20             | 3000                 | 8                       |
| JM1363 | FTH       | 12        | 35        | GZ4  | 50             | 1280         | 3050             | 29             | 3000                 | 9                       |

### 50%BEAM CIRCLE AT DISTANCE 1 METRE ( $\phi$ :mm)

**12W**

**20W**

**35W**

**HALOGEN**

勝特力材料 886-3-5753170  
 勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

EYE DICHRO-COOL® HALOGEN Lamps-low Volts,  
MR16 and MR11

## MR11 12V Open Type Series

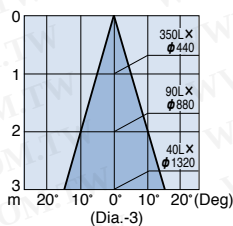
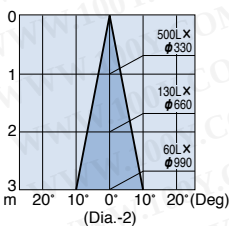
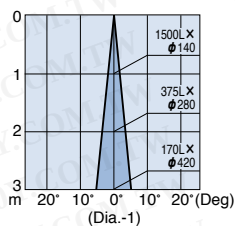
## PHYSICAL DATA AND CHARACTERISTICS

| Type   | Ref. ANSI | Volts (V) | Watts (W) | Base | Std. Pkg. Qty. | Axis Cd (cd) | Colour Temp. (k) | Beam angle (°) | Rated Av. Life (hrs) | Beam Circle Diagram No. |
|--------|-----------|-----------|-----------|------|----------------|--------------|------------------|----------------|----------------------|-------------------------|
| JM1111 | FTA       | 12        | 12        | GZ4  | 50             | 1500         | 2900             | 8              | 2000                 | 1                       |
| JM1112 | —         | 12        | 12        | GZ4  | 50             | 500          | 2900             | 19             | 2000                 | 2                       |
| JM1113 | —         | 12        | 12        | GZ4  | 50             | 350          | 2900             | 25             | 2000                 | 3                       |
| JM1211 | FTB       | 12        | 20        | GZ4  | 50             | 4200         | 2950             | 8              | 2000                 | 4                       |
| JM1212 | FTC       | 12        | 20        | GZ4  | 50             | 1450         | 2950             | 19             | 2000                 | 5                       |
| JM1213 | FTD       | 12        | 20        | GZ4  | 50             | 700          | 2950             | 28             | 2000                 | 6                       |
| JM1311 | FTE       | 12        | 35        | GZ4  | 50             | 6000         | 3050             | 10             | 3000                 | 7                       |
| JM1312 | FTF       | 12        | 35        | GZ4  | 50             | 2500         | 3050             | 20             | 3000                 | 8                       |
| JM1313 | FTH       | 12        | 35        | GZ4  | 50             | 1350         | 3050             | 29             | 3000                 | 9                       |

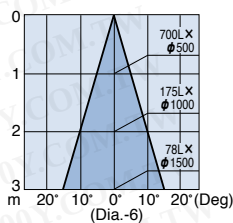
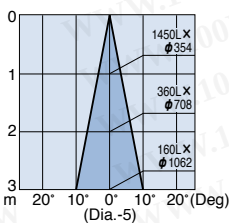
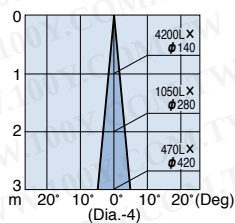
※DC bayonet base is also available.

50%BEAM CIRCLE AT DISTANCE 1 METRE ( $\phi$ :mm)

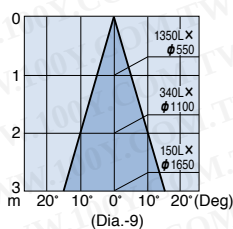
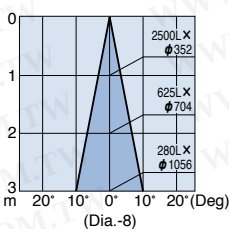
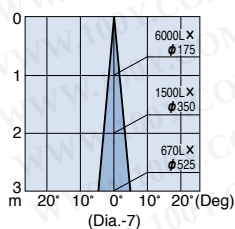
12W



20W



35W



勝特力材料 886-3-5753170  
勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## MR16 Neodymium Cover Glass Series

### FEATURES

1. MR-16 dichroic neodymium halogen lamps operate on the same fixtures as equivalent wattage MR-16 dichroic halogen lamps
2. Displayed goods appear bright and vivid
3. Conserve energy and have high candle power (power consumption: 1/2 or less of incandescent neodymium lamp under same beam angle and same illuminance)
4. Less temperature rise on irradiated surface (about 1/3 of incandescent neodymium lamp under same illuminance)
5. Uniform colour light on irradiated surface
6. Compact size
7. With cover glass

### APPLICATIONS

Displays and showrooms Restaurants, lounges, bars Meat shops Beauty salons Fruit shops

### PHYSICAL DATA CHARACTERISTICS

| Type       | Beam Type | Volts (V) | Watts (W) | Base  | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Rated Av. Life (hrs) |
|------------|-----------|-----------|-----------|-------|----------------|--------------|----------------|----------------------|
| JR1254.000 | Medium    | 12        | 20        | GU5.3 | 12             | 750          | 20             | 4000                 |
| JR1255.000 | Wide      | 12        | 20        | GU5.3 | 12             | 600          | 25             | 4000                 |
| JR1354.000 | Medium    | 12        | 35        | GU5.3 | 12             | 1700         | 21             | 5000                 |
| JR1355.000 | Wide      | 12        | 35        | GU5.3 | 12             | 1100         | 32             | 5000                 |
| JR1568.000 | Medium    | 12        | 50        | GU5.3 | 12             | 2700         | 21             | 5000                 |
| JR1569.000 | Wide      | 12        | 50        | GU5.3 | 12             | 1800         | 32             | 5000                 |
| JR2654.000 | Medium    | 12        | 65        | GU5.3 | 12             | 3500         | 20             | 5000                 |
| JR2655.000 | Wide      | 12        | 65        | GU5.3 | 12             | 2500         | 29             | 5000                 |

## MR16 WHITE LIGHT 4200K, 3450K & 3350K

| Type | Ref. ANSI | Volts (V) | Watts (W) | Base | Colour Temp. | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Rated Av. Life (hrs) |
|------|-----------|-----------|-----------|------|--------------|----------------|--------------|----------------|----------------------|
|------|-----------|-----------|-----------|------|--------------|----------------|--------------|----------------|----------------------|

#### MR16 4200K

|        |     |    |    |       |       |    |     |    |      |
|--------|-----|----|----|-------|-------|----|-----|----|------|
| JR1256 | BAB | 12 | 20 | GU5.3 | 4200K | 12 | 220 | 38 | 4000 |
| JR1356 | FMW | 12 | 35 | GU5.3 | 4200K | 12 | 500 | 38 | 5000 |
| JR1580 | EXN | 12 | 50 | GU5.3 | 4200K | 12 | 840 | 38 | 5000 |
| JR1581 | FNV | 12 | 50 | GU5.3 | 4200K | 12 | 300 | 56 | 5000 |

#### MR16 3350K, 3450K

|         |     |    |    |       |       |    |      |    |      |
|---------|-----|----|----|-------|-------|----|------|----|------|
| JR1251D | ESX | 12 | 20 | GU5.3 | 3350K | 12 | 2200 | 10 | 4000 |
| JR1253D | BAB | 12 | 20 | GU5.3 | 3350K | 12 | 400  | 36 | 4000 |
| JR1351D | FRB | 12 | 35 | GU5.3 | 3450K | 12 | 4200 | 12 | 5000 |
| JR1353D | FMW | 12 | 35 | GU5.3 | 3450K | 12 | 880  | 36 | 5000 |
| JR1551D | EXT | 12 | 50 | GU5.3 | 3450K | 12 | 5300 | 12 | 5000 |
| JR1552D | EXZ | 12 | 50 | GU5.3 | 3450K | 12 | 2250 | 26 | 5000 |
| JR1554D | EXN | 12 | 50 | GU5.3 | 3450K | 12 | 1300 | 36 | 5000 |

## MR16 Aluminium Coated

#### Features:

1. MR16 aluminium coated halogen lamps operate on the same fixtures as equivalent wattage MR16 dichroic halogen lamps.
2. There is no back light from the mirror.

#### Applications:

- Displays and showrooms
- Restaurants, lounges, bars

| Type       | Beam Type | Volts (V) | Watts (W) | Base  | Axis Cd (cd) | Colour Temp.(K) | Beam angle (°) | Rated Av. Life (hrs) |
|------------|-----------|-----------|-----------|-------|--------------|-----------------|----------------|----------------------|
| JR3551.000 | Narrow    | 12        | 50        | GU5.3 | 8000         | 2950            | 12             | 5000                 |
| JR3552.000 | Medium    | 12        | 50        | GU5.3 | 2500         | 2950            | 26             | 5000                 |
| JR3554.000 | Wide      | 12        | 50        | GU5.3 | 1600         | 2950            | 38             | 5000                 |
| JR3566.000 | S.Wide    | 12        | 50        | GU5.3 | 600          | 2950            | 56             | 5000                 |



## GENERAL LIGHTING HALOGEN LAMPS

# EYE DICHO-COOL® HALOGEN Lamps-low Volts, MR16 and MR11

## MR8, MR11 & MR16 Colour Halogen, Cover Glass

### MR8

| Type                                                                          | Colour | Beam Type | Volts (V) | Watts (W) | Base | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Rated Av. Life (hrs) |
|-------------------------------------------------------------------------------|--------|-----------|-----------|-----------|------|----------------|--------------|----------------|----------------------|
| <b>MR8-12V Dichroic Reflector Miniature 2-Pin Base - GZ4 with Cover Glass</b> |        |           |           |           |      |                |              |                |                      |
| JM8253                                                                        | Red    | Wide      | 12        | 20        | GZ4  | 50             | 240          | 23             | 2000                 |
| JM8254                                                                        | Green  | Wide      | 12        | 20        | GZ4  | 50             | 480          | 23             | 2000                 |
| JM8255                                                                        | Blue   | Wide      | 12        | 20        | GZ4  | 50             | 80           | 23             | 2000                 |
| JM8353                                                                        | Red    | Wide      | 12        | 35        | GZ4  | 50             | 420          | 23             | 2000                 |
| JM8354                                                                        | Green  | Wide      | 12        | 35        | GZ4  | 50             | 840          | 23             | 2000                 |
| JM8355                                                                        | Blue   | Wide      | 12        | 35        | GZ4  | 50             | 140          | 23             | 2000                 |

### MR11

| Type                                                                           | Colour | Beam Type | Volts (V) | Watts (W) | Base | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Rated Av. Life (hrs) |
|--------------------------------------------------------------------------------|--------|-----------|-----------|-----------|------|----------------|--------------|----------------|----------------------|
| <b>MR11-12V Dichroic Reflector Miniature 2-Pin Base - GZ4 with Cover Glass</b> |        |           |           |           |      |                |              |                |                      |
| JM1264                                                                         | Red    | Wide      | 12        | 20        | GZ4  | 50             | 300          | 30             | 2000                 |
| JM1265                                                                         | Green  | Wide      | 12        | 20        | GZ4  | 50             | 540          | 30             | 2000                 |
| JM1266                                                                         | Blue   | Wide      | 12        | 20        | GZ4  | 50             | 90           | 30             | 2000                 |
| JM1364                                                                         | Red    | Wide      | 12        | 35        | GZ4  | 50             | 390          | 30             | 3000                 |
| JM1365                                                                         | Green  | Wide      | 12        | 35        | GZ4  | 50             | 780          | 30             | 3000                 |
| JM1366                                                                         | Blue   | Wide      | 12        | 35        | GZ4  | 50             | 130          | 30             | 3000                 |

### MR16

| Type                                                                             | Colour | Beam Type | Volts (V) | Watts (W) | Base  | Std. Pkg. Qty. | Axis Cd (cd) | Beam angle (°) | Rated Av. Life (hrs) |
|----------------------------------------------------------------------------------|--------|-----------|-----------|-----------|-------|----------------|--------------|----------------|----------------------|
| <b>MR16-12V Dichroic Reflector Miniature 2-Pin Base - GU5.3 with Cover Glass</b> |        |           |           |           |       |                |              |                |                      |
| JR1558                                                                           | Red    | Narrow    | 12        | 50        | GU5.3 | 12             | 2100         | 13             | 5000                 |
| JR1559                                                                           | Red    | Wide      | 12        | 50        | GU5.3 | 12             | 500          | 32             | 5000                 |
| JR1560                                                                           | Yellow | Narrow    | 12        | 50        | GU5.3 | 12             | 7500         | 13             | 5000                 |
| JR1561                                                                           | Yellow | Wide      | 12        | 50        | GU5.3 | 12             | 1800         | 32             | 5000                 |
| JR1562                                                                           | Green  | Narrow    | 12        | 50        | GU5.3 | 12             | 3900         | 13             | 5000                 |
| JR1563                                                                           | Green  | Wide      | 12        | 50        | GU5.3 | 12             | 900          | 32             | 5000                 |
| JR1564                                                                           | Blue   | Narrow    | 12        | 50        | GU5.3 | 12             | 500          | 13             | 5000                 |
| JR1565                                                                           | Blue   | Wide      | 12        | 50        | GU5.3 | 12             | 150          | 32             | 5000                 |

## MR16 - Super Soft

#### Features:

- Frosted Cover Glass
- Soft diffused light

#### Applications:

- Displays • Retail stores • Restaurants
- Dining Rooms/Kitchens • Anywhere soft light is required

| Type                                                                                      | Ref. ANSI | Volts (V) | Watts (W) | Base  | Colour Temp. | Std. Pkg. Qty. | Axis Cd (cd) | Rated Av. Life (hrs) |
|-------------------------------------------------------------------------------------------|-----------|-----------|-----------|-------|--------------|----------------|--------------|----------------------|
| <b>MR16 Super Soft 12V Dichroic Reflector 2-Pin Base - GU5.3 Frosted with Cover Glass</b> |           |           |           |       |              |                |              |                      |
| JR1253F                                                                                   | BAB       | 12        | 20        | GU5.3 | 2950K        | 12             | 290          | 4000                 |
| JR1353F                                                                                   | FMW       | 12        | 35        | GU5.3 | 3000K        | 12             | 600          | 5000                 |
| JR1554F                                                                                   | EXN       | 12        | 50        | GU5.3 | 3050K        | 12             | 950          | 5000                 |
| JR1566F                                                                                   | FNV       | 12        | 50        | GU5.3 | 3050K        | 12             | 540          | 5000                 |

NOTE: MR8 Super Soft is also available.

# EYE DICHRO-COOL® Halogen Lamps-100V Range



**EYE DICHRO-COOL® Halogen Lamp** is a reflector type tungsten halogen spot lamp for General Lighting Service in combination with the super miniature tungsten halogen lamp and dichroic mirror.

## FEATURES

1. White light having a colour temperature of 3600K or 3000K.
2. Radiating less heat towards front (about 1/5 of beam lamp, 1/3 of heat cut type beam lamp).
3. Small and light (about 1/10 of beam lamp in cubic volume, weight: 25 - 60g)
4. Able to light by direct 100-120V AC commercial power source.

## MR16 Line Voltage type(JDR)

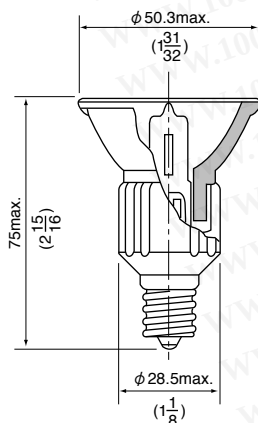
Lamps in three different beam types are available.

|                     | Narrow Beam                       | Medium Beam                       | Wide Beam                         |
|---------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>3000K Series</b> |                                   |                                   |                                   |
| 120V 75W            | FSA"2N" Intermediate Base(E17) CG | FSB"2M" Intermediate Base(E17) CG | FSD"2W" Intermediate Base(E17) CG |
| 120V 100W           | FSC"2N" Intermediate Base(E17) CG | FSE"2M" Intermediate Base(E17) CG | FSF"2W" Intermediate Base(E17) CG |
| <b>3600K Series</b> |                                   |                                   |                                   |
| 120V 75W            | "N" Intermediate Base(E17) CG     | "M" Intermediate Base(E17) CG     | "W" Intermediate Base(E17) CG     |
| 120V 100W           | "N" Intermediate Base(E17) CG     | "M" Intermediate Base(E17) CG     | "W" Intermediate Base(E17) CG     |

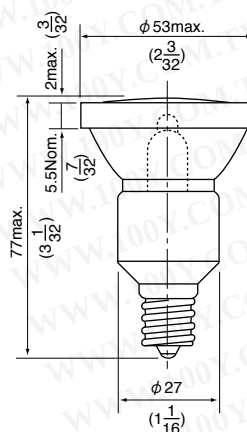
Neodymium Type is also available

## DIMENSIONS OF MR16 unit ; mm (inch)

OPEN TYPE



COVER GLASS TYPE



勝特力材料 886-3-5753170  
勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

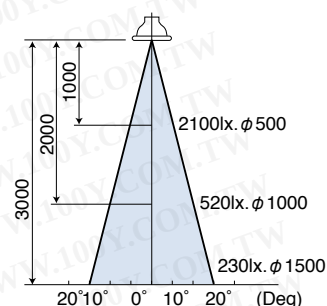
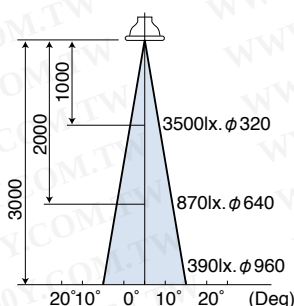
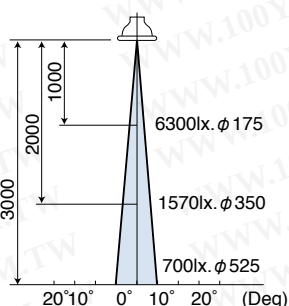


## EYE DICHRO-COOL® HALOGEN Lamps-100V Range

## 3000K SERIES

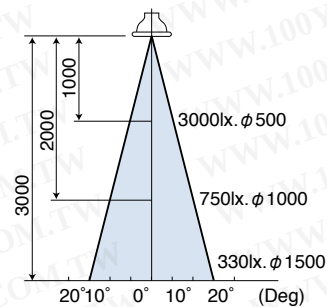
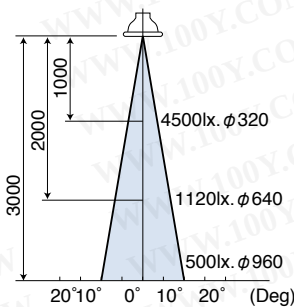
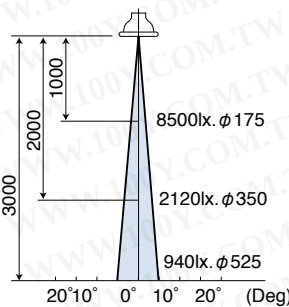
| ANSI                 | FSA                     | FSB                   | FSD                     |                       |                         |                       |
|----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Type                 | JX1016.000<br>OPEN TYPE | JX1061.000<br>CG TYPE | JX1017.000<br>OPEN TYPE | JX1062.000<br>CG TYPE | JX1018.000<br>OPEN TYPE | JX1063.000<br>CG TYPE |
| Volts (V)            | 120                     | 120                   | 120                     | 120                   | 120                     | 120                   |
| Watts (W)            | 75                      | 75                    | 75                      | 75                    | 75                      | 75                    |
| Base                 | E17                     | E17                   | E17                     | E17                   | E17                     | E17                   |
| Std. Pkg. Qty.       | 12                      | 12                    | 12                      | 12                    | 12                      | 12                    |
| Axis Cd (cd)         | 6300                    | 6300                  | 3500                    | 3500                  | 2100                    | 2100                  |
| Beam angle ( ° )     | 10                      | 10                    | 18                      | 18                    | 28                      | 28                    |
| Rated Av. Life (hrs) | 3000                    | 3000                  | 3000                    | 3000                  | 3000                    | 3000                  |
| Colour Temp. (K)     | 3000                    | 3000                  | 3000                    | 3000                  | 3000                    | 3000                  |

※50% Beam Circle at  
Distance of 1m  
unit : mm



| ANSI                 | FSC                     | FSE                   | FSF                     |                       |                         |                       |
|----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Type                 | JX1044.000<br>OPEN TYPE | JX1084.000<br>CG TYPE | JX1045.000<br>OPEN TYPE | JX1085.000<br>CG TYPE | JX1046.000<br>OPEN TYPE | JX1086.000<br>CG TYPE |
| Volts (V)            | 120                     | 120                   | 120                     | 120                   | 120                     | 120                   |
| Watts (W)            | 100                     | 100                   | 100                     | 100                   | 100                     | 100                   |
| Base                 | E17                     | E17                   | E17                     | E17                   | E17                     | E17                   |
| Std. Pkg. Qty.       | 12                      | 12                    | 12                      | 12                    | 12                      | 12                    |
| Axis Cd (cd)         | 8500                    | 8500                  | 4500                    | 4500                  | 3000                    | 3000                  |
| Beam angle ( ° )     | 10                      | 10                    | 18                      | 18                    | 28                      | 28                    |
| Rated Av. Life (hrs) | 3000                    | 3000                  | 3000                    | 3000                  | 3000                    | 3000                  |
| Colour Temp. (K)     | 3000                    | 3000                  | 3000                    | 3000                  | 3000                    | 3000                  |

※50% Beam Circle at  
Distance of 1m  
unit : mm



## 3600K SERIES

| ANSI                                         |                         |                       |                         |                       |                         |                       |
|----------------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Type                                         | JX1013.000<br>OPEN TYPE | JX1058.000<br>CG TYPE | JX1014.000<br>OPEN TYPE | JX1059.000<br>CG TYPE | JX1015.000<br>OPEN TYPE | JX1060.000<br>CG TYPE |
| Volts (V)                                    | 120                     | 120                   | 120                     | 120                   | 120                     | 120                   |
| Watts (W)                                    | 75                      | 75                    | 75                      | 75                    | 75                      | 75                    |
| Base                                         | E17                     | E17                   | E17                     | E17                   | E17                     | E17                   |
| Std. Pkg. Qty.                               | 12                      | 12                    | 12                      | 12                    | 12                      | 12                    |
| Axis Cd (cd)                                 | 3800                    | 3800                  | 2500                    | 2500                  | 1500                    | 1500                  |
| Beam angle (°)                               | 10                      | 10                    | 18                      | 18                    | 28                      | 28                    |
| Rated Av. Life (hrs)                         | 3000                    | 3000                  | 3000                    | 3000                  | 3000                    | 3000                  |
| Colour Temp. (K)                             | 3600                    | 3600                  | 3600                    | 3600                  | 3600                    | 3600                  |
| ※50% Beam Circle at Distance of 1m unit : mm |                         |                       |                         |                       |                         |                       |

| ANSI                                         |                         |                       |                         |                       |                         |                       |
|----------------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Type                                         | JX1058.000<br>OPEN TYPE | JX1081.000<br>CG TYPE | JX1059.000<br>OPEN TYPE | JX1082.000<br>CG TYPE | JX1060.000<br>OPEN TYPE | JX1083.000<br>CG TYPE |
| Volts (V)                                    | 120                     | 120                   | 120                     | 120                   | 120                     | 120                   |
| Watts (W)                                    | 100                     | 100                   | 100                     | 100                   | 100                     | 100                   |
| Base                                         | E17                     | E17                   | E17                     | E17                   | E17                     | E17                   |
| Std. Pkg. Qty.                               | 12                      | 12                    | 12                      | 12                    | 12                      | 12                    |
| Axis Cd (cd)                                 | 5700                    | 5700                  | 3000                    | 3000                  | 1800                    | 1800                  |
| Beam angle (°)                               | 10                      | 10                    | 18                      | 18                    | 28                      | 28                    |
| Rated Av. Life (hrs)                         | 3000                    | 3000                  | 3000                    | 3000                  | 3000                    | 3000                  |
| Colour Temp. (K)                             | 3600                    | 3600                  | 3600                    | 3600                  | 3600                    | 3600                  |
| ※50% Beam Circle at Distance of 1m unit : mm |                         |                       |                         |                       |                         |                       |

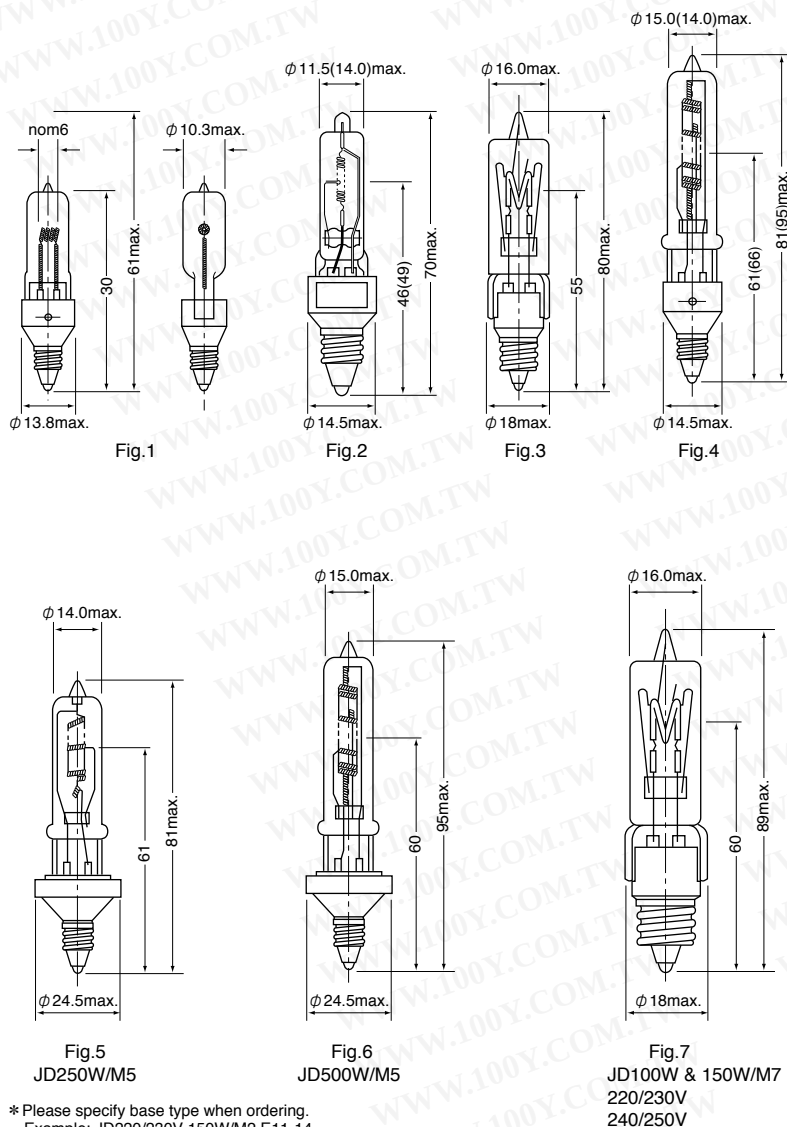
# Single Ended Type

## PHYSICAL DATA AND CHARACTERISTICS

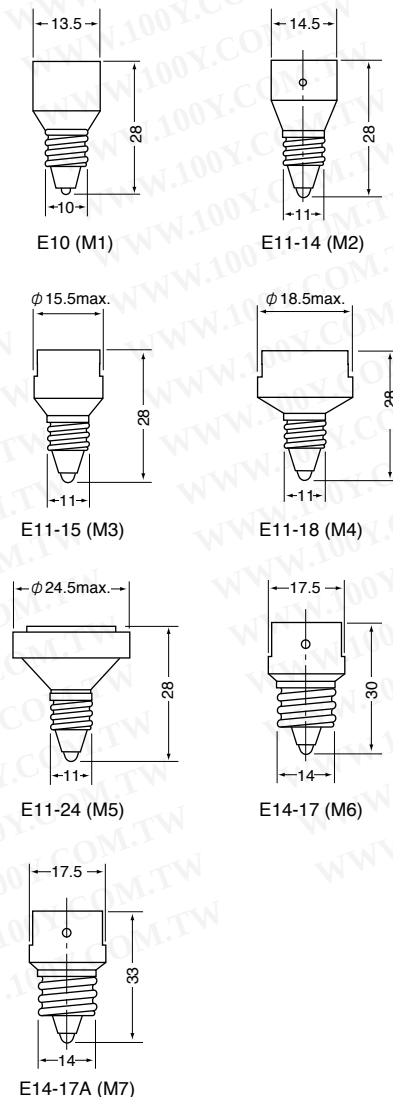
| Type              | Volts (V)   | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base       | Filament | Fig. No. |
|-------------------|-------------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|------------|----------|----------|
|                   |             |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |            |          |          |
| JD28V75W/M1       | 28          | 75        | 1350                        | 2950             | 2000                 | 10.3            | 61     | 29.5   | E10        | CC-6     | 1        |
| JD75W/M2 (M3~M7)  | 100,110,120 | 75        | 1200                        | 2850             | 1500                 | 11.5            | 70     | 46     | E11 or E14 | CC-8     | 2        |
| JD100W/M2 (M3~M7) | 100,120     | 100       | 1600                        | 2850             | 1500                 | 11.5            | 70     | 49     | E11 or E14 | CC-8     | 2        |
| JD100W/M2 (M5~M7) | 220/230     | 100       | 1400                        | 2850             | 1500                 | 16.0            | 80     | 55     | E11 or E14 | CC-13    | 3        |
|                   | 240/250     | 100       | 1400                        | 2850             | 1500                 | 16.0            | 80     | 55     | E11 or E14 | CC-13    | 3        |
| JD150W/M2 (M3~M7) | 110,120     | 150       | 2400                        | 2850             | 1500                 | 14.0            | 70     | 49     | E11 or E14 | CC-8     | 2        |
| JD150W/M2 (M5~M7) | 220/230     | 150       | 2250                        | 2900             | 1500                 | 16.0            | 80     | 55     | E11 or E14 | CC-13    | 3        |
|                   | 240/250     | 150       | 2250                        | 2900             | 1500                 | 16.0            | 80     | 55     | E11 or E14 | CC-13    | 3        |
| JD250W/M2 (M5~M7) | 110,120     | 250       | 4500                        | 2900             | 2000                 | 14.0            | 81     | 61     | E11 or E14 | CC-8     | 4 (5)    |
| JD250W/M2 (M5~M7) | 220/230     | 250       | 4500                        | 2900             | 2000                 | 15.0            | 81     | 61     | E11 or E14 | CC-8     | 4        |
|                   | 240/250     | 250       | 4500                        | 2900             | 2000                 | 15.0            | 81     | 61     | E11 or E14 | CC-8     | 4        |
| JD500W/M2 (M5~M7) | 110,120     | 500       | 9500                        | 2950             | 2000                 | 14.0            | 95     | 66     | E11 or E14 | CC-8     | 4        |
| JD500W/M2 (M5~M7) | 220/230     | 500       | 9500                        | 2950             | 2000                 | 15.0            | 95     | 66     | E11 or E14 | CC-8     | 4 (6)    |
|                   | 240/250     | 500       | 9500                        | 2950             | 2000                 | 15.0            | 95     | 66     | E11 or E14 | CC-8     | 4 (6)    |

Burning position: Any

## LAMP FIGURES unit : mm



## BASE TYPE



\* Please specify base type when ordering.  
Example: JD220/230V 150W/M2 E11-14  
JD220/230V 100W/M6 E14-17



## Single Ended Type

勝特力材料 886-3-5753170  
勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

### PHYSICAL DATA AND CHARACTERISTICS

| Type           | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base   | Filament | Fig. No. |
|----------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|--------|----------|----------|
|                |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |        |          |          |
| JD28V75W/BD    | 28        | 75        | 1350                        | 2950             | 2000                 | 10.3            | 60     | 37     | BA15d  | CC-8     | 3        |
| JD100W/E2 (E1) | 100,120   | 100       | 1600                        | 2850             | 2000                 | 11.5            | 88     | 69     | E27-30 | CC-8     | 1        |
| JD100W/BD      | 100,120   | 100       | 1600                        | 2850             | 2000                 | 11.5            | 63     | 33     | BA15d  | CC-8     | 4        |
| JD100W/E2 (E1) | 220,230   | 100       | 1400                        | 2850             | 1500                 | 16.0            | 105    | 77     | E27-30 | CC-13    | 2        |
|                | 240,250   | 100       | 1400                        | 2850             | 1500                 | 16.0            | 105    | 77     | E27-30 | CC-13    | 2        |
| JD100W/BD      | 220,230   | 100       | 1400                        | 2850             | 1500                 | 16.0            | 87     | 55     | BA15d  | CC-13    | 5        |
|                | 240,250   | 100       | 1400                        | 2850             | 1500                 | 16.0            | 87     | 55     | BA15d  | CC-13    | 5        |
| JD150W/E2 (E1) | 110,120   | 150       | 2800                        | 2850             | 2000                 | 14.0            | 90     | 69     | E27-30 | CC-8     | 1        |
| JD150W/BD      | 110,120   | 150       | 2800                        | 2850             | 2000                 | 14.0            | 63     | 33     | BA15d  | CC-8     | 6        |
| JD150W/E2 (E1) | 220,230   | 150       | 2250                        | 2900             | 1500                 | 16.0            | 105    | 77     | E27-30 | CC-13    | 2        |
|                | 240,250   | 150       | 2250                        | 2900             | 1500                 | 16.0            | 105    | 77     | E27-30 | CC-13    | 2        |
| JD150W/BD      | 220,230   | 150       | 2250                        | 2900             | 1500                 | 16.0            | 87     | 55     | BA15d  | CC-13    | 7        |
|                | 240,250   | 150       | 2250                        | 2900             | 1500                 | 16.0            | 87     | 55     | BA15d  | CC-13    | 7        |

Burning position: Any

### LAMP FIGURES unit : mm

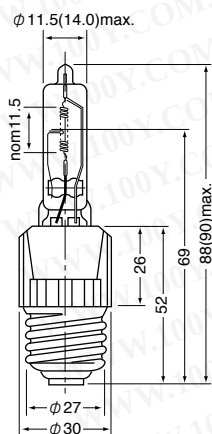


Fig.1 ( )150W

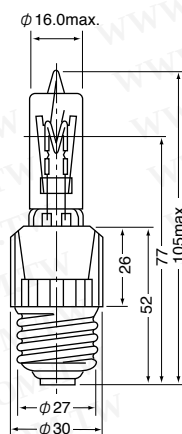


Fig.2

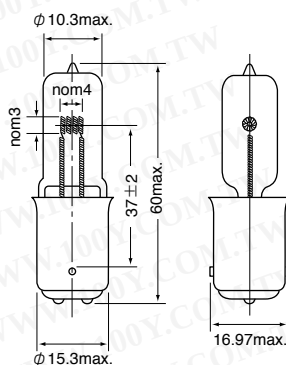


Fig.3

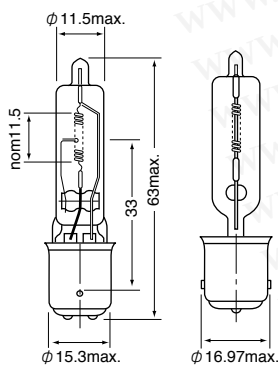


Fig.4

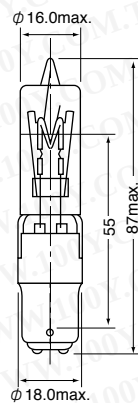


Fig.5

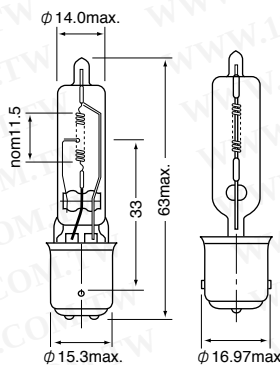


Fig.6

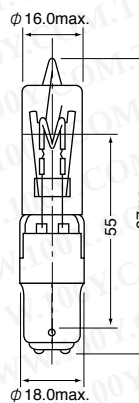
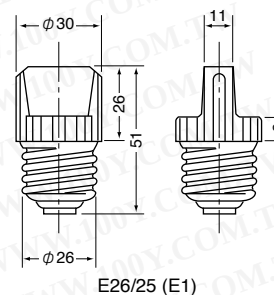
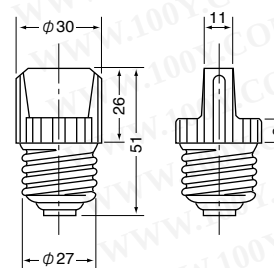


Fig.7

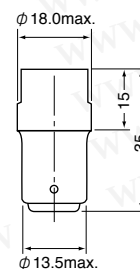
#### BASE TYPE



E26/25 (E1)



E27/25 (E2)



BA15d  
for 200V range  
100W & 150W

## PHYSICAL DATA AND CHARACTERISTICS

| Type           | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base   | Filament | Fig. No. |
|----------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|--------|----------|----------|
|                |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |        |          |          |
| JD250W/E2 (E1) | 110,120   | 250       | 5000                        | 2900             | 2000                 | 14.0            | 100    | 72     | E27-30 | CC-8     | 1        |
| JD250W/BD      | 110,120   | 250       | 5000                        | 2900             | 2000                 | 14.0            | 75     | 42     | BA15d  | CC-8     | 3        |
| JD250W/E2 (E1) | 220,230   | 250       | 4500                        | 2900             | 2000                 | 15.0            | 100    | 72     | E27-30 | CC-8     | (1)      |
|                | 240,250   | 250       | 4500                        | 2900             | 2000                 | 15.0            | 100    | 72     | E27-30 | CC-8     | (1)      |
| JD250W/BD      | 220,230   | 250       | 4500                        | 2900             | 2000                 | 15.0            | 75     | 42     | BA15d  | CC-8     | 4        |
|                | 240,250   | 250       | 4500                        | 2900             | 2000                 | 15.0            | 75     | 42     | BA15d  | CC-8     | 4        |
| JD500W/E2 (E1) | 110,120   | 500       | 10450                       | 2950             | 2000                 | 14.0            | 113    | 81     | E27-30 | CC-8     | (2)      |
| JD500W/BD      | 110,120   | 500       | 10450                       | 2950             | 2000                 | 14.0            | 90     | 48     | BA15d  | CC-8     | 5        |
| JD500W/E2 (E1) | 220,230   | 500       | 9500                        | 2950             | 2000                 | 15.0            | 113    | 81     | E27-30 | CC-8     | 2        |
|                | 240,250   | 500       | 9500                        | 2950             | 2000                 | 15.0            | 113    | 81     | E27-30 | CC-8     | 2        |
| JD500W/BD      | 220,230   | 500       | 9500                        | 2950             | 2000                 | 15.0            | 90     | 48     | BA15d  | CC-8     | 6        |
|                | 240,250   | 500       | 9500                        | 2950             | 2000                 | 15.0            | 90     | 48     | BA15d  | CC-8     | 6        |

Burning position: Any

## LAMP FIGURES unit : mm

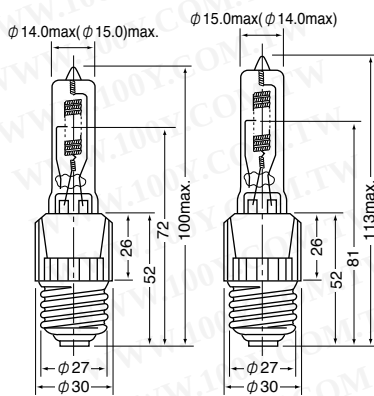


Fig.1

Fig.2

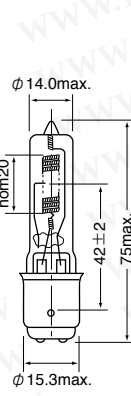


Fig.3

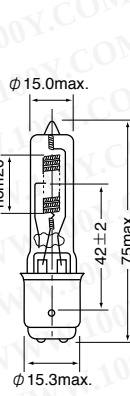


Fig.4

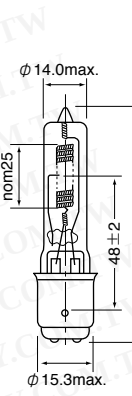


Fig.5

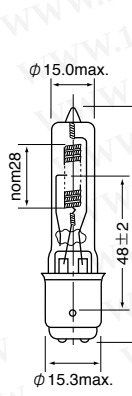
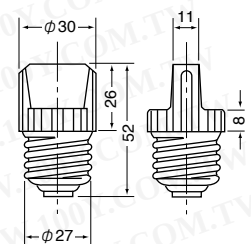


Fig.6

## BASE TYPE

E27/30 (E2)  
E26/30 (E1)

HALOGEN

## PHYSICAL DATA AND CHARACTERISTICS

| Type            | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base  | Filament | Fig. No. |
|-----------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|-------|----------|----------|
|                 |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |       |          |          |
| JC12V20W20H/G4  | 12        | 20        | 330                         | 2850             | 2000                 | 9.0             | 33     | 19.5   | G4    | C-6      | 1        |
| JC12V20W20H/G1  | 12        | 20        | 280                         | 2850             | 2000                 | 11.0            | 44     | 30.0   | G6.35 | C-6      | 2        |
| JC12V50W20H/G1  | 12        | 50        | 900                         | 2900             | 2000                 | 11.0            | 44     | 30.0   | G6.35 | C-6      | 2        |
| JC12V100W20H/G1 | 12        | 100       | 1900                        | 3000             | 2000                 | 11.0            | 44     | 30.0   | G6.35 | C-6      | 2        |

Burning position: Any

## LAMP FIGURES unit : mm

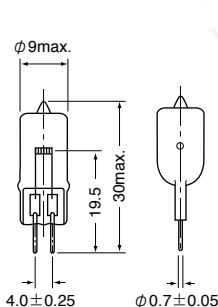


Fig.1

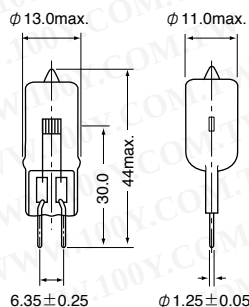
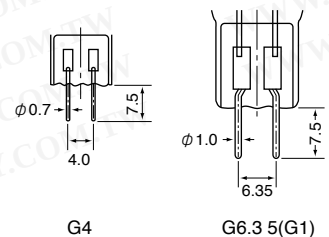


Fig.2

## BASE TYPE



G4

G6.35 (G1)



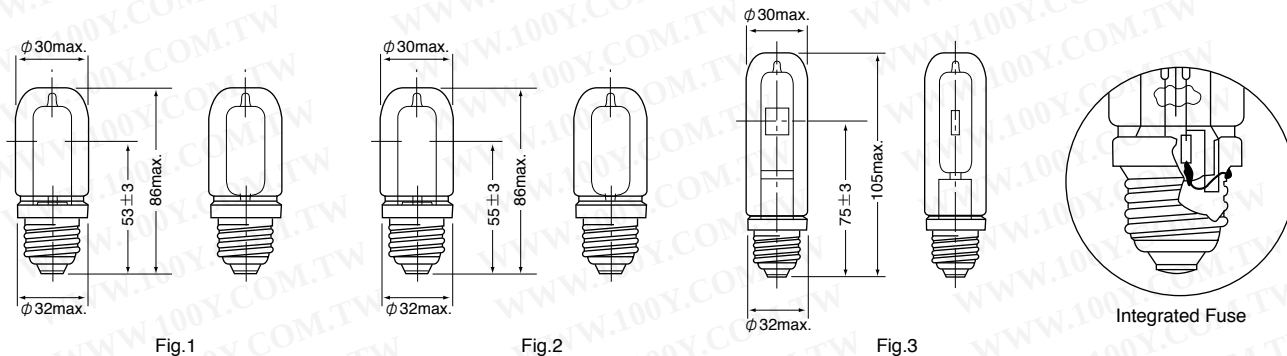
# Double Envelope Type

## PHYSICAL DATA AND CHARACTERISTICS-E27 BASE

| Type    | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base | Filament | Fig. No. |
|---------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|------|----------|----------|
|         |                              |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |      |          |          |
| JT75W   | JT1043                       | 120       | 75        | 1150                        | 2850             | 1500                 | 30              | 86     | 53     | E26  | CC-8     | 1        |
| JT75W   | JT2020                       | 220/230   | 75        | 1000                        | 2800             | 1000                 | 30              | 86     | 55     | E27  | CC-13    | 2        |
|         | JT2021                       | 240/250   | 75        | 1000                        | 2800             | 1000                 | 30              | 86     | 55     | E27  | CC-13    | 2        |
| JT100W  | JT1047                       | 120       | 100       | 1600                        | 2900             | 1500                 | 30              | 86     | 53     | E26  | CC-8     | 1        |
| JT100W  | JT2023                       | 220/230   | 100       | 1400                        | 2850             | 1500                 | 30              | 86     | 55     | E27  | CC-13    | 2        |
|         | JT2024                       | 240/250   | 100       | 1400                        | 2850             | 1500                 | 30              | 86     | 55     | E27  | CC-13    | 2        |
| JT150WL | JT2097                       | 220/230   | 150       | 2500                        | 2900             | 1500                 | 30              | 105    | 75     | E27  | CC-13    | 3        |
|         | JT2098                       | 240/250   | 150       | 2500                        | 2900             | 1500                 | 30              | 105    | 75     | E27  | CC-13    | 3        |
| JT250WL | JT2100                       | 220/230   | 250       | 4200                        | 2900             | 1500                 | 30              | 105    | 75     | E27  | CC-13    | 3        |
|         | JT2101                       | 240/250   | 250       | 4200                        | 2900             | 1500                 | 30              | 105    | 75     | E27  | CC-13    | 3        |

Burning position: Any  
Enclosed fixtures only

## LAMP FIGURES unit : mm

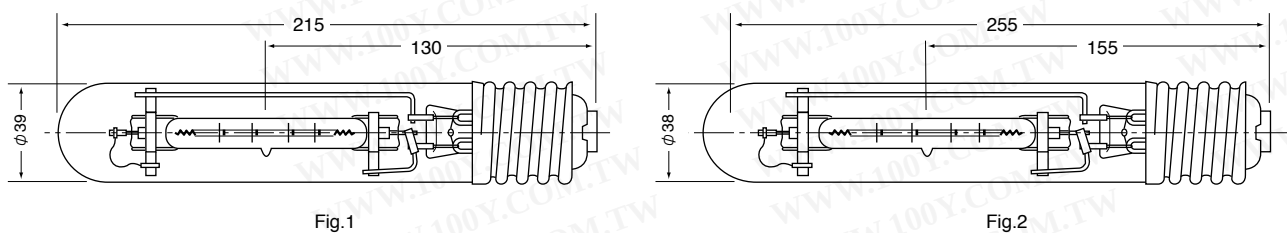


## PHYSICAL DATA AND CHARACTERISTICS-E40 BASE

| Type    | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base | Filament | Fig. No. |
|---------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|------|----------|----------|
|         |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |      |          |          |
| JT500W  | 125/130   | 500       | 12000                       | 3000             | 2000                 | 39              | 215    | 130    | E40  | C-8      | 1        |
| JT500W  | 230/240   | 500       | 10000                       | 3000             | 2000                 | 39              | 215    | 130    | E40  | CC-8     | 1        |
|         | 240/250   | 500       | 10000                       | 3000             | 2000                 | 39              | 215    | 130    | E40  | CC-8     | 1        |
| JT1000W | 230/240   | 1000      | 24000                       | 3000             | 2000                 | 38              | 255    | 155    | E40  | C-8      | 2        |
|         | 240/250   | 1000      | 24000                       | 3000             | 2000                 | 38              | 255    | 155    | E40  | C-8      | 2        |

Burning position: Horizontal  $\pm 15^\circ$   
Enclosed fixtures only

## LAMP FIGURES unit : mm

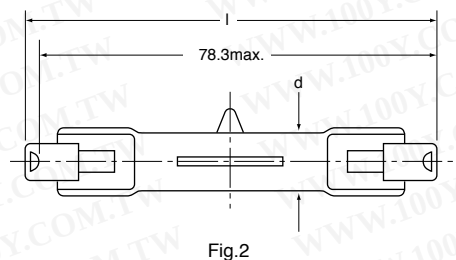
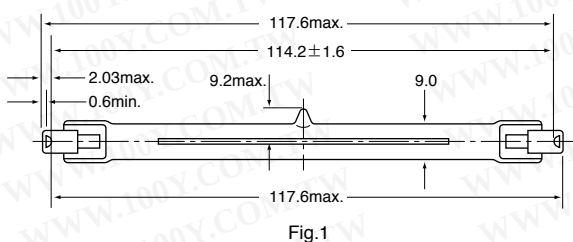


# Double Ended Type-Short Size

## PHYSICAL DATA AND CHARACTERISTICS

| Type    | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |          | Base | Filament | Fig. No. |
|---------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|----------|------|----------|----------|
|         |           |           |                             |                  |                      | M.D. d          | M.O.L. l |      |          |          |
| J100W-S | 110/120   | 100       | 1500                        | 2800             | 2000                 | 9.0             | 80.3     | R7s  | C-8      | 2        |
| J100W-S | 220/230   | 100       | 1350                        | 2750             | 2000                 | 9.0             | 80.3     | R7s  | CC-8     | 2        |
|         | 240/250   | 100       | 1350                        | 2750             | 2000                 | 9.0             | 80.3     | R7s  | CC-8     | 2        |
| J150W-S | 110/120   | 150       | 2400                        | 2900             | 2000                 | 9.0             | 80.3     | R7s  | C-8      | 2        |
| J150W-S | 220/230   | 150       | 2100                        | 2800             | 2000                 | 9.0             | 80.3     | R7s  | CC-8     | 2        |
|         | 240/250   | 150       | 2100                        | 2800             | 2000                 | 9.0             | 80.3     | R7s  | CC-8     | 2        |
| J200W-S | 110/120   | 200       | 3200                        | 2900             | 2000                 | 9.0             | 80.3     | R7s  | C-8      | 2        |
| J200W-S | 220/230   | 200       | 3000                        | 2800             | 2000                 | 9.0             | 80.3     | R7s  | CC-8     | 2        |
|         | 240/250   | 200       | 3000                        | 2800             | 2000                 | 9.0             | 80.3     | R7s  | CC-8     | 2        |
| J250W-S | 220/230   | 250       | 4000                        | 2850             | 2000                 | 11.0            | 80.3     | R7s  | CC-8     | 2        |
|         | 240/250   | 250       | 4000                        | 2850             | 2000                 | 11.0            | 80.3     | R7s  | CC-8     | 2        |
| J300W-S | 110/120   | 300       | 5400                        | 3000             | 2000                 | 11.0            | 80.3     | R7s  | CC-8     | 2        |
| J150W   | 110/120   | 150       | 2250                        | 2850             | 2000                 | 9.0             | 119.0    | R7s  | C-8      | 1        |
| J150W   | 220/230   | 150       | 2100                        | 2800             | 2000                 | 9.0             | 119.0    | R7s  | C-8      | 1        |
|         | 240/250   | 150       | 2100                        | 2800             | 2000                 | 9.0             | 119.0    | R7s  | C-8      | 1        |

## LAMP FIGURES unit : mm



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# Double Ended Type

## PHYSICAL DATA AND CHARACTERISTICS

| Type       | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs) | Dimensions (mm) |             |          | Base | Filament | Fig.No. & Remarks |
|------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|-------------|----------|------|----------|-------------------|
|            |           |           |                             |                  |                      | M.D. d          | C.to B.E. c | M.O.L. l |      |          |                   |
| J200W      | 110/120   | 200       | 3300                        | 2850             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
| J200W      | 220/230   | 200       | 3200                        | 2800             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
|            | 240/250   | 200       | 3200                        | 2800             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
| J250W      | 110/120   | 250       | 4500                        | 2850             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
| J250W      | 220/230   | 250       | 4000                        | 2800             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
|            | 240/250   | 250       | 4000                        | 2800             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
| J300W      | 110/120   | 300       | 5700                        | 2900             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
| J300W      | 220/230   | 300       | 5000                        | 2850             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
|            | 240/250   | 300       | 5000                        | 2850             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
| J500W      | 110/120   | 500       | 10000                       | 3000             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1A                |
| J500W      | 220/230   | 500       | 9500                        | 2900             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
|            | 240/250   | 500       | 9500                        | 2900             | 2000                 | 9.0             | 117.6       | 119.0    | R7s  | C-8      | 1                 |
| J500W-L    | 220/230   | 500       | 8750                        | 2900             | 2000                 | 11.0            | 189.1       | 190.5    | R7s  | C-8      | 1                 |
|            | 240/250   | 500       | 8750                        | 2900             | 2000                 | 11.0            | 189.1       | 190.5    | R7s  | C-8      | 1                 |
| J750W      | 110/120   | 750       | 15000                       | 3000             | 2000                 | 11.0            | 189.1       | 190.5    | R7s  | C-8      | 1A                |
| J750W      | 220/230   | 750       | 15000                       | 3000             | 2000                 | 11.0            | 189.1       | 190.5    | R7s  | C-8      | 1                 |
|            | 240/250   | 750       | 15000                       | 3000             | 2000                 | 11.0            | 189.1       | 190.5    | R7s  | C-8      | 1                 |
| J1000W     | 110/120   | 1000      | 21000                       | 3000             | 2000                 | 11.0            | 189.1       | 190.5    | R7s  | C-8      | 1A                |
| J1000W     | 220/230   | 1000      | 21000                       | 3000             | 2000                 | 11.0            | 189.1       | 190.5    | R7s  | C-8      | 1A                |
|            | 240/250   | 1000      | 21000                       | 3000             | 2000                 | 11.0            | 189.1       | 190.5    | R7s  | C-8      | 1A                |
| J1000W-L   | 110/120   | 1000      | 21000                       | 3000             | 2000                 | 11.0            | 254.1       | 255.7    | R7s  | C-8      | 1A                |
| J1000W-L   | 220/230   | 1000      | 21000                       | 3000             | 2000                 | 11.0            | 254.1       | 255.7    | R7s  | C-8      | 1A                |
|            | 240/250   | 1000      | 21000                       | 3000             | 2000                 | 11.0            | 254.1       | 255.7    | R7s  | C-8      | 1A                |
| J1500W     | 110/120   | 1500      | 33000                       | 3000             | 2000                 | 11.0            | 254.1       | 255.7    | R7s  | C-8      | 1A                |
| J1500W     | 220/230   | 1500      | 33000                       | 3000             | 2000                 | 11.0            | 254.1       | 255.7    | R7s  | C-8      | 1A                |
|            | 240/250   | 1500      | 33000                       | 3000             | 2000                 | 11.0            | 254.1       | 255.7    | R7s  | C-8      | 1A                |
| J2000W     | 220/230   | 2000      | 44000                       | 3000             | 2000                 | 11.0            | 331.9       | 333.5    | R7s  | C-8      | 1                 |
|            | 240/250   | 2000      | 44000                       | 3000             | 2000                 | 11.0            | 331.9       | 333.5    | R7s  | C-8      | 1                 |
| J2000W/Fa4 | 220/230   | 2000      | 44000                       | 3000             | 2000                 | 11.0            | —           | 334.4    | Fa4  | C-8      | 2                 |
|            | 240/250   | 2000      | 44000                       | 3000             | 2000                 | 11.0            | —           | 334.4    | Fa4  | C-8      | 2                 |
| JD500W     | 120       | 500       | 7500                        | 2850             | 2000                 | 14.0            | 74.9        | 78.4     | RSC  | CC-8     | 3A                |
| JD1000W    | 120       | 1000      | 20000                       | 3000             | 2000                 | 20.0            | 138.1       | 140.0    | RSC  | CC-8     | 3A                |

Burning position: Horizontal  $\pm 5^\circ$ 

Remarks: A = Burning position: Any

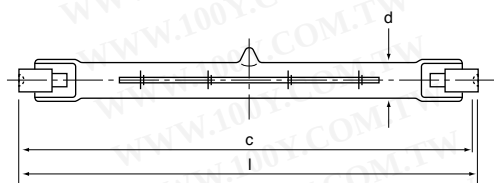


Fig.1

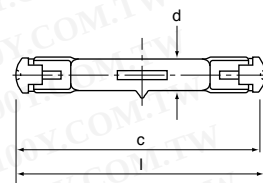


Fig.3

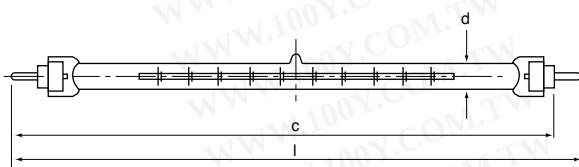


Fig.2

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# Projection Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

| Type           | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base   | Filament | Fig. No. |
|----------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|--------|----------|----------|
|                |                              |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |        |          |          |
| JC12V40W/G1    |                              | 12        | 40        | 1040                        | 3300             | 50                   | 11              | 44     | 30     | G6.35  | C-6      | 1        |
| JC12V50W/G1    | BRL A1/220                   | 12        | 50        | 1400                        | 3400             | 50                   | 11              | 44     | 30     | G6.35  | C-Bar-6  | 1        |
| JC12V100W/G2   | FCR A1/215                   | 12        | 100       | 2800                        | 3350             | 70                   | 11              | 44     | 30     | GY6.35 | C-Bar-6  | 2        |
| JC15V150W/G1   | BRJ A1/234                   | 15        | 150       | 4700                        | 3400             | 70                   | 11              | 44     | 30     | G6.35  | C-Bar-6  | 1        |
| JC24V150W/G1   | A1/216                       | 24        | 150       | 4700                        | 3400             | 70                   | 13.5            | 50     | 32     | G6.35  | C-Bar-6  | 4        |
| JC24V150W1H/G1 | FDV                          | 24        | 150       | 4300                        | 3250             | 100                  | 13.5            | 50     | 30     | G6.35  | C-Bar-6  | 5        |
| JC24V150W2H/G1 |                              | 24        | 150       | 4350                        | 3300             | 200                  | 13.5            | 50     | 30     | G6.35  | C-Bar-6  | 5        |
| FCS24V150W     | FCS                          | 24        | 150       | 4700                        | 3400             | 70                   | 13.5            | 50     | 30     | G6.35  | C-Bar-6  | 5        |
| JC24V250W/G1   | EHJ A1/223                   | 24        | 250       | 8250                        | 3400             | 70                   | 13.5            | 55     | 33     | G6.35  | C-Bar-6  | 6        |
| JC24V250WR/G1  |                              | 24        | 250       | 8250                        | 3400             | 50                   | 13.5            | 55     | 33     | G6.35  | C-Bar-6  | 6        |
| JC24V300W/G2   |                              | 24        | 300       | 9900                        | 3400             | 50                   | 13.5            | 55     | 33     | GY6.35 | C-Bar-6  | 7        |
| JC36V400W/G1   | EVD A1/239                   | 36        | 400       | 14000                       | 3400             | 50                   | 16              | 60     | 36     | G6.35  | C-Bar-6  | 8        |

Burning position: Any

## LAMP FIGURES unit : mm

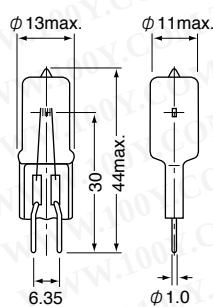


Fig.1

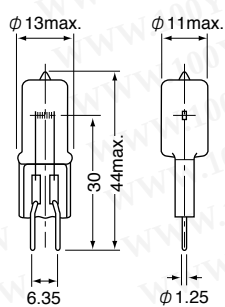


Fig.2

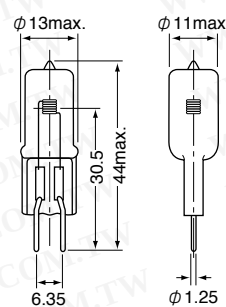


Fig.3

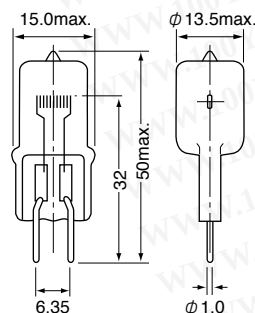


Fig.4

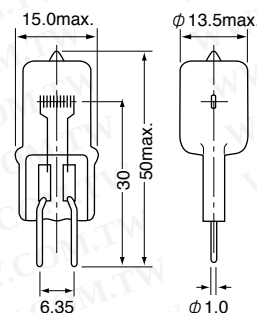


Fig.5

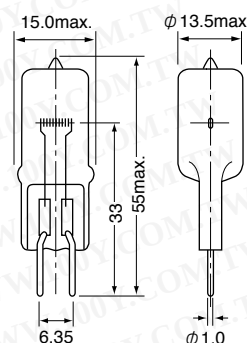


Fig.6

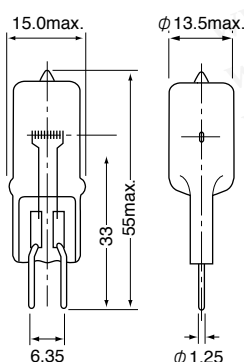


Fig.7

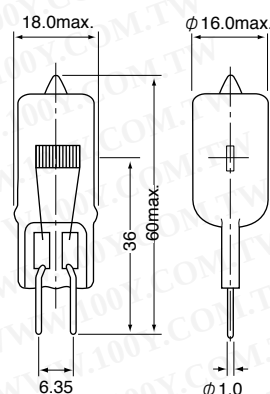
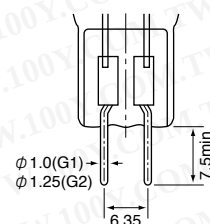


Fig.8

### BASE TYPE



G6.35 (G1)  
GY6.35 (G2)

HALOGEN

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## Projection Halogen Lamps

### PHYSICAL DATA AND CHARACTERISTICS

| Type                   | Reference or Substitute Lamp | Volts (V) | Watts (W) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        | Base   | Working Distance | Filament | Fig. No. |
|------------------------|------------------------------|-----------|-----------|------------------|----------------------|-----------------|--------|--------|------------------|----------|----------|
|                        |                              |           |           |                  |                      | M.D.            | M.O.L. |        |                  |          |          |
| MR8                    |                              |           |           |                  |                      |                 |        |        |                  |          |          |
| JCR6V10W20H/2GZ        | —                            | 6         | 10        | 2900             | 2000                 | 25.3            | 31.6   | GZ4    | 14.5             | C-8      | 1        |
| JCR12V20W20H/2GZ       | —                            | 12        | 20        | 2950             | 2000                 | 25.3            | 31.6   | GZ4    | 14.5             | C-8      | 1        |
| JCR12V30W20H/2GZ       | —                            | 12        | 30        | 3000             | 2000                 | 25.3            | 31.6   | GZ4    | 14.5             | C-8      | 1        |
| JCR12V35W20H/2GZ       | —                            | 12        | 35        | 3000             | 2000                 | 25.3            | 31.6   | GZ4    | 14.5             | C-8      | 1        |
| MR11                   |                              |           |           |                  |                      |                 |        |        |                  |          |          |
| JCR 12V35W2H/GZ4       | —                            | 12        | 35        | 3100             | 700                  | 35.3            | 40.0   | GZ4    | 37.9             | C-8      | 2        |
| MR16                   |                              |           |           |                  |                      |                 |        |        |                  |          |          |
| JCR12V20W20H/G1        | —                            | 12        | 20        | 2950             | 2000                 | 50.0            | 42.0   | GZ6.35 | 32.0             | C-6      | 3        |
| JCR12V30W20H/G1        | —                            | 12        | 30        | 3000             | 2000                 | 50.0            | 42.0   | GZ6.35 | 32.0             | C-6      | 3        |
| JCR6V50W20H/G1         | —                            | 6         | 50        | 3000             | 2000                 | 50.0            | 44.0   | GZ6.35 | 50.0             | C-8      | 3        |
| JCR12V50W20H/G1        | —                            | 12        | 50        | 3000             | 2000                 | 50.0            | 42.0   | GZ6.35 | 32.0             | C-8      | 3        |
| JCR12V50W20H/G1UV      | —                            | 12        | 50        | 3000             | 2000                 | 50.0            | 42.0   | GZ6.35 | 32.0             | C-8      | 3        |
| JCR9.5V55W15H/G1       | —                            | 9.5       | 55        | 3000             | 1500                 | 50.0            | 42.0   | GZ6.35 | —                | C-8      | 3        |
| JCR12V75W/G1           | EFN                          | 12        | 75        | 3400             | 50                   | 50.0            | 42.0   | GZ6.35 | 32.0             | C-8      | 3        |
| JCR12V75W15H/G1        | —                            | 12        | 75        | 3000             | 1500                 | 50.0            | 42.0   | GZ6.35 | 32.0             | C-8      | 3        |
| JCR12V100W/G1          | EFP                          | 12        | 100       | 3400             | 50                   | 50.0            | 42.0   | GZ6.35 | 32.0             | C-8      | 3        |
| JCR12V100W10H/G1       | —                            | 12        | 100       | 3100             | 1000                 | 50.0            | 42.0   | GZ6.35 | 32.0             | C-8      | 3        |
| JCR19.5V150W/G2        | —                            | 19.5      | 150       | 3250             | 150                  | 50.5            | 44.5   | GX5.3  | —                | CC-6     | 4        |
| JCR15V150W/G1          | EFR                          | 15        | 150       | 3400             | 50                   | 50.5            | 42.0   | GZ6.35 | 32.0             | C-8      | 4        |
| JCR15V150W5H/G1        | —                            | 15        | 150       | 3200             | 500                  | 50.5            | 42.0   | GZ6.35 | 32.0             | C-8      | 4        |
| JCR24V150W10H/G2/H50   | —                            | 24        | 150       | 3200             | 1000                 | 50.5            | 44.5   | GX5.3  | —                | CC-6     | 4        |
| JCR24V200W10H/G2/H50-D | —                            | 24        | 200       | 3200             | 1000                 | 50.5            | 44.5   | GX5.3  | —                | CC-6     | 4        |

※ Minimum order quantity is required.

### LAMP FIGURES unit : mm

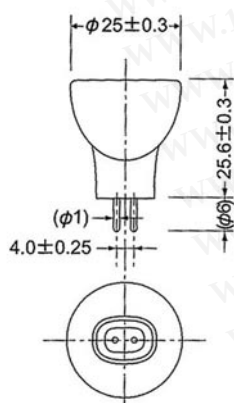


Fig. 1

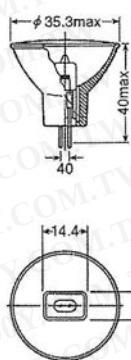


Fig. 2

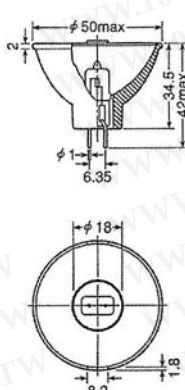


Fig. 3

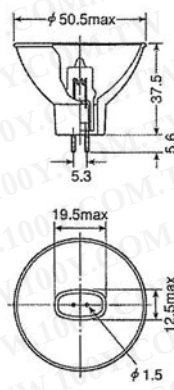
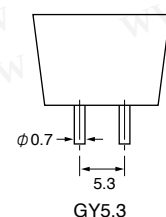
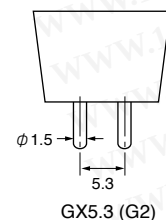
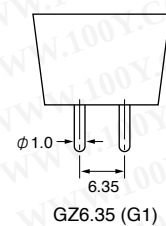


Fig. 4

#### BASE TYPE



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## PHYSICAL DATA AND CHARACTERISTICS

| Type         | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base   | Filament | Fig. No. |
|--------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|--------|----------|----------|
|              |                              |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |        |          |          |
| JCD150W-S/G1 |                              | 100,120   | 150       | 4050                        | 3250             | 50                   | 13.5            | 50     | 30     | G6.35  | CC-6     | 1        |
| JCD200W-S/G1 |                              | 220/230   | 200       | 4700                        | 3100             | 50                   | 21.0            | 63     | 40     | G6.35  | CC-13    | 3        |
|              |                              | 240/250   | 200       | 4700                        | 3100             | 50                   | 21.0            | 63     | 40     | G6.35  | CC-13    | 3        |
| JCD250W-S/G1 |                              | 100,120   | 250       | 7000                        | 3300             | 50                   | 16.0            | 50     | 33     | G6.35  | CC-6     | 2        |
| JCD250W-S/G1 |                              | 220/230   | 250       | 6250                        | 3200             | 50                   | 21.0            | 63     | 40     | G6.35  | CC-13    | 3        |
|              |                              | 240/250   | 250       | 6250                        | 3200             | 50                   | 21.0            | 63     | 40     | G6.35  | CC-13    | 3        |
| JCD300W-S/G1 |                              | 100,120   | 300       | 8400                        | 3250             | 50                   | 16.0            | 50     | 33     | G6.35  | CC-6     | 2        |
| JCD300W-S/G1 |                              | 220/230   | 300       | 7500                        | 3200             | 50                   | 21.0            | 63     | 40     | G6.35  | CC-13    | 3        |
|              |                              | 240/250   | 300       | 7500                        | 3200             | 50                   | 21.0            | 63     | 40     | G6.35  | CC-13    | 3        |
| FDX12V100W   | FDX                          | 12        | 100       | 2800                        | 3350             | 70                   | 11.0            | 44     | 30     | GY6.35 | C-Bar-6  | 4        |
| FDW24V150W   | FDW                          | 24        | 150       | 4700                        | 3400             | 70                   | 13.5            | 50     | 30     | G6.35  | C-Bar-6  | 4        |
| FDT12V100W   | FDT                          | 12        | 100       | 2800                        | 3350             | 70                   | 11.0            | 52     | 27     | GY9.5  | C-Bar-6  | 5        |
| FDS24V150W   | FDS A1/262                   | 24        | 150       | 4700                        | 3400             | 70                   | 13.5            | 60     | 33     | GY9.5  | C-Bar-6  | 6        |
| DZE24V150W   | DZE                          | 24        | 150       | 4300                        | 3250             | 100                  | 13.5            | 60     | 33     | GY9.5  | C-Bar-6  | 6        |

Burning position: Any

## LAMP FIGURES unit : mm

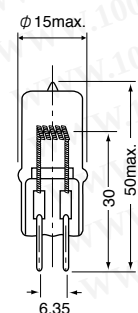


Fig.1

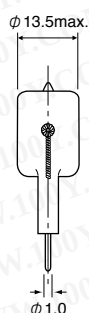


Fig.2

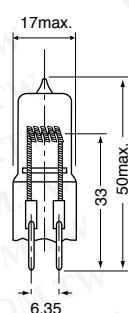


Fig.3

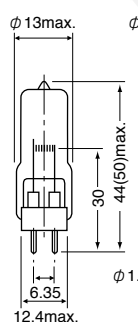
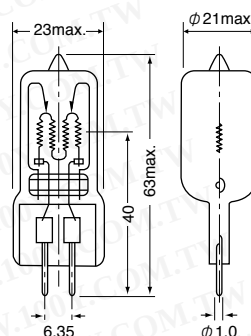


Fig.4

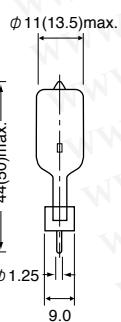


Fig.5

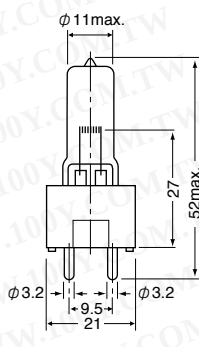
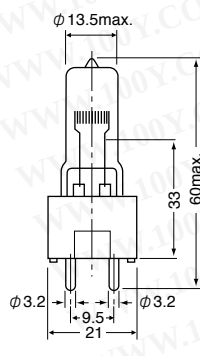
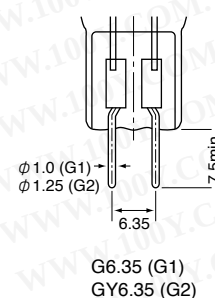


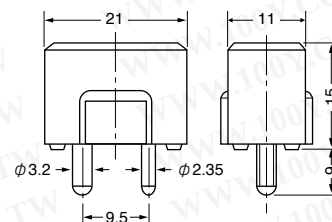
Fig.6



### BASE TYPE



G6.35 (G1)  
GY6.35 (G2)



GY9.5 (B)

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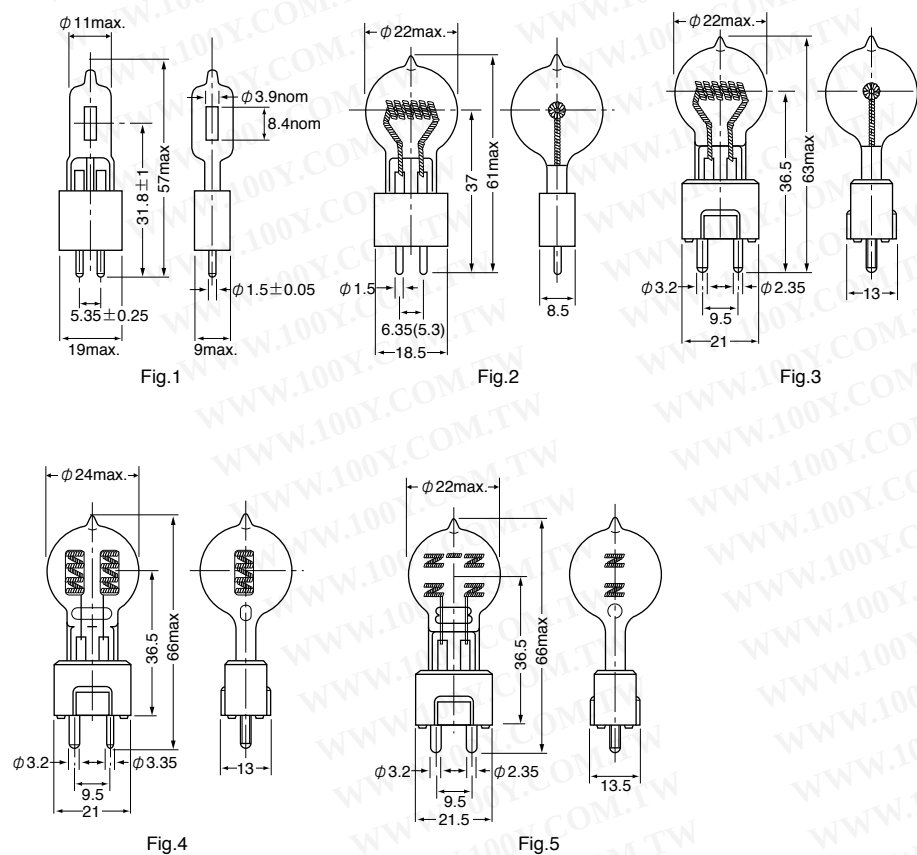
## PHYSICAL DATA AND CHARACTERISTICS

| Type        | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base      | Filament | Fig.No. & Remarks |
|-------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|-----------|----------|-------------------|
|             |                              |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |           |          |                   |
| JCD360W/A1  | EYB                          | 82        | 360       | 11000                       | 3250             | 75                   | 11              | 57     | 32.8   | G5.3      | CC-8     | 1                 |
| JCD500WS/A1 |                              | 100,120   | 500       | 15500                       | 3400             | 25                   | 22              | 61     | 37     | G5.3      | CC-6     | (2)               |
| JCD500WC/A1 |                              | 100,120   | 500       | 14000                       | 3200             | 75                   | 22              | 61     | 37     | G5.3      | CC-6     | (2)               |
| JCD500WS/A2 |                              | 100,120   | 500       | 15500                       | 3400             | 25                   | 22              | 61     | 37     | G6.35-1.5 | CC-6     | 2                 |
| JCD500WC/A2 |                              | 100,120   | 500       | 14000                       | 3200             | 75                   | 22              | 61     | 37     | G6.35-1.5 | CC-6     | 2                 |
| JCD600WS/A1 |                              | 100,120   | 600       | 18600                       | 3400             | 25                   | 22              | 61     | 37     | G5.3      | CC-6     | (2)               |
| JCD600WC/A1 | DYH                          | 100,120   | 600       | 17000                       | 3200             | 75                   | 22              | 61     | 37     | G5.3      | CC-6     | (2)               |
| JCD600WS/A2 |                              | 100,120   | 600       | 18600                       | 3400             | 25                   | 22              | 61     | 37     | G6.35-1.5 | CC-6     | 2                 |
| JCD600WC/A2 |                              | 100,120   | 600       | 17000                       | 3200             | 75                   | 22              | 61     | 37     | G6.35-1.5 | CC-6     | 2                 |
| JCD650WS/B  |                              | 100,120   | 650       | 20000                       | 3400             | 25                   | 22              | 63     | 36.5   | GY9.5     | CC-6     | 3                 |
| JCD650WC/B  |                              | 100,120   | 650       | 18200                       | 3200             | 50                   | 24              | 66     | 36.5   | GY9.5     | CC-6     | 3                 |
| JCD650WC/B  | DYR                          | 220/230   | 650       | 16500                       | 3200             | 50                   | 24              | 66     | 36.5   | GY9.5     | 2CC-8    | 4                 |
|             |                              | 240/250   | 650       | 16500                       | 3200             | 50                   | 24              | 66     | 36.5   | GY9.5     | 2CC-8    | 4                 |
| JCD530WC/B  | DYR A1/244                   | 220/230   | 530       | 14500                       | 3200             | 50                   | 22              | 66     | 36.5   | GY9.5     | 2CC-8    | 5                 |
|             |                              | 240       | 530       | 14500                       | 3200             | 50                   | 22              | 66     | 36.5   | GY9.5     | 2CC-8    | 5                 |

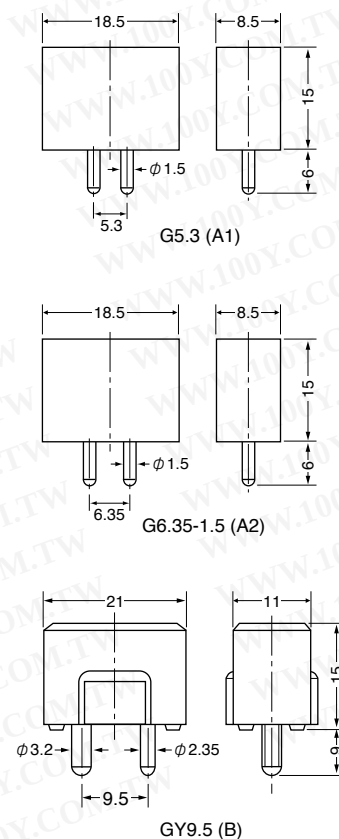
Burning position: Any

Remarks : A = Burning position Base down  $\pm 90^\circ$

## LAMP FIGURES unit : mm



### BASE TYPE



# Miscellaneous Projector Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

| Type             | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base    | Filament | Fig. No. |
|------------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|---------|----------|----------|
|                  |                              |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |         |          |          |
| JC12V20W20H/G1   |                              | 12        | 20        | 350                         | 2850             | 2000                 | 11.0            | 44     | 30     | G6.35   | C-6      | 1        |
| JC12V20W20H/G2   |                              | 12        | 20        | 350                         | 2850             | 2000                 | 11.0            | 44     | 30     | GY6.35  | C-6      | 2        |
| JC12V20W20H/G4   |                              | 12        | 20        | 350                         | 2850             | 2000                 | 9.0             | 33     | 19.5   | G4      | C-6      | 3        |
| JC12V35W20H/G1   |                              | 12        | 35        | 560                         | 2900             | 2000                 | 11.0            | 44     | 30     | G6.35   | C-6      | 4        |
| JC12V35W20H/G2   |                              | 12        | 35        | 560                         | 2900             | 2000                 | 11.0            | 44     | 30     | GY6.35  | C-6      | 5        |
| JC12V50W20H/G1   |                              | 12        | 50        | 950                         | 3000             | 2000                 | 11.0            | 44     | 30     | G6.35   | C-6      | 1        |
| JC12V50W20H/G2   |                              | 12        | 50        | 950                         | 3000             | 2000                 | 11.0            | 44     | 30     | GY6.35  | C-6      | 2        |
| JC12V50W20H/G2S  | M32                          | 12        | 50        | 850                         | 3000             | 2000                 | 11.0            | 44     | 30     | GY6.35S | C-Bar-6  | 6        |
| JC24V50W20H/G1   |                              | 24        | 50        | 850                         | 2950             | 2000                 | 11.0            | 44     | 30     | G6.35   | C-Bar-6  | 7        |
| JCD24V55W10H/G1  |                              | 24        | 55        | 990                         | 3000             | 1000                 | 11.0            | 40     | 27.8   | G6.35   | CC-8     | 8        |
| JCD24V75W20H/G1  |                              | 24        | 75        | 1350                        | 3000             | 2000                 | 11.0            | 44     | 30     | G6.35   | CC-6     | 9        |
| JC12V100W10H/G2  |                              | 12        | 100       | 2200                        | 3100             | 1000                 | 11.0            | 44     | 30     | GY6.35  | C-Bar-6  | 10       |
| JC12V100W20H/G1  |                              | 12        | 100       | 2000                        | 3000             | 2000                 | 11.0            | 44     | 30     | G6.35   | C-Bar-6  | 7        |
| JC12V100W20H/G2  |                              | 12        | 100       | 2000                        | 3000             | 2000                 | 11.0            | 44     | 30     | GY6.35  | C-Bar-6  | 10       |
| JC12V100W20H/G2S | M28                          | 12        | 100       | 2000                        | 3000             | 2000                 | 11.0            | 44     | 30     | GY6.35S | C-Bar-6  | 6        |
| JC12V100W10H/B   | DZZ                          | 12        | 100       | 2200                        | 3000             | 1000                 | 11.0            | 52     | 27     | GY9.5   | C-Bar-6  | 11       |
| JCD24V100W20H/G1 |                              | 24        | 100       | 1800                        | 3000             | 2000                 | 11.0            | 44     | 30     | G6.35   | CC-6     | 9        |
| JC24V150W10H/G1  |                              | 24        | 150       | 3450                        | 3100             | 1000                 | 13.5            | 50     | 30     | G6.35   | C-Bar-6  | 12       |
| JC24V150W20H/G1  |                              | 24        | 150       | 3150                        | 3000             | 2000                 | 13.5            | 50     | 30     | G6.35   | C-Bar-6  | 12       |

Burning position: Any

## LAMP FIGURES unit : mm

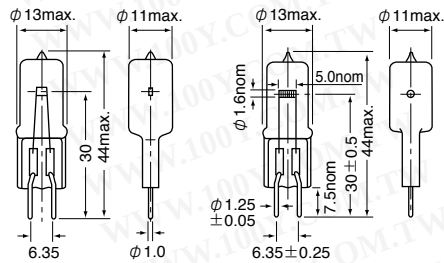


Fig.1

Fig.2

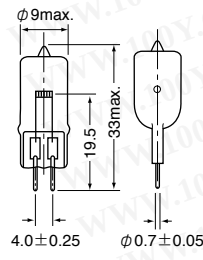


Fig.3

Fig.4

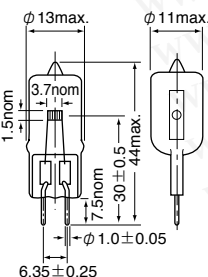


Fig.5

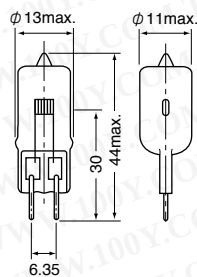


Fig.6

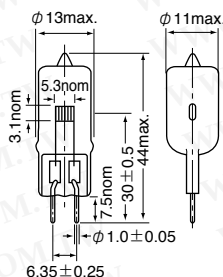


Fig.7

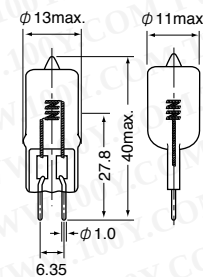


Fig.8

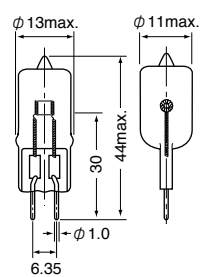


Fig.9

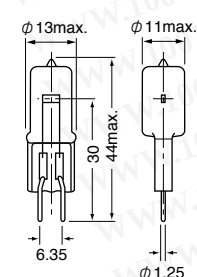


Fig.10

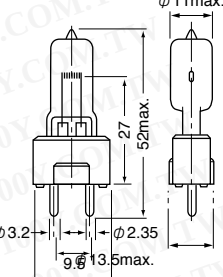


Fig.11

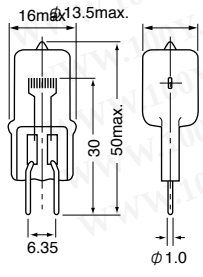
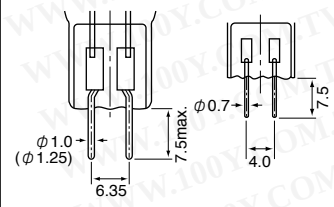


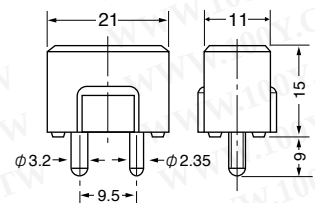
Fig.12

## BASE TYPE

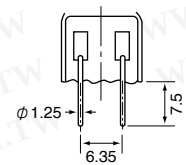


G6.35 (G1)  
GY6.35 (G2)

G4 (G4)



GY9.5 (B)



GY6.35S (G2S)



## Miscellaneous Projector Halogen Lamps

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## PHYSICAL DATA AND CHARACTERISTICS

| Type             | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base   | Filament | Fig.No. & Remarks |
|------------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|--------|----------|-------------------|
|                  |                              |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |        |          |                   |
| JCR9.5V55W15H/G1 |                              | 9.5       | 55        | —                           | 3000             | 1500                 | 50.0            | 42     | —      | GZ6.35 | C-8      | 1A                |
| JCR12V75W15H/G1  |                              | 12        | 75        | —                           | 3000             | 1500                 | 50.0            | 42     | —      | GZ6.35 | C-8      | 1B                |
| JC24V200W20H/G1  |                              | 24        | 200       | 4400                        | 3000             | 2000                 | 13.5            | 50     | 30     | G6.35  | C-Bar-6  | 3                 |
| JC24V250W3H/G1   | M33                          | 24        | 250       | 6750                        | 3300             | 300                  | 13.5            | 55     | 33     | G6.35  | C-Bar-6  | 4                 |
| JC24V250W20H/G1  | M36                          | 24        | 250       | 5500                        | 3000             | 2000                 | 13.5            | 55     | 33     | G6.35  | C-Bar-6  | 4                 |

Burning position: Any

Remarks :

A=Aluminium reflector

B=Dichroic mirror

## LAMP FIGURES unit : mm

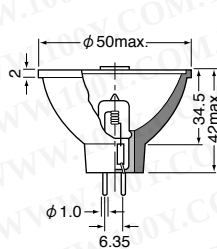


Fig.1

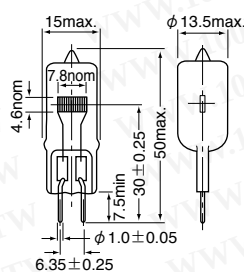


Fig.2

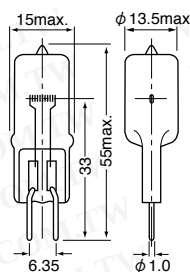
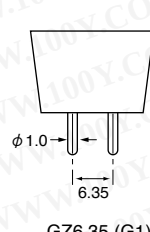
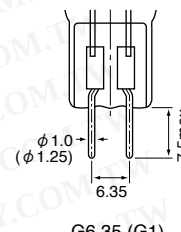


Fig.3

## BASE TYPE



GZ6.35 (G1)



G6.35 (G1)

## PHYSICAL DATA AND CHARACTERISTICS

| Type        | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs) | Dimensions (mm) |        |        | Base  | Filament | Fig.No. |
|-------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|--------|-------|----------|---------|
|             |                              |           |           |                             |                  |                      | M.D.            | M.O.L. | L.C.L. |       |          |         |
| JCD150WL/G1 |                              | 100,120   | 150       | 3300                        | 3100             | 300                  | 13.5            | 50     | 30     | G6.35 | CC-6     | 1       |
| JCD200WL/G1 |                              | 100,120   | 200       | 4400                        | 3100             | 300                  | 15.5            | 50     | 33     | G6.35 | CC-6     | 1       |
| JCD200WL/G1 |                              | 220/230   | 200       | 4000                        | 3000             | 150                  | 15.5            | 63     | 40     | G6.35 | CC-13    | 2       |
|             |                              | 240/250   | 200       | 4000                        | 3000             | 150                  | 15.5            | 63     | 40     | G6.35 | CC-13    | 2       |
| JCD250WL/G1 |                              | 100,120   | 250       | 5750                        | 3100             | 300                  | 15.5            | 50     | 33     | G6.35 | CC-6     | 1       |
| JCD250WL/G1 |                              | 220/230   | 250       | 5000                        | 3100             | 200                  | 15.5            | 63     | 40     | G6.35 | CC-13    | 2       |
|             |                              | 240/250   | 250       | 5000                        | 3100             | 200                  | 15.5            | 63     | 40     | G6.35 | CC-13    | 2       |
| JCD300WL/G1 | DRA                          | 100,120   | 300       | 6900                        | 3100             | 300                  | 15.3            | 50     | 33     | G6.35 | CC-6     | 1       |
| JCD300WL/G1 | A1/249                       | 220/230   | 300       | 6600                        | 3100             | 300                  | 21.0            | 63     | 40     | G6.35 | CC-13    | 2       |
|             |                              | 240/250   | 300       | 6600                        | 3100             | 300                  | 21.0            | 63     | 40     | G6.35 | CC-13    | 2       |

Burning position: Any

## LAMP FIGURES unit : mm

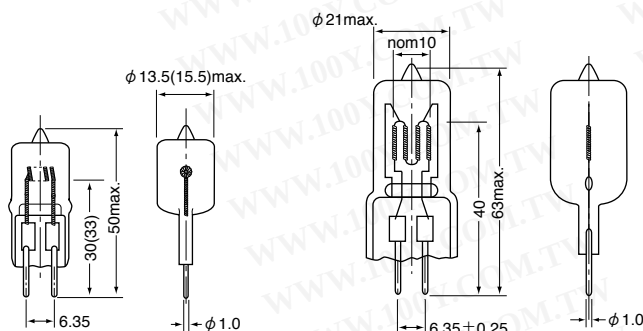


Fig.1

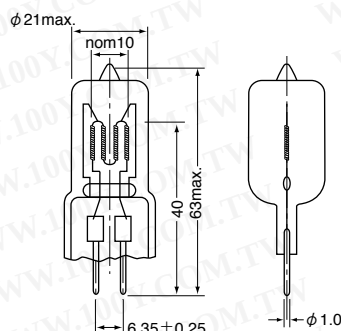
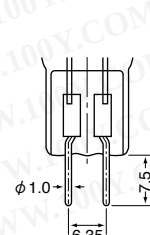
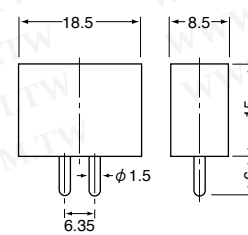


Fig.2

## BASE TYPE



G6.35



G6.35-1.5 (A2)

# Photographic Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

| Type         | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs) | Dimensions (mm) |        |          |             | Filament | Fig. No. |
|--------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|----------|-------------|----------|----------|
|              |                              |           |           |                             |                  |                      | M.D. d          | L.L. a | M.O.L. l | C to B.E. c |          |          |
| JPD250W/DXM  | DXM                          | 30        | 250       | 8400                        | 3400             | 12                   | 14.0            | 8      | 59.6     | 56.6        | CC-8     | 1        |
| JPD375W/DWZ  | DWZ                          | 30        | 375       | 7200                        | 3000             | 1000                 | 14.0            | 10     | 79.3     | 76.3        | CC-8     | 1        |
| JPD420WC/FAL | FAL A1/227                   | 120       | 420       | 11000                       | 3200             | 75                   | 14.0            | 19     | 66.9     | 63.6        | CC-8     | 1        |
| JPD650WC     |                              | 220/230   | 650       | 16250                       | 3200             | 100                  | 14.0            | 26     | 79.3     | 76.3        | CC-8     | 1        |
|              |                              | 240       | 650       | 16250                       | 3200             | 100                  | 14.0            | 26     | 79.3     | 76.3        | CC-8     | 1        |
| JPD650WS     |                              | 220/230   | 650       | 19500                       | 3400             | 25                   | 14.0            | 26     | 79.3     | 76.3        | CC-8     | 1        |
|              |                              | 240       | 650       | 19500                       | 3400             | 25                   | 14.0            | 26     | 79.3     | 76.3        | CC-8     | 1        |
| JPD800WC/DXX | DXX P2/13                    | 220/230   | 800       | 20000                       | 3200             | 75                   | 14.0            | 29     | 79.3     | 76.3        | CC-8     | 1        |
|              |                              | 240       | 800       | 20000                       | 3200             | 75                   | 14.0            | 29     | 79.3     | 76.3        | CC-8     | 1        |
| JPD600WC/FCB | FCB A1/228                   | 120       | 600       | 16250                       | 3200             | 75                   | 14.0            | 19     | 93.6     | 90.2        | CC-8     | 1        |
| JPD600WC/FEB | FEB A1/228                   | 220/230   | 600       | 15000                       | 3200             | 75                   | 14.0            | 19     | 93.6     | 90.2        | CC-8     | 1        |
| JPD600WC/FEA | FEA A1/228                   | 240       | 600       | 15000                       | 3200             | 75                   | 14.0            | 19     | 93.6     | 90.2        | CC-8     | 1        |

Burning position: Any  
Base: R7s

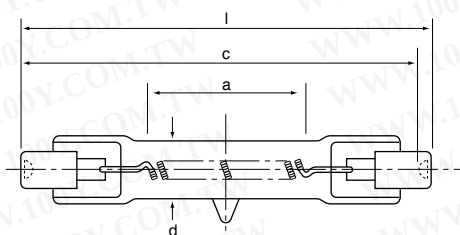


Fig. 1

## PHYSICAL DATA AND CHARACTERISTICS

| Type          | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs) | Dimensions (mm) |        |          |             | Filament | Fig. No. |
|---------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|----------|-------------|----------|----------|
|               |                              |           |           |                             |                  |                      | M.D. d          | L.L. a | M.O.L. l | C to B.E. c |          |          |
| JP1000WS      | P1/12                        | 220/230   | 1000      | 32000                       | 3400             | 15                   | 11.0            | 80     | 127.0    | 124         | C-8      | 1        |
| JPD650WS/DWY  | DWY P1/9                     | 115/120   | 650       | 19500                       | 3400             | 25                   | 14.0            | 25     | 79.3     | 76.3        | CC-8     | 1        |
| JPD1000WS/DXN | DXN                          | 120       | 1000      | 30000                       | 3400             | 30                   | 16.0            | 25     | 95.1     | 92.1        | CC-8     | 1        |
| JCR150W/G1/A1 |                              | 100       | 150       | —                           | 3000             | 50                   | 50.0            | —      | —        | —           | CC-8     | 2        |

Burning position: Any

## LAMP FIGURES unit : mm

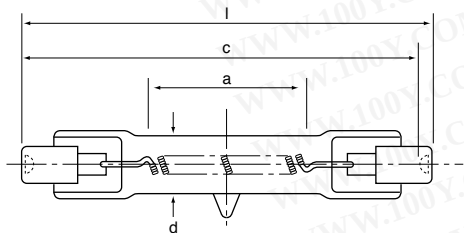


Fig. 1

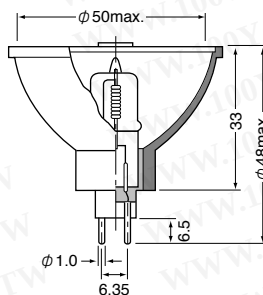
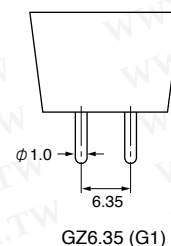


Fig. 2

### BASE TYPE



GZ6.35 (G1)

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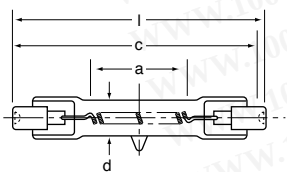
# Studio Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

| Type            | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs) | Dimensions (mm) |        |          |             | Filament | Fig. No. |
|-----------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|----------|-------------|----------|----------|
|                 |                              |           |           |                             |                  |                      | M.D. d          | L.L. a | M.O.L. l | C to B.E. c |          |          |
| JPD250W/DXM     | DXM                          | 30        | 250       | 8400                        | 3400             | 12                   | 14.0            | 8.0    | 59.6     | 56.6        | CC-8     | 1        |
| JPD375W/DWZ     | DWZ                          | 30        | 375       | 7200                        | 3000             | 1000                 | 14.0            | 10.0   | 79.3     | 76.3        | CC-8     | 1        |
| JPD400WC/FDA    | FDA                          | 120       | 400       | 10400                       | 3100             | 200                  | 14.0            | 25.0   | 79.3     | 76.3        | CC-8     | 1        |
| JPD400W20H/EHR  | EHR                          | 120       | 400       | 7500                        | 3000             | 2000                 | 14.0            | 20.0   | 79.3     | 76.3        | CC-8     | 1        |
| JPD420WC/FAL    | FAL                          | 120       | 420       | 11000                       | 3200             | 75                   | 14.0            | 19.0   | 66.9     | 63.6        | CC-8     | 1        |
| ※ JPD500WC/FGD  | FGD                          | 120       | 500       | 13000                       | 3200             | 100                  | 14.0            | 19.0   | 79.3     | 76.3        | CC-8     | 1        |
| JPD600WC/FFJ    | FFJ                          | 120       | 600       | 17000                       | 3200             | 75                   | 14.0            | 19.0   | 66.9     | 63.6        | CC-8     | 1        |
| JPD600WC/FCB    | FCB                          | 120       | 600       | 16250                       | 3200             | 75                   | 14.0            | 19.0   | 93.6     | 90.2        | CC-8     | 1        |
| JPD600WC/FEB    | FEB, A1/228                  | 220/230   | 600       | 15000                       | 3200             | 75                   | 14.0            | 19.0   | 93.6     | 90.2        | CC-8     | 1        |
| JPD600WC/FEA    | FEA, A1/228                  | 240       | 600       | 15000                       | 3200             | 75                   | 14.0            | 19.0   | 93.6     | 90.2        | CC-8     | 1        |
| JPD650WC/FAD    | FAD                          | 120       | 650       | 16500                       | 3200             | 100                  | 14.0            | 25.0   | 79.3     | 76.3        | CC-8     | 1        |
| JPD650WC        | —                            | 220/230   | 650       | 16250                       | 3200             | 100                  | 14.0            | 26.0   | 79.3     | 76.3        | CC-8     | 1        |
| JPD650WC        | —                            | 240/250   | 650       | 16250                       | 3200             | 100                  | 14.0            | 26.0   | 79.3     | 76.3        | CC-8     | 1        |
| ※ JPD650WC      | —                            | 240       | 650       | 16250                       | 3200             | 100                  | 14.0            | 26.0   | 79.3     | 76.3        | CC-8     | 1        |
| ※ JPD650WS      | —                            | 220/230   | 650       | 19500                       | 3400             | 25                   | 14.0            | 26.0   | 79.3     | 76.3        | CC-8     | 1        |
| ※ JPD650WS      | —                            | 240       | 650       | 19500                       | 3400             | 25                   | 14.0            | 26.0   | 79.3     | 76.3        | CC-8     | 1        |
| JPD650WS/DWY    | DWY, P1/9                    | 115/120   | 650       | 19500                       | 3400             | 25                   | 14.0            | 25.0   | 79.3     | 76.3        | CC-8     | 1        |
| ※ JPD750WC/FGB  | FGB                          | 120       | 750       | 19500                       | 3200             | 125                  | 16.0            | 26.0   | 95.1     | 92.1        | CC-8     | 1        |
| JPD800WC/DXX    | DXX                          | 220/230   | 800       | 20000                       | 3200             | 75                   | 14.0            | 29.0   | 79.3     | 76.3        | CC-8     | 1        |
| ※ JPD800WC/DXX  | DXX                          | 240       | 800       | 20000                       | 3200             | 75                   | 14.0            | 29.0   | 79.3     | 76.3        | CC-8     | 1        |
| JPD1000WS/DXN   | DXN                          | 120       | 1000      | 30000                       | 3400             | 30                   | 16.0            | 25.0   | 95.1     | 92.1        | CC-8     | 1        |
| ※ JPD1000WC/DXW | DXW                          | 120       | 1000      | 25000                       | 3200             | 150                  | 16.0            | 25.0   | 95.1     | 92.1        | CC-8     | 1        |
| ※ JPD1000WC/DYN | DYN                          | 120       | 1000      | 24500                       | 3100             | 150                  | 16.0            | 28.0   | 111.1    | 108.1       | CC-8     | 1        |
| ※ JPD1000WC/DYA | DYA                          | 120       | 1000      | 28000                       | 3200             | 200                  | 16.0            | 28.0   | 111.1    | 108.1       | CC-8     | 1        |
| ※ JPD1000W/DWT  | DWT                          | 120       | 1000      | 23400                       | 3000             | 2000                 | 19.0            | 20.0   | 142.9    | 138.8       | CC-8     | 1        |
| ※ JPD1000WC/FER | FER                          | 120       | 1000      | 27500                       | 3200             | 500                  | 19.0            | 20.0   | 142.9    | 138.8       | CC-8     | 1        |
| ※ JPD2000WC/FEY | FEY                          | 120       | 1000      | 57000                       | 3200             | 400                  | 25.0            | 25.0   | 142.9    | 138.8       | CC-8     | 1        |
| ※ JPD2000WC/FEX | FEX                          | 220/230   | 2000      | 50000                       | 3200             | 200                  | 26.0            | 35.0   | 142.9    | 138.8       | CC-8     | 1        |
| ※ JPD2000WC/FEX | FEX                          | 240       | 2000      | 50000                       | 3200             | 200                  | 26.0            | 35.0   | 142.9    | 138.9       | CC-8     | 1        |

※ Minimum order quantity is required.

## LAMP FIGURES unit : mm



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## PHYSICAL DATA AND CHARACTERISTICS

| Type           | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs) | Dimensions (mm) |        |          |             | Filament | Fig. No. |
|----------------|------------------------------|-----------|-----------|-----------------------------|------------------|----------------------|-----------------|--------|----------|-------------|----------|----------|
|                |                              |           |           |                             |                  |                      | M.D. d          | L.L. a | M.O.L. l | C to B.E. c |          |          |
| JP425WC1       | —                            | 115/120   | 425       | 10600                       | 3200             | 300                  | 11.0            | 62.0   | 119.0    | 117.6       | C-8      | 1        |
| JP500WC1/FDF   | FDF                          | 120       | 500       | 13000                       | 3200             | 400                  | 11.0            | 75.0   | 119.0    | 117.6       | C-8      | 1        |
| JP500WC1       | —                            | 115/120   | 500       | 13250                       | 3200             | 400                  | 11.0            | 68.0   | 119.0    | 117.6       | C-8      | 1        |
| JP625WC1       | P2/15                        | 115/120   | 625       | 16250                       | 3200             | 75                   | 11.0            | 68.0   | 119.0    | 117.6       | C-8      | 1        |
| ※ JP625WC1     | P2/15                        | 220/230   | 625       | 16250                       | 3200             | 150                  | 11.0            | 68.0   | 119.0    | 117.6       | C-8      | 1        |
| ※ JP625WC1     | P2/15                        | 240       | 625       | 16250                       | 3200             | 150                  | 11.0            | 68.0   | 119.0    | 117.6       | C-8      | 1        |
| ※ JP800WC1     | P2/11                        | 220/230   | 800       | 21600                       | 3200             | 150                  | 11.0            | 68.0   | 119.0    | 117.6       | C-8      | 1        |
| JP1000WC1      | —                            | 115/120   | 1000      | 26000                       | 3200             | 300                  | 11.0            | 75.0   | 119.0    | 117.6       | C-8      | 1        |
| JP1000WC1/FCM  | FCM                          | 120       | 1000      | 27000                       | 3200             | 400                  | 11.0            | 65.0   | 119.0    | 117.6       | C-8      | 1        |
| JP1000WC1      | —                            | 220/230   | 1000      | 26000                       | 3200             | 300                  | 11.0            | 75.0   | 119.0    | 117.6       | C-8      | 1        |
| JP1000WC2      | —                            | 115/120   | 1000      | 25000                       | 3200             | 200                  | 11.0            | 75.0   | 127.0    | 125.6       | C-8      | 1        |
| JP1000WC2      | —                            | 220/230   | 1000      | 25000                       | 3200             | 200                  | 11.0            | 75.0   | 127.0    | 125.6       | C-8      | 1        |
| ※ JP1000WC2    | —                            | 240       | 1000      | 25000                       | 3200             | 200                  | 11.0            | 75.0   | 127.0    | 125.6       | C-8      | 1        |
| ※ JP1000WS     | P1/12                        | 220/230   | 1000      | 32000                       | 3400             | 15                   | 11.0            | 80.0   | 127.0    | 124.0       | C-8      | 1        |
| ※ JP1000WC3    | P2/7                         | 115/120   | 1000      | 26000                       | 3200             | 200                  | 11.0            | 115.0  | 190.5    | 189.1       | C-8      | 1        |
| JP1000WC3      | P2/7                         | 220/230   | 1000      | 26000                       | 3200             | 200                  | 11.0            | 133.0  | 190.5    | 189.1       | C-8      | 1        |
| JP1000WC3      | P2/7                         | 240       | 1000      | 26000                       | 3200             | 200                  | 11.0            | 133.0  | 190.5    | 189.1       | C-8      | 1        |
| JP1000W1/FHM   | FHM                          | 120       | 1000      | 26000                       | 3200             | 400                  | 11.0            | 65.0   | 119.0    | 117.6       | C-8      | 1        |
| JP1250WC3      | P2/12                        | 115/120   | 1250      | 33500                       | 3200             | 200                  | 11.0            | 120.0  | 190.5    | 189.1       | C-8      | 1        |
| ※ JP1250WC3    | P2/12                        | 220/230   | 1250      | 33500                       | 3200             | 200                  | 11.0            | 138.0  | 190.5    | 189.1       | C-8      | 1        |
| ※ JP1250WC3    | P2/12                        | 240       | 1250      | 33500                       | 3200             | 200                  | 11.0            | 138.0  | 190.5    | 189.1       | C-8      | 1        |
| ※ JP2000WC     | —                            | 220/230   | 2000      | 54000                       | 3200             | 200                  | 11.0            | 260.0  | 333.5    | 331.9       | C-8      | 1        |
| ※ JP2000WC     | —                            | 240       | 2000      | 54000                       | 3200             | 200                  | 11.0            | 260.0  | 333.5    | 331.9       | C-8      | 1        |
| JP2000W10H/Fa4 | —                            | 220/230   | 2000      | 47000                       | 3050             | 1000                 | 11.0            | 250.0  | 334.4    | —           | C-8      | 2        |
| JP2000W10H/Fa4 | —                            | 240       | 2000      | 47000                       | 3050             | 1000                 | 11.0            | 250.0  | 334.4    | —           | C-8      | 2        |

※Minimum order quantity is required.

## LAMP FIGURES unit : mm

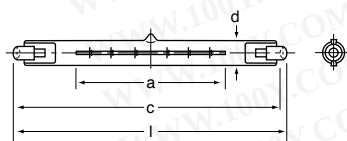


Fig.1

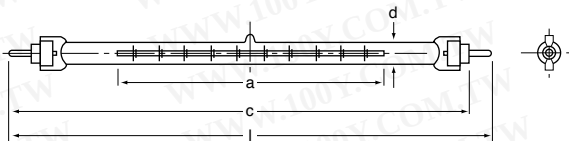


Fig.2

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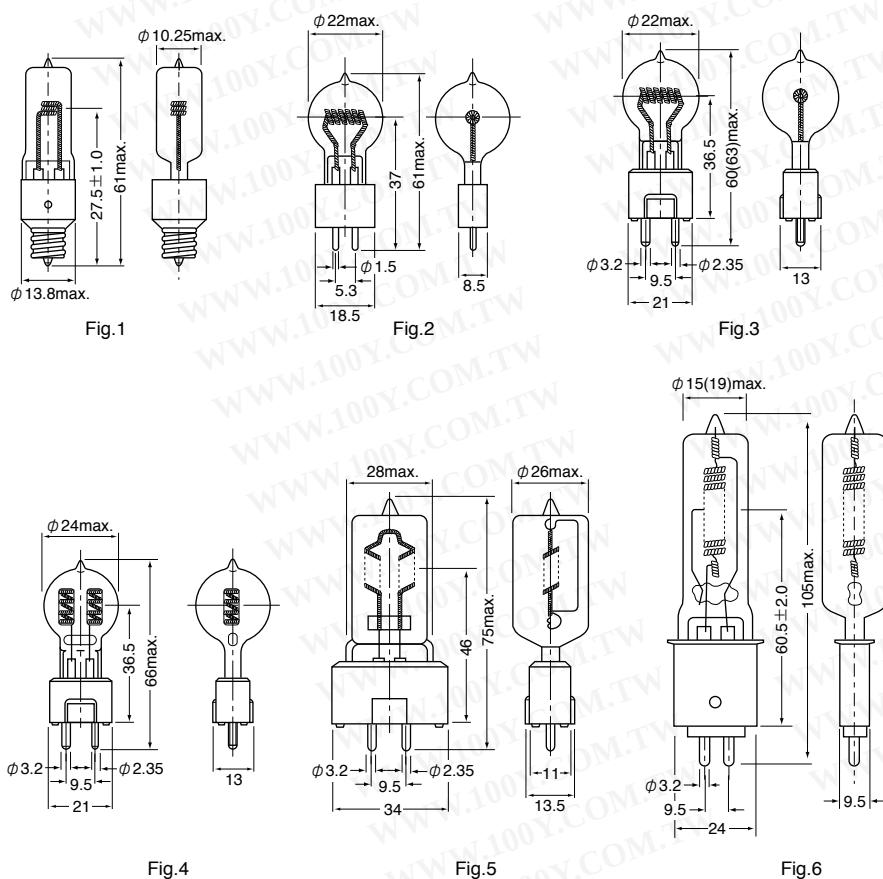
## Studio Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

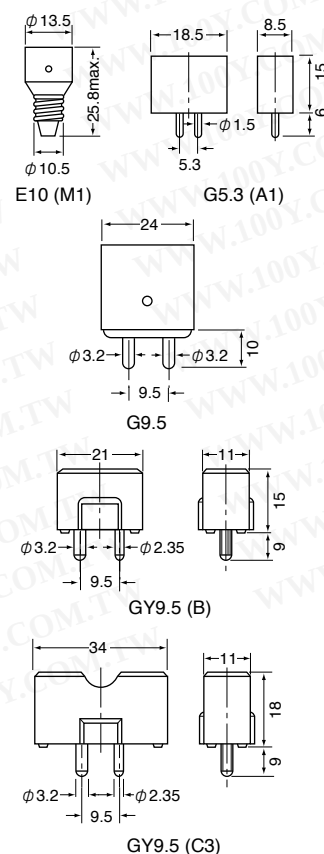
| Type           | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs.) | Dimensions (mm) |        |        | Base  | Filament | Fig.No. & Remarks |
|----------------|------------------------------|-----------|-----------|-----------------------------|------------------|-----------------------|-----------------|--------|--------|-------|----------|-------------------|
|                |                              |           |           |                             |                  |                       | M.D.            | M.O.L. | L.C.L. |       |          |                   |
| JCD30V250WSB/B | DYG                          | 30        | 250       | 7500                        | 3300             | 30                    | 22.0            | 60     | 36.5   | GY9.5 | CC-6     | 3                 |
| JCD30V250W/M1  | FBV                          | 30        | 250       | 7000                        | 3400             | 30                    | 10.3            | 61     | 27.5   | E10   | CC-8     | 1                 |
| JCD250WC/A1    |                              | 120       | 250       | 6250                        | 3200             | 75                    | 22.0            | 61     | 37.0   | G5.3  | CC-6     | 2 Video           |
| JCD600WC/A1    | DYH                          | 120       | 600       | 17000                       | 3200             | 75                    | 22.0            | 61     | 37.0   | G5.3  | CC-6     | 2                 |
| JCD650WC/A1    | DVY                          | 120       | 650       | 20000                       | 3400             | 25                    | 22.0            | 61     | 37.0   | G5.3  | CC-6     | 2                 |
| JCD600WC/B     | DYS                          | 120       | 600       | 17000                       | 3200             | 75                    | 22.0            | 63     | 36.5   | GY9.5 | CC-6     | 3                 |
| JCD650WC/B     |                              | 120       | 650       | 18200                       | 3200             | 75                    | 22.0            | 63     | 36.5   | GY9.5 | CC-6     | 3                 |
| JCD650WS/B     | EKD                          | 120       | 650       | 20000                       | 3400             | 25                    | 22.0            | 63     | 36.5   | GY9.5 | CC-6     | 3                 |
| JCD650WC/B     | DYR                          | 220/230   | 650       | 16500                       | 3200             | 50                    | 24.0            | 66     | 36.5   | GY9.5 | 2CC-8    | 4                 |
|                |                              | 240/250   | 650       | 16500                       | 3200             | 50                    | 24.0            | 66     | 36.5   | GY9.5 | 2CC-8    | 4                 |
| JPD750WB/G9.5  |                              | 220/230   | 750       | 16500                       | 3000             | 750                   | 15.0            | 105    | 60.5   | G9.5  | CC-8     | 6                 |
|                |                              | 240       | 750       | 16500                       | 3000             | 750                   | 15.0            | 105    | 60.5   | G9.5  | CC-8     | 6                 |
| JPD1000WC/G9.5 | FEL                          | 100       | 1000      | 28000                       | 3200             | 300                   | 19.0            | 105    | 60.5   | G9.5  | CC-8     | 6                 |
|                |                              | 120       | 1000      | 28000                       | 3200             | 300                   | 19.0            | 105    | 60.5   | G9.5  | CC-8     | 6                 |
| JPD1000WC/G9.5 | FEP                          | 220/230   | 1000      | 25000                       | 3200             | 150                   | 19.0            | 105    | 60.5   | G9.5  | CC-8     | 6                 |
|                |                              | 240/250   | 1000      | 25000                       | 3200             | 150                   | 19.0            | 105    | 60.5   | G9.5  | CC-8     | 6                 |
| JPD1000WB/G9.5 |                              | 220/230   | 1000      | 22000                       | 3050             | 500                   | 19.0            | 105    | 60.5   | G9.5  | CC-8     | 6                 |
|                |                              | 240/250   | 1000      | 22000                       | 3050             | 500                   | 19.0            | 105    | 60.5   | G9.5  | CC-8     | 6                 |
| JCD1000WC/C3   |                              | 100       | 1000      | 28000                       | 3200             | 75                    | 26.0            | 75     | 46.0   | GY9.5 | 2CC-8    | 5                 |
|                |                              | 120       | 1000      | 28000                       | 3200             | 75                    | 26.0            | 75     | 46.0   | GY9.5 | 2CC-8    | 5                 |
| JCD1000WC/C3   |                              | 220/230   | 1000      | 26000                       | 3100             | 75                    | 26.0            | 80     | 46.0   | GY9.5 | 2CC-8    | 5                 |
|                |                              | 240/250   | 1000      | 26000                       | 3100             | 75                    | 26.0            | 80     | 46.0   | GY9.5 | 2CC-8    | 5                 |

Burning position: Any

## LAMP FIGURES unit : mm



## BASE TYPE



## PHYSICAL DATA AND CHARACTERISTICS

| Type            | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs.) | Dimensions (mm) |        |        | Base  | Filament | Fig. No. |
|-----------------|------------------------------|-----------|-----------|-----------------------------|------------------|-----------------------|-----------------|--------|--------|-------|----------|----------|
|                 |                              |           |           |                             |                  |                       | M.D.            | M.O.L. | L.C.L. |       |          |          |
| JP650WC/GX/55   | CP23/47                      | 115/120   | 650       | 17000                       | 3200             | 100                   | 22.0            | 110    | 55.0   | GX9.5 | C-13×8   | 1        |
| JP650WC/GX/55   | CP23                         | 220/230   | 650       | 16800                       | 3200             | 100                   | 22.0            | 110    | 55.0   | GX9.5 | C-13×8   | 1        |
|                 |                              | 240       | 650       | 16800                       | 3200             | 100                   | 22.0            | 110    | 55.0   | GX9.5 | C-13×8   | 1        |
| JP1000C/GX/55   | CP24                         | 115/120   | 1000      | 27000                       | 3200             | 200                   | 25.0            | 110    | 55.0   | GX9.5 | C-13×8   | 1        |
| JP1000C/GX/55   | CP24                         | 220/230   | 1000      | 26000                       | 3200             | 200                   | 25.0            | 110    | 55.0   | GX9.5 | C-13×8   | 1        |
|                 |                              | 240       | 1000      | 26000                       | 3200             | 200                   | 25.0            | 110    | 55.0   | GX9.5 | C-13×8   | 1        |
| ※ JP650WC/G22   | CP39                         | 115/120   | 650       | 17000                       | 3200             | 100                   | 22.0            | 140    | 63.5   | G22   | C-13×8   | 3        |
| ※ JP650WC/G22   | CP39                         | 220/230   | 650       | 16800                       | 3200             | 100                   | 22.0            | 140    | 63.5   | G22   | C-13×8   | 3        |
|                 |                              | 240       | 650       | 16800                       | 3200             | 100                   | 22.0            | 140    | 63.5   | G22   | C-13×8   | 3        |
| ※ JP1000WC/G22  | CP40                         | 220/230   | 1000      | 26000                       | 3200             | 200                   | 25.0            | 140    | 63.5   | G22   | C-13×8   | 3        |
|                 |                              | 240       | 1000      | 26000                       | 3200             | 200                   | 25.0            | 140    | 63.5   | G22   | C-13×8   | 3        |
| ※ JP2000WC/GY16 | CP43                         | 220/230   | 2000      | 54000                       | 3200             | 400                   | 30.0            | 145    | 70.0   | GY16  | C-13×8   | 2        |
|                 |                              | 240       | 2000      | 57000                       | 3200             | 400                   | 30.0            | 145    | 70.0   | GY16  | C-13×8   | 2        |
| ※ JP650WC/P28S  | CP51/69                      | 115/120   | 650       | 17000                       | 3200             | 100                   | 22.0            | 130    | 55.5   | P28S  | C-13×8   | 4        |
| ※ JP650WC/P28S  | CP51/69                      | 220/230   | 650       | 16800                       | 3200             | 100                   | 22.0            | 130    | 55.5   | P28S  | C-13×8   | 4        |
|                 |                              | 240       | 650       | 16800                       | 3200             | 100                   | 22.0            | 130    | 55.5   | P28S  | C-13×8   | 4        |
| ※ JP1000WC/P28S | CP52                         | 115/120   | 1000      | 27000                       | 3200             | 200                   | 25.0            | 130    | 55.0   | P28S  | C-13×8   | 4        |
| ※ JP1000WC/P28S | CP52                         | 220/230   | 1000      | 26000                       | 3200             | 200                   | 25.0            | 130    | 55.0   | P28S  | C-13×8   | 4        |
|                 |                              | 240       | 1000      | 26000                       | 3200             | 200                   | 25.0            | 130    | 55.0   | P28S  | C-13×8   | 4        |

Burning position: Base down  $\pm 90^\circ$ 

※ Minimum order quantity is required

## LAMP FIGURES unit : mm

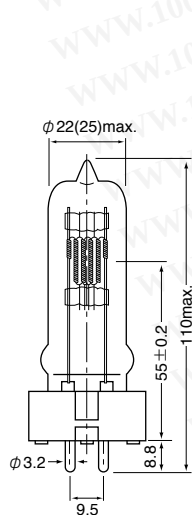


Fig.1

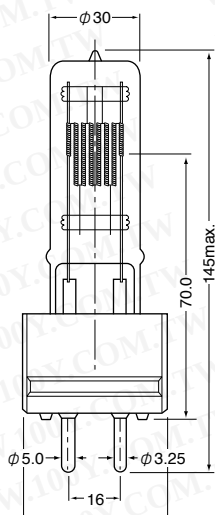


Fig.2

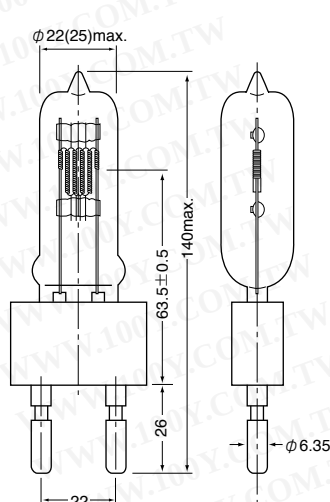


Fig.3

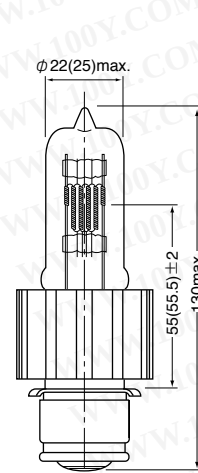


Fig.4

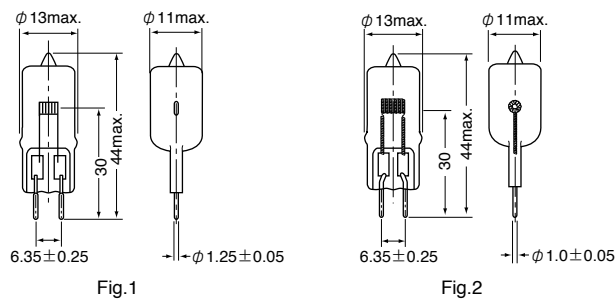
# Traffic Signal Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

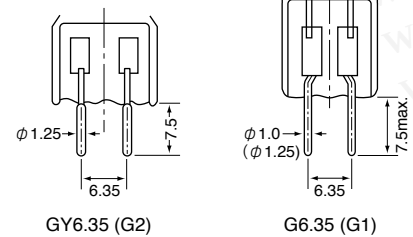
| Type             | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs.) | Dimensions (mm) |        |        | Base   | Filament | Fig. No. |
|------------------|------------------------------|-----------|-----------|-----------------------------|------------------|-----------------------|-----------------|--------|--------|--------|----------|----------|
|                  |                              |           |           |                             |                  |                       | M.D.            | M.O.L. | L.C.L. |        |          |          |
| JC12V50W20H/G2   | M32                          | 12        | 50        | 950                         | 3000             | 2000                  | 11.0            | 44     | 30     | GY6.35 | C-Bar-6  | 1        |
| JC12V100W20H/G2  | M28                          | 12        | 100       | 2000                        | 3000             | 2000                  | 11.0            | 44     | 30     | GY6.35 | C-Bar-6  | 1        |
| JCD24V100W20H/G1 |                              | 24        | 100       | 1800                        | 3000             | 2000                  | 11.0            | 44     | 30     | G6.35  | CC-6     | 2        |

Burning position: Any

## LAMP FIGURES unit : mm



### BASE TYPE



勝特力材料 886-3-5753170  
 勝特力電子 86-755-83298787  
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# Stage Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

| Type              | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs.) | Dimensions (mm) |        |        | Base  | Filament | Fig. No. |
|-------------------|------------------------------|-----------|-----------|-----------------------------|------------------|-----------------------|-----------------|--------|--------|-------|----------|----------|
|                   |                              |           |           |                             |                  |                       | M.D.            | M.O.L. | L.C.L. |       |          |          |
| JP500WB/GY/46     | T/18                         | 115/120   | 500       | 11000                       | 3050             | 300                   | 22.0            | 90     | 46.5   | GY9.5 | C-13×8   | 1        |
| JP500WB/GY/46     |                              | 220/230   | 500       | 11000                       | 3050             | 300                   | 22.0            | 90     | 46.5   | GY9.5 | C-13×8   | 1        |
| JP500WB/GY/46     |                              | 240       | 500       | 11000                       | 3050             | 300                   | 22.0            | 90     | 46.5   | GY9.5 | C-13×8   | 1        |
| JP650WB/GX/55     | T/12                         | 115/120   | 650       | 13500                       | 3000             | 750                   | 25.0            | 110    | 55.0   | GX9.5 | C-13×8   | 2        |
| JP650WB/GX/55     |                              | 220/230   | 650       | 13500                       | 3000             | 750                   | 25.0            | 110    | 55.0   | GX9.5 | C-13×8   | 2        |
| JP650WB/GX/55     |                              | 240       | 650       | 13500                       | 3000             | 750                   | 25.0            | 110    | 55.0   | GX9.5 | C-13×8   | 2        |
| JP650W/GY/46      | T/26                         | 220/230   | 650       | 14300                       | 3050             | 300                   | 22.0            | 90     | 46.5   | GY9.5 | C-13×8   | (2)      |
| JP650W/GY/46      |                              | 240       | 650       | 14300                       | 3050             | 300                   | 22.0            | 90     | 46.5   | GY9.5 | C-13×8   | (2)      |
| JP1000WB/GX/55    | T/11                         | 115/120   | 1000      | 23000                       | 3050             | 750                   | 25.0            | 110    | 55.0   | GX9.5 | C-13×8   | 2        |
| JP1000WB/GX/55-BP |                              | 220/230   | 1000      | 23000                       | 3050             | 750                   | 25.0            | 110    | 55.0   | GX9.5 | C-13D    | (2)      |
| JP1000WB/GX/55-BP |                              | 240       | 1000      | 23000                       | 3050             | 750                   | 25.0            | 110    | 55.0   | GX9.5 | C-13D    | (2)      |
| JP1000WB/GX/55    | T/11                         | 220/230   | 1000      | 23000                       | 3050             | 750                   | 25.0            | 110    | 55.0   | GX9.5 | C-13×8   | 2        |
| JP1000WB/GX/55    |                              | 240       | 1000      | 23000                       | 3050             | 750                   | 25.0            | 110    | 55.0   | GX9.5 | C-13×8   | 2        |

Burning position: Base down  $\pm 90^\circ$ 

## LAMP FIGURES unit : mm

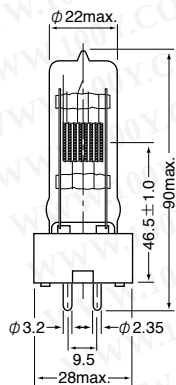


Fig. 1

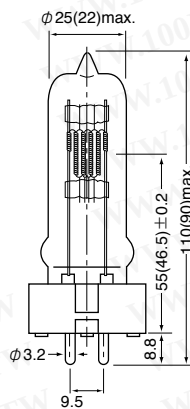
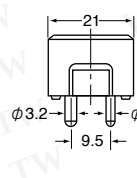
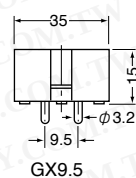
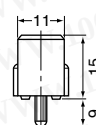


Fig. 2

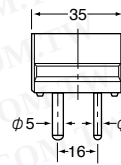
### BASE TYPE



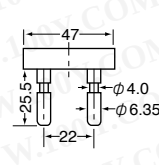
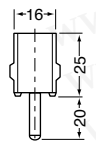
GY9.5



GX9.5



GY16



G22

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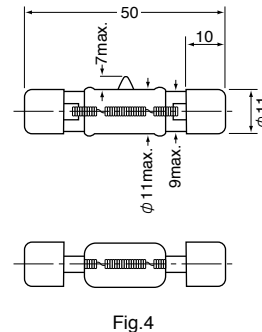
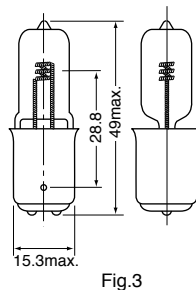
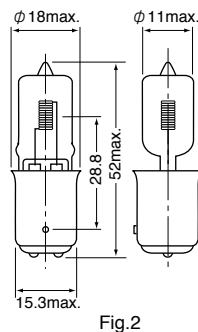
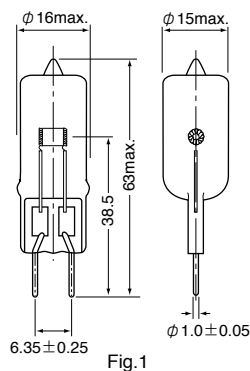
# Aircraft Use Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

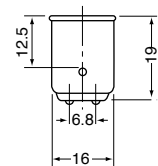
| Type             | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs.) | Dimensions (mm) |        |        | Base         | Filament | Fig. No. |
|------------------|-----------|-----------|-----------------------------|------------------|-----------------------|-----------------|--------|--------|--------------|----------|----------|
|                  |           |           |                             |                  |                       | M.D.            | M.O.L. | L.C.L. |              |          |          |
| JCD24V150W10H/G1 | 24        | 150       | 2700                        | 3000             | 1000                  | 15.0            | 63.0   | 38.5   | G6.35        | CC-6     | 1        |
| JCD26V150W10H/G1 | 26        | 150       | 2700                        | 3000             | 1000                  | 15.0            | 63.0   | 38.5   | G6.35        | CC-8     | 1        |
| JC12V125W10H/BD  | 12        | 125       | 2400                        | 3000             | 1000                  | 11.0            | 52.0   | 28.8   | BA15d/19     | C-8      | 2        |
| JCD24V150W5H/BD  | 24        | 150       | 3630                        | 3150             | 500                   | 14.0            | 49.0   | 28.8   | BA15d/19     | CC-8     | 3        |
| JCD26V150W5H/BD  | 26        | 150       | 3630                        | 3150             | 500                   | 14.0            | 49.0   | 28.8   | BA15d/19     | CC-8     | 3        |
| J10V100W         | 10        | 100       | 1800                        | 2950             | 2000                  | 11.0            | 52.0   |        | Metal Sleeve | C-8      | 4        |

Burning position: Any

## LAMP FIGURES unit : mm



### BASE TYPE



BA15d/19 (BD)

勝特力材料 886-3-5753170  
勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



# Airfeld Halogen Lamps

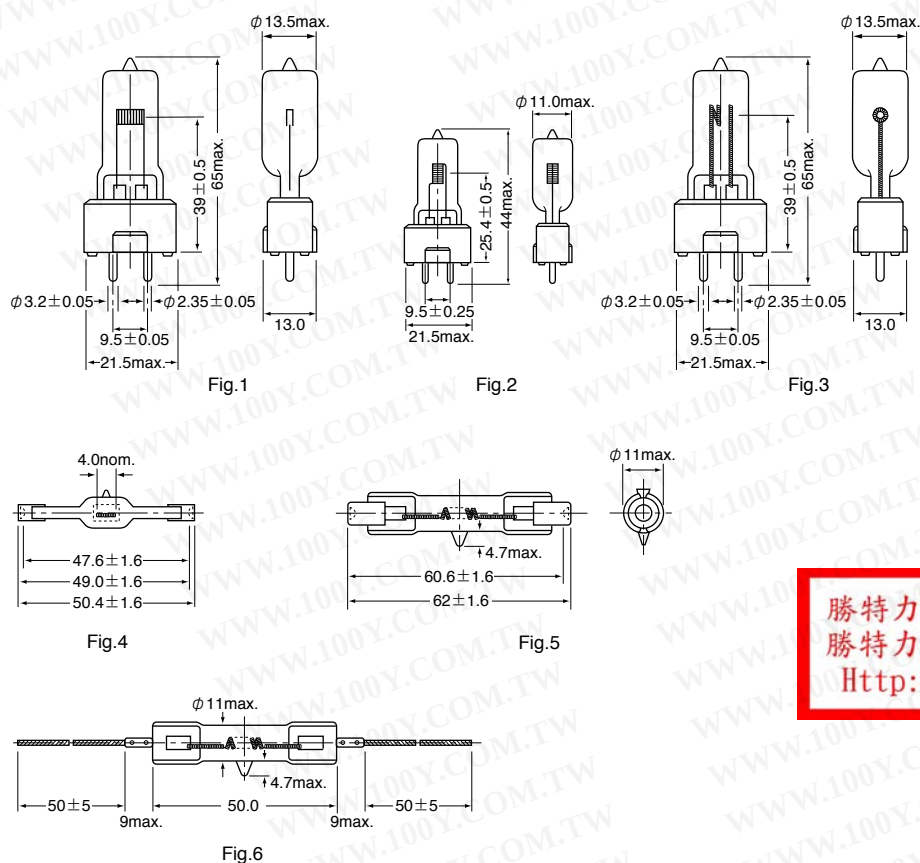
## PHYSICAL DATA AND CHARACTERISTICS

| Type                 | Reference or Substitute Lamp | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs.) | Dimensions (mm) |        |        | Base      | Filament | Fig. No. |
|----------------------|------------------------------|-----------|-----------|-----------------------------|------------------|-----------------------|-----------------|--------|--------|-----------|----------|----------|
|                      |                              |           |           |                             |                  |                       | M.D.            | M.O.L. | L.C.L. |           |          |          |
| ※ JF6.6A45W/B        |                              | —         | 45        | 740                         | 2900             | 500                   | 11.0            | 65.0   | 39.0   | GY9.5     | C-Bar-6  | (1)      |
| JF6.6A45W02/B        | EXM                          | —         | 45        | 750                         | 2900             | 1000                  | 11.0            | 44.0   | 25.4   | GY9.5     | C-8      | 2        |
| JF6.6A150W/B         | EWR                          | —         | 150       | 3600                        | 3100             | 500                   | 13.5            | 65.0   | 39.0   | GY9.5     | C-Bar-6  | 1        |
| JF6.6A200W/B         |                              | —         | 200       | 4300                        | 3000             | 500                   | 13.5            | 65.0   | 39.0   | GY9.5     | CC-6     | 3        |
| JF6.6A30W02/B        |                              | —         | 30        | 375                         | 2800             | 1000                  | 11.0            | 44.0   | 25.4   | GY9.5     | C-8      | 2        |
| ※ JF6.6A115W/B       |                              | —         | 115       | 2500                        | 3000             | 500                   | 13.5            | 65.0   | 39.0   | GY9.5     | C-Bar-6  | 1        |
| JF6.6A45W            |                              | —         | 45        | 630                         | 2850             | 1000                  | 8.0             | 52.0   |        | R7s       | C-8      | 4        |
| JF6.6A100W           |                              | —         | 100       | 2120                        | 3000             | 1000                  | 11.0            | 63.6   |        | R7s       | CC-8     | 5        |
| JF6.6A100W-2         |                              | —         | 100       | 2120                        | 3000             | 1000                  | 11.0            | 58.0   |        | R7s       | CC-8     | 5        |
| JF6.6A200W           |                              | —         | 200       | 4240                        | 3000             | 1000                  | 11.0            | 63.6   |        | R7s       | CC-8     | 5        |
| JF6.6A100W Wire Lead |                              | —         | 100       | 2120                        | 3000             | 1000                  | 11.0            | 50.0   |        | Wire Lead | CC-8     | 6        |
| JF6.6A200W Wire Lead |                              | —         | 200       | 4240                        | 3000             | 1000                  | 11.0            | 50.0   |        | Wire Lead | CC-8     | 6        |

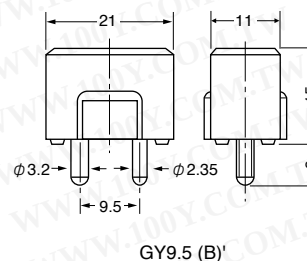
Burning position: Any

※ Minimum order quantity is required.

## LAMP FIGURES unit : mm



## BASE TYPE



勝特力材料 886-3-5753170  
勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

# Marine & Boat Use Tungsten Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

| Type            | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (K) | Rated Av. Life (hrs.) | Dimensions (mm) |          |          | Base     | Filament | Fig. No. |
|-----------------|-----------|-----------|-----------------------------|------------------|-----------------------|-----------------|----------|----------|----------|----------|----------|
|                 |           |           |                             |                  |                       | M.D. d          | M.O.L. l | L.C.L. f |          |          |          |
| JCD24V150W5H/BD | 24        | 150       | 3650                        | 3150             | 500                   | 14.0            | 49       | 28.8     | BA15d/19 | CC-8     | 1        |
| JD250W/M5       | 120       | 250       | 4500                        | 2900             | 2000                  | 15.0            | 81       | 61       | E11-24   | CC-8     | 2        |
| JD250W/M5       | 220/230   | 250       | 4500                        | 2900             | 2000                  | 15.0            | 81       | 61       | E11-24   | CC-8     | 2        |
|                 | 240/250   | 250       | 4500                        | 2900             | 2000                  | 15.0            | 81       | 61       | E11-24   | CC-8     | 2        |
| JD500W/M5       | 120       | 500       | 9500                        | 2950             | 2000                  | 15.0            | 95       | 66       | E11-24   | CC-8     | 2        |
| JD500W/M5       | 220/230   | 500       | 9500                        | 2950             | 2000                  | 15.0            | 95       | 66       | E11-24   | CC-8     | 2        |
|                 | 240/250   | 500       | 9500                        | 2950             | 2000                  | 15.0            | 95       | 66       | E11-24   | CC-8     | 2        |
| JD250W/E2       | 120       | 250       | 4500                        | 2900             | 2000                  | 15.0            | 102      | 73       | E27-30   | CC-8     | 3        |
| JD250W/E2       | 220/230   | 250       | 4500                        | 2900             | 2000                  | 15.0            | 102      | 73       | E27-30   | CC-8     | 3        |
|                 | 240/250   | 250       | 4500                        | 2900             | 2000                  | 15.0            | 102      | 73       | E27-30   | CC-8     | 3        |
| JD500W/E2       | 120       | 500       | 9500                        | 2950             | 2000                  | 14.0            | 113      | 81       | E27-30   | CC-8     | 3        |
| JD500W/E2       | 220/230   | 500       | 9500                        | 2950             | 2000                  | 15.0            | 113      | 81       | E27-30   | CC-8     | 3        |
|                 | 240/250   | 500       | 9500                        | 2950             | 2000                  | 15.0            | 113      | 81       | E27-30   | CC-8     | 3        |
| JT500W          | 125/130   | 500       | 12000                       | 3000             | 2000                  | 39.0            | 215      | 130      | E40      | C-8      | 4        |
| JT500W          | 230/240   | 500       | 10000                       | 3000             | 2000                  | 39.0            | 215      | 130      | E40      | CC-8     | 4        |
|                 | 240/250   | 500       | 10000                       | 3000             | 2000                  | 39.0            | 215      | 130      | E40      | CC-8     | 4        |
| JT1000W         | 230/240   | 1000      | 24000                       | 3000             | 2000                  | 38.0            | 255      | 155      | E40      | C-8      | 4        |
|                 | 240/250   | 1000      | 24000                       | 3000             | 2000                  | 38.0            | 255      | 155      | E40      | C-8      | 4        |

Burning position: JCD & JD: Any, JT: Horizontal  $\pm 15^\circ$

## LAMP FIGURES unit : mm

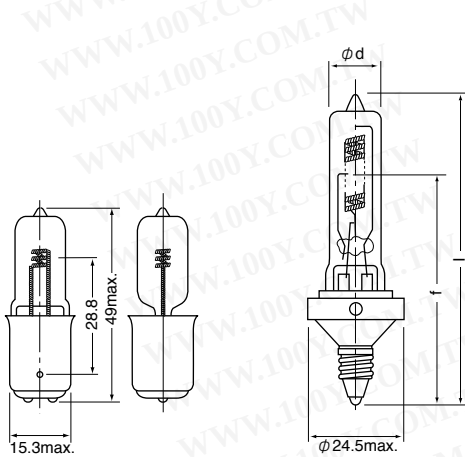


Fig. 1

Fig. 2

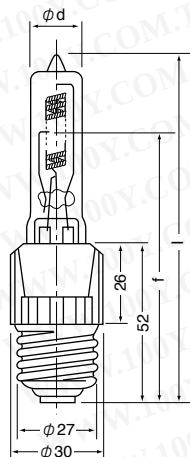


Fig. 3

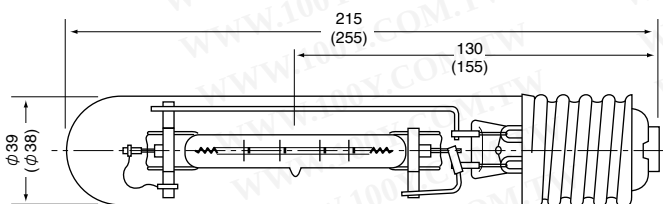
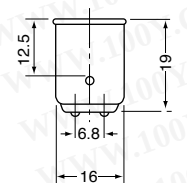


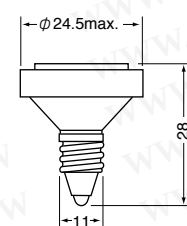
Fig. 4

( ) 1000W

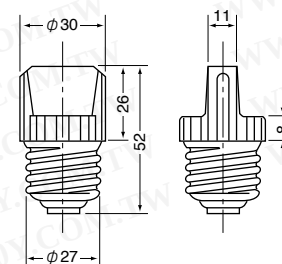
### BASE TYPE



BA15d/19 (BD)



E11-24 (M5)



E27/30 (E2)



# Quartz Heaters

## Infrared Ray lamps

### FEATURES

1. Clean heat source : No gas release, no dust release
2. Compact, light weight and high power radiation
3. Rapid start up for heating and rapid cool down of the heat source after power-off
4. Uniformity of heat radiation
5. High efficiency heating and to the lamp design which can adapt to the absorption wave length of an object

### PHYSICAL DATA AND CHARACTERISTICS

| Type                     | Rated voltage(V) | Watts (W) | Colour Temp.(K) | M.O.L. (mm) | L.C.L. (mm) | Base          | Rated Av. Life (hrs) | Filament | Fig. No. |
|--------------------------|------------------|-----------|-----------------|-------------|-------------|---------------|----------------------|----------|----------|
| <b>Double ended type</b> |                  |           |                 |             |             |               |                      |          |          |
| QIR100/110V350W          | 100/110          | 350       | 2500            | 222         | —           | lead wire     | 5000                 | C-8      | 1        |
| QIR100/110V400W          | 100/110          | 400       | 2500            | 222         | —           | lead wire     | 5000                 | C-8      | 1        |
| QIR100/110V500W          | 100/110          | 500       | 2500            | 222         | —           | lead wire     | 5000                 | C-8      | 1        |
| QIR115/125V300W          | 115/125          | 300       | 2500            | 222         | —           | lead wire     | 5000                 | C-8      | 1        |
| QIR115/125V376W          | 115/125          | 376       | 2500            | 222         | —           | lead wire     | 5000                 | C-8      | 1        |
| QIR120V500W              | 120              | 500       | 2500            | 222         | —           | lead wire     | 5000                 | C-8      | 1        |
| QIR120V900W              | 120              | 900       | 2500            | 422         | —           | R7s lead wire | 5000                 | C-8      | 2        |
| QIR200/220V1000W         | 200/220          | 1000      | 2500            | 350         | —           | R7s lead wire | 5000                 | C-8      | 1        |
| QIR220V1000W             | 220              | 1000      | 2500            | 512         | —           | lead wire     | 5000                 | C-8      | 2        |
| QIR240V600W              | 240              | 600       | 2500            | 280         | —           | lead wire     | 3000                 | C-8      | 1        |
| QIR240V700W              | 240              | 700       | 2500            | 290         | —           | lead wire     | 3000                 | C-8      | 1        |
| QIR240V700W/L            | 240              | 700       | 2500            | 530         | —           | lead wire     | 3000                 | C-8      | 1        |
| QIR240V1000W             | 240              | 1000      | 2500            | 303         | —           | lead wire     | 5000                 | C-8      | 1        |
| QIR240V1000W/R7s         | 240              | 1000      | 2500            | 303         | —           | R7s lead wire | 5000                 | C-8      | 2        |
| QIR240V1000W/L           | 240              | 1000      | 2500            | 348         | —           | lead wire     | 5000                 | C-8      | 1        |
| QIR240V1500W             | 240              | 1500      | 2500            | 530         | —           | lead wire     | 3000                 | C-8      | 1        |
| QIR240V1600W             | 240              | 1600      | 2500            | 501         | —           | R7s lead wire | 5000                 | C-8      | 2        |
| QIR240V2000W             | 240              | 2000      | 2500            | 350         | —           | lead wire     | 5000                 | C-8      | 1        |
| QIR240V2000W/L           | 240              | 2000      | 2500            | 650         | —           | lead wire     | 3000                 | C-8      | 1        |
| QIR480V2500W             | 480              | 2500      | 2400            | 730         | —           | R7s lead wire | 5000                 | C-8      | 2        |
| QIR480V3650W             | 480              | 3650      | 2400            | 1055        | —           | R7s lead wire | 5000                 | C-8      | 2        |
| QIR480V6000W             | 480              | 6000      | 3200            | 298         | —           | lead wire     | 150                  | C-8      | 1        |
| <b>Single ended type</b> |                  |           |                 |             |             |               |                      |          |          |
| QAP120V2000W/G22         | 120              | 2000      | 3000            | 150         | 80          | G22           | 1000                 | CC-8     | 3        |

### LAMP FIGURES unit : mm

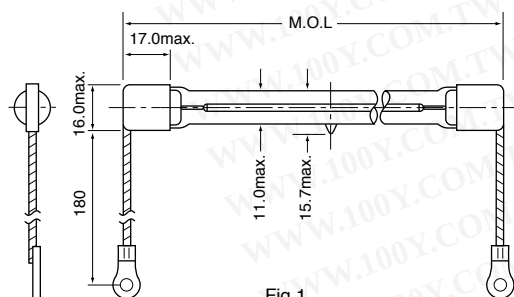


Fig.1

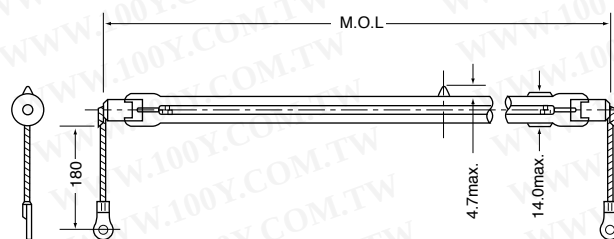


Fig.2

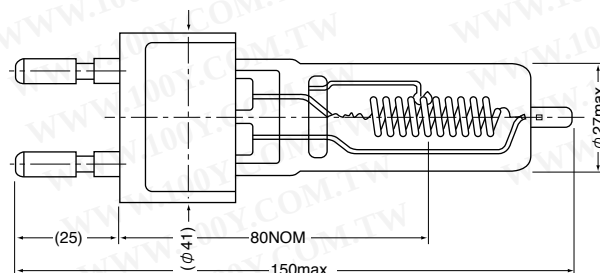


Fig.3

## Infrared Ray lamps

## MR16 Reflector type heat lamps

| Type                   | Rated voltage(V) | Watts (W) | Colour Temp.(K) | Reflector coating | Base   | Rated Av. Life (hrs) | Filament | Working distance (mm) | Fig. No. |
|------------------------|------------------|-----------|-----------------|-------------------|--------|----------------------|----------|-----------------------|----------|
| JCR12V100W10H/G1/AL    | 12               | 100       | 2800            | Aluminum          | GZ6.35 | 1000                 | C-8      | 42                    | 1        |
| JCR12V100W10HG/G1      | 12               | 100       | 2800            | Gold              | GZ6.35 | 1000                 | C-8      | 42                    | 1        |
| JCR15V150WG/G1         | 15               | 150       | 3350            | Gold              | GZ6.35 | 50                   | C-8      | 42                    | 1        |
| JCR24V200W10HAL/G2/H50 | 24               | 200       | 2800            | Aluminum          | GX5.3  | 1000                 | CC-8     | 44.5                  | 2        |

## DRAWING unit : mm

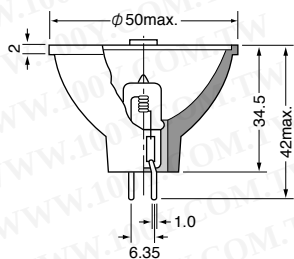


Fig.1

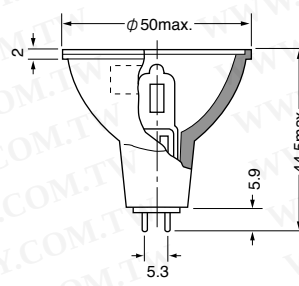
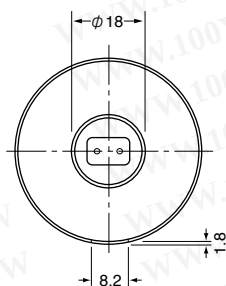
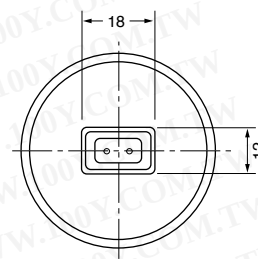


Fig.2



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# Miniature Halogen Lamps

## PHYSICAL DATA AND CHARACTERISTICS

| Type           | Volts (V) | Watts (W) | Approx. Initial Lumens (lm) | Colour Temp. (k) | Rated Av. Life (hrs.) | Dimensions (mm) |        |        | Base | Filament | Fig. No. |
|----------------|-----------|-----------|-----------------------------|------------------|-----------------------|-----------------|--------|--------|------|----------|----------|
|                |           |           |                             |                  |                       | M.D.            | M.O.L. | L.C.L. |      |          |          |
| JC6V10W20H/G4  | 6         | 10        | 140                         | 2850             | 2000                  | 9.0             | 33.0   | 19.5   | G4   | C-6      | 1        |
| JC6V20W20H/G4  | 6         | 20        | 280                         | 2850             | 2000                  | 9.0             | 33.0   | 19.5   | G4   | C-6      | 1        |
| JC12V20W20H/G4 | 12        | 20        | 350                         | 2850             | 2000                  | 9.0             | 30.0   | 19.5   | G4   | C-6      | 2        |
| JC12V20W20H/BS | 12        | 20        | 350                         | 2850             | 2000                  | 9.0             | 36.5   | 15.5   | Ba9s | C-6      | 3        |

Burning position: Any

## LAMP FIGURES unit : mm

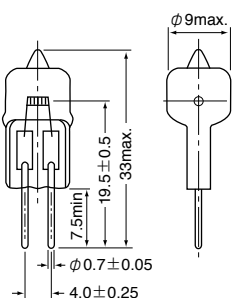


Fig.1

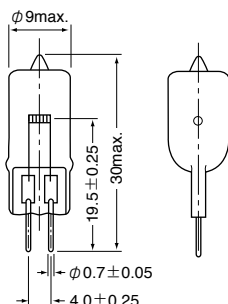


Fig.2

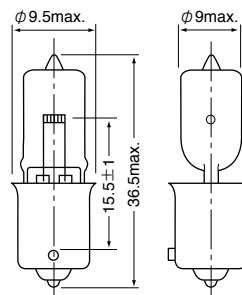
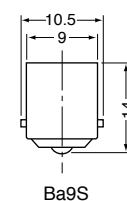
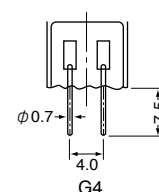


Fig.3

### BASE TYPE



HALOGEN

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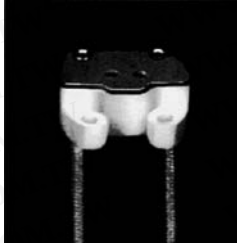
## Cross Reference Guide (Reference only)

| ANSI CODE   | IWASAKI TYPE NO.  | ANSI CODE | IWASAKI TYPE NO.  | ANSI CODE | IWASAKI TYPE NO.  | ANSI CODE | IWASAKI TYPE NO.   |
|-------------|-------------------|-----------|-------------------|-----------|-------------------|-----------|--------------------|
| BAB         | JR1203.000(BAB)   | EFP       | JCR12V100W/G1     | ETE       | JD120V100WF/02/M2 | FCR       | JC12V100W/G2       |
| BRJ         | JC15V150W/G1      | EFR       | JCR15V150W/G1     | EVA       | JC12V100W10H/G2   | FCS       | FCS24V150W         |
| BRL         | JC12V50W/G1       | EHG       | JPD120V750WB/G9.5 | EVR       | JD120V500W/M2     | FCZ       | J120V500WF         |
| DRA         | JCD300WL/G1       | EHJ       | JC24V250W/G1      | EXN       | JR1504.000(EXN)   | FDA       | JPD400WC/FDA       |
| DVS         | 110/120V500W      | EHM       | J110/120V300W     | EXT       | JR1501.000(EXT)   | FDS       | JC24V150W          |
| DVY         | JCD650WC/A1       | EJL       | JCR24V200W/G2     | EXZ       | JR1502.000(EXZ)   | FDT       | JC12V100W          |
| DWY         | JPD120V650WS/DWY  | EJM       | JCR21V150W/G2     | EYB       | JCD82V360W/EYB    | FDV       | JC24V150W1H/G1     |
| DXM         | JPD250W/DXM       | EKD       | JCD120V650WS/B    | EYC       | JR2703.000(EYC)   | FDW       | FDW24V150W         |
| DXN         | JPD1000WS/DXN     | ELB       | JCR30V80W/G2      | EYF       | JR2701.000(EYF)   | FDX       | JC12V100W          |
| DXW         | JPD1000WC/DXW     | ELC       | JCR24V250W/G2     | EYH/FKT   | JCD120V250WC/A1   | FEA       | JPD600WC/FEA       |
| DXX         | JPD800WC/DXX      | ELH       | JCR120V300W/ELH   | EYP       | JR1403.000(EYP)   | FEB       | JPD600WC/FEB       |
| DYA         | JPD1000WC/DYA     | ENL       | JR1503.000(ENL)   | EYR       | JR1401.000(EYR)   | FEL       | JPD120V1000WC/G9.5 |
| DYH         | JCD120V600WC/A1   | ENX       | JCR82V360W/ENX    | EYS       | JR1402.000(EYS)   | FEP       | JPD240V1000WC/G9.5 |
| DYH         | JCD220V600WC/A1   | EPZ       | JR1505.000(EPZ)   | EYV       | JD130V150WF/M2    | FEX       | JPD2000WC/FEX      |
| DYN         | JPD120V1000WC/DYN | ESL       | JD120V150W/02/M2  | EYW       | JD130V500W/M2     | FFJ       | JPD600WC/FFJ       |
| (DYR)       | (JCD530WC/B)      | ESN       | JD120V100W/02/M2  | EYX       | JD120V500WF/M2    | FGB       | JPD750WC/FGB       |
| DYR         | JCD220V650WC/B    | ESP       | JD120V150W/02/BD  | FAD       | JPD120V650WC/FAD  | FGD       | JPD500WC/FGD       |
| DYR         | JCD240V650WC/B    | ESR       | JD120V100W/02/BD  | FAL       | JPD120V420WC/FAL  | FSA       | JDR120V75W/2N      |
| DYS/BHC/DYV | JCD120V600WC/B    | ESS       | JD120V250W/BD     | FBV       | JCD30V250W/M1     | FSB       | JDR120V75W/2M      |
| DZE         | JC24V150W         | ESX       | JR1201.000(ESX)   | FCB       | JPD120V600WC/FCB  | FSC       | JDR120V100W/2N     |
| DZZ         | JC12V100W         | ESY       | JCD150WL/G1       | FCL       | J120V500W         | FSD       | JDR120V75W/2W      |
| EFM         | JCR8V50W/G1       | ETB       | JD120V250WF/BD    | FCM       | JP120V1000WC1     | FSE       | JDR120V100W/2M     |
| EFN         | JCR12V75W/G1      | ETD       | JD120V100WF/02/BD |           |                   | FSF       | JDR120V100W/2W     |

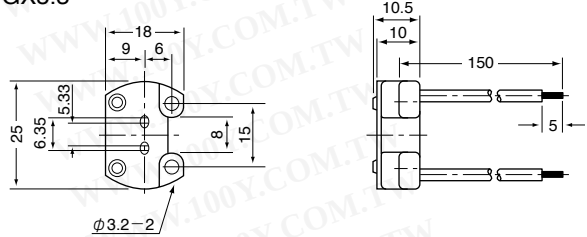
# Sockets for 2PIN Base Type

## NICKEL CONTACT TYPE (unit : mm)

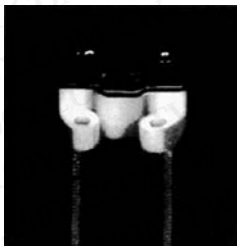
### HS-300



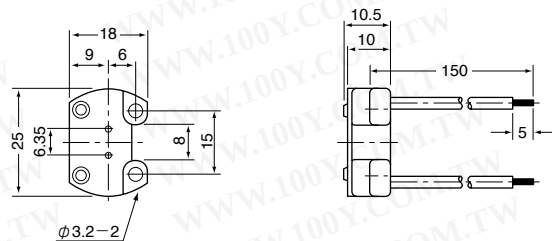
Adaptable Lamp Base : G5.3, GX5.3  
Lead Wire Length : 200mm



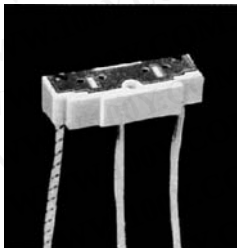
### HS-310



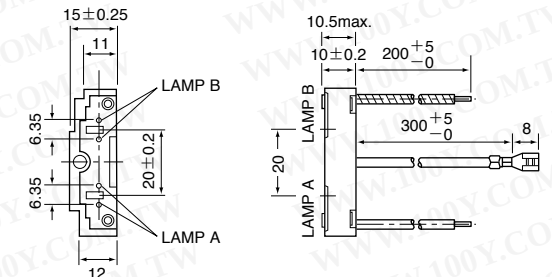
Adaptable Lamp Base : G6.35, GZ6.35, GY6.35  
Lead Wire Length : 200mm



### HS-900D

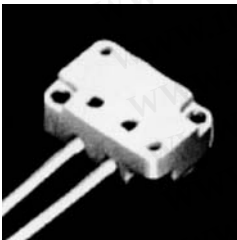


Adaptable Lamp Base : G6.35, GY6.35  
Lead Wire Length : 200mm

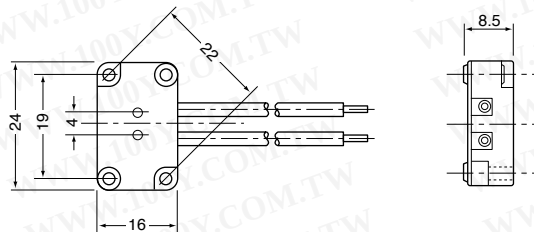


## COPPER ALLOY CONTACT TYPE (unit : mm)

### HS-G400



Adaptable Lamp Base : G4  
Lead Wire Length : 200mm

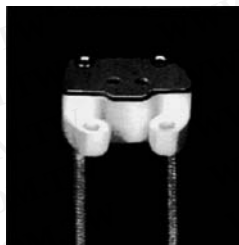


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# Sockets for 2PIN Base Type

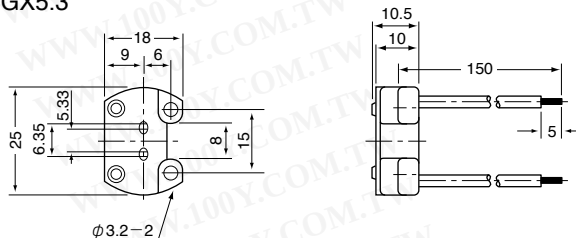
## NICKEL CONTACT TYPE (unit : mm)

### HS-300

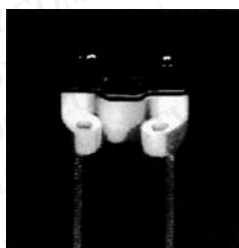


Adaptable Lamp Base : G5.3, GX5.3

Lead Wire Length : 200mm

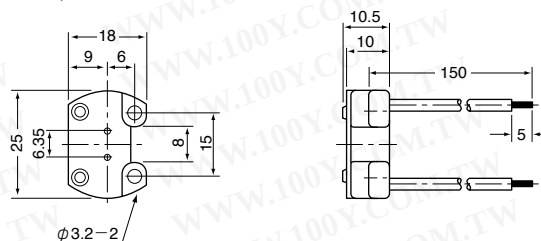


### HS-310

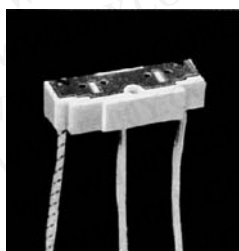


Adaptable Lamp Base : G6.35, GZ6.35, GY6.35

Lead Wire Length : 200mm

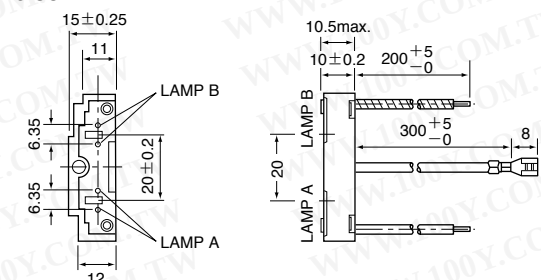


### HS-900D



Adaptable Lamp Base : G6.35, GY6.35

Lead Wire Length : 200mm



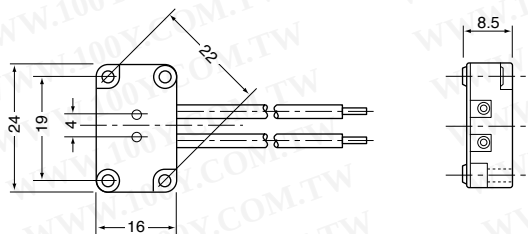
## COPPER ALLOY CONTACT TYPE (unit : mm)

### HS-G400



Adaptable Lamp Base : G4

Lead Wire Length : 200mm



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# INCANDESCENT REFLECTOR LAMPS

## EYE Reflector Lamps for Outdoor Use

### PHYSICAL DATA AND CHARACTERISTICS

| Watts (W) | Type         | Bulb | Base | Std.Pkg. Qty. | M.O.L. (mm) | Total Lumens (lm) | Max.Light Intensity (cd) | Rated Av. Life (hrs) |
|-----------|--------------|------|------|---------------|-------------|-------------------|--------------------------|----------------------|
| 90        | RS220V 90WH  | R120 | E27  | 10            | 160         | 760               | 4000                     | 2000                 |
|           | RF220V 90WH  | R120 | E27  | 10            | 160         | 700               | 400                      | 2000                 |
| 135       | RS220V 135WH | R120 | E27  | 10            | 160         | 1280              | 5920                     | 2000                 |
|           | RF220V 135WH | R120 | E27  | 10            | 160         | 1160              | 960                      | 2000                 |
| 180       | RS220V 180WH | R120 | E27  | 10            | 160         | 1840              | 7200                     | 2000                 |
|           | RF220V 180WH | R120 | E27  | 10            | 160         | 1550              | 1350                     | 2000                 |
| 270       | RS220V 270WH | R135 | E40  | 10            | 214         | 2920              | 5200                     | 2000                 |
|           | RF220V 270WH | R135 | E40  | 10            | 214         | 2920              | 3200                     | 2000                 |
| 450       | RS220V 450WH | R160 | E40  | 10            | 241         | 5120              | 9000                     | 2000                 |
|           | RF220V 450WH | R160 | E40  | 10            | 241         | 5120              | 5280                     | 2000                 |
| 900       | RS220V 900WH | R200 | E40  | 6             | 315         | 10800             | 16000                    | 2000                 |
|           | RF220V 900WH | R180 | E40  | 6             | 320         | 10800             | 8000                     | 2000                 |

240 range lamp is available upon request, but characteristics may vary somewhat.

## EYE HI-BEAM Reflector Lamps for Indoor Use

### PHYSICAL DATA AND CHARACTERISTICS

| Watts (W)           | Type     | Bulb | Base | Std.Pkg. Qty. | M.O.L. (mm) | Beam Lumens (lm) | Max.Light Intensity (cd) | Rated Av. Life (hrs) |
|---------------------|----------|------|------|---------------|-------------|------------------|--------------------------|----------------------|
| <b>Frosted Type</b> |          |      |      |               |             |                  |                          |                      |
| 100                 | RM100W/F | R100 | E27  | 10            | 143         | 240              | 400                      | 1500                 |
| 150                 | RM150W/F | R100 | E27  | 10            | 143         | 480              | 800                      | 1500                 |
| 200                 | RM200W/F | R110 | E27  | 10            | 158         | 640              | 1120                     | 1500                 |
| 300                 | RM300W/F | R120 | E27  | 10            | 166         | 800              | 1760                     | 1500                 |

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# EYE Infrared Ray Lamps



## OUTLINE

The EYE Infrared Ray lamp has a built-in reflector and is designed to produce more infrared rays at a lower filament temperature compared with that of ordinary incandescent lamps.

Our infrared Ray lamps are manufactured strictly in accordance with Japanese industrial Standards (JIS) at our authorized factory. Materials used for filaments, outer bulbs, bases, etc., are carefully selected under strict quality control standards and manufactured with precision and care.

## FEATURES

1. As heat radiation increases, it is absorbed directly by the object materials with minimal loss and high speed.
2. These infrared ray lamps can be installed in small places because of their compact size and their high efficiency is insured by a built-in vaporized aluminum reflector.
3. A mechanical base is employed, instead of a conventional asbestos one, which increases mechanical strength as it reduces the possibility of accidents due to a loose base or an electric shock.
4. The outer bulb is made of hard, heat-resistant glass which ensures satisfactory service in all weather conditions.
5. Because the gas is sealed into bulbs with a special mechanism, a higher efficiency can be maintained and reflector deterioration can be eliminated. Thus, EYE infrared Ray lamps have longer life with less maintenance costs.
6. The replacement of lamps and cleaning can be performed easily and safely.

## APPLICATIONS

Painting Industries: Heating for electric apparatus, painting of automobiles, etc.

Textile Industries: Heating for starching, dyeing and weaving of textiles.

Metal Industries: Heating for soaking pit and galvanizing line. Heating for cast iron and sand casts.

Electrical Industries: Heating for motor, generator and electric cathode.

Chemical Industries: Heating for plastics, fine products, rubber, vinyl, oiled paper, clothes, etc.

Glass Industries: Heating for glass and mirror coatings, bottles and glass plates.

Food Industries: Heating for mushrooms, tea, seaweed, dried small sardines and other agricultural and fishery products.

Printing Industries: Heating for photogravure printing, metal plate printing, papers for printing and colour rendition processes

Pharmaceutical Industries: Heating for powder and tablets, explosives, ampoules and germicidal use.

Medical use: Warming affected parts and drying gypsum, etc.

Beauty Salon: For beauty culture and permanent dryers.

Household: Heating for bathroom, Kitchen and bedroom.

Livestock and Poultry Farm: Heating System used for example in egg incubator, pigfarms and sericulture.

## PHYSICAL DATA AND CHARACTERISTICS

| Watts (W) | Type             | Bulb | Base | Std. Pkg. Qty. | M.O.L. (mm) | Initial Characteristics |                        | Colour Temperature (K) | Rated Av. Life (hrs) |
|-----------|------------------|------|------|----------------|-------------|-------------------------|------------------------|------------------------|----------------------|
|           |                  |      |      |                |             | Total Radiant Flux (W)  | Radiant Efficiency (%) |                        |                      |
| 125       | IR100/110V125WRH | R127 | E27  | 10             | 188         | 80min.                  | 65min.                 | 2300                   | 6000                 |
|           | IR220V125WRH     | R127 | E27  | 10             | 188         | 77min.                  | 62min.                 | 2250                   | 6000                 |
| 250       | IR100/110V250WRH | R127 | E27  | 10             | 188         | 175min.                 | 70min.                 | 2400                   | 6000                 |
|           | IR220V250WRH     | R127 | E27  | 10             | 188         | 165min.                 | 66min.                 | 2350                   | 6000                 |
| 375       | IR100/110V375WRH | R127 | E27  | 10             | 188         | 270min.                 | 72min.                 | 2400                   | 6000                 |
|           | IR220V375WRH     | R127 | E27  | 10             | 188         | 255min.                 | 68min.                 | 2400                   | 6000                 |



## EYE Neodymium Lamps



### OUTLINE

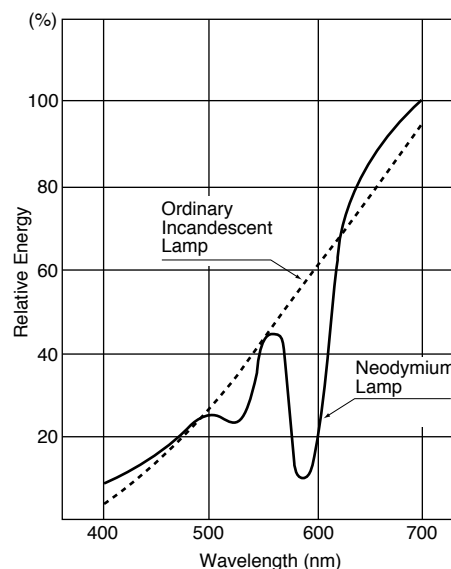
- 1.The EYE Neodymium Lamp is designed to highlight and enhance all the colours of the visible spectrum.
- 2.Standard incandescent lamps tend to shade the colour spectrum with a yellow tint, reducing the brilliance of colour.
- 3.By introducing neodymium (rare earth element) into the lamp, absorption to 590nm's of the visible light spectrum is obtained and therefore the natural colour is highlighted.
- 4.The EYE Neodymium Lamp creates true colours and is ideal for use where good colour rendition is required for merchandising consumer products.

### FEATURES

- 1.Enhanced presentation of products by highlighting appealing natural colour.
- 2.Can be used in both commercial and domestic applications.
- 3.The EYE Neodymium Reflector type lamp is an energy-efficient light source.

### APPLICATIONS

- 1.Domestic lighting, Department stores, Supermarkets, Meat Markets, Beauty Salons, Florist shops.
- 2.EYE Neodymium Lamps are especially recommended where colour plays an important role in the consumer decision.
- 3.EYE Neodymium Lamps create a pleasant atmosphere in Restaurants, Coffee shops, Bars, Hotel lobbies.
- 4.EYE Neodymium Lamps also are effective in enhancing that special display or architectural feature.



### PHYSICAL DATA AND CHARACTERISTICS

| Watts (W) | Type          | Bulb  | Base | Std.Pkg. Qty. | M.O.L. (mm) | Beam Lumens (lm) | Max.Light Intensity (cd) | Rated Av. Life (hrs) |
|-----------|---------------|-------|------|---------------|-------------|------------------|--------------------------|----------------------|
| 100       | ARF100N/PAR38 | PAR38 | E27  | 10            | 147         | 650              | 1800                     | 1500                 |
|           | RF150N/R127   | R127  | E27  | 10            | 171         | 1200             | 1300                     | 1500                 |
| 150       | RS150N/R127   | R127  | E27  | 10            | 171         | 1100             | 2800                     | 1500                 |
|           | ARF150N/PAR38 | PAR38 | E27  | 10            | 147         | 1100             | 2800                     | 1500                 |

※When ordering, please specify the voltage required.

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## EYE Photographic Incandescent Lamps



**PRF (Photo-Flood)**

### OUTLINE

EYE Photo-Flood provides broad-beam main or fill lighting. Shadows are minimized particularly when cross beams from several lamps are employed.

Combinations of floods and spots produce excellent effects.

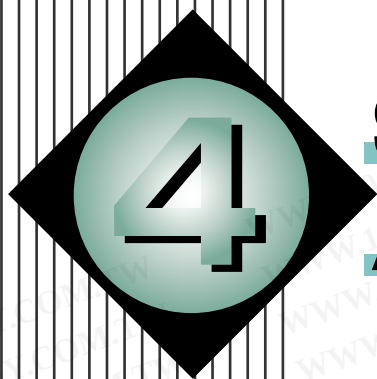
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勝特力電子 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

### PHYSICAL DATA AND CHARACTERISTICS

| Type | Volts (V) | Watts (W) | Dimensions and lamp base |            |                     | Initial characteristics |                      |                  |
|------|-----------|-----------|--------------------------|------------|---------------------|-------------------------|----------------------|------------------|
|      |           |           | Base                     | Bulb shape | Overall length (mm) | Initial Lumens (lm)     | Rated Av. Life (hrs) | Colour Temp. (K) |

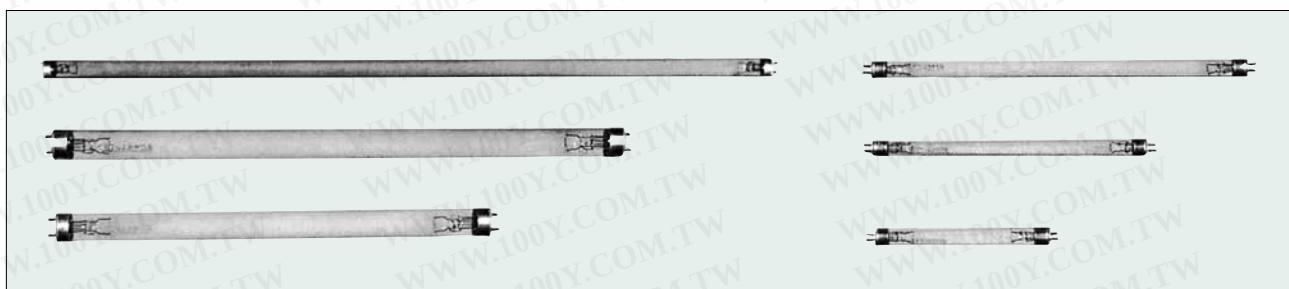
#### Flood

|                  |     |     |     |      |     |      |     |      |
|------------------|-----|-----|-----|------|-----|------|-----|------|
| PRF100V500W/E26  | 100 | 500 | E26 | R127 | 175 | 9000 | 100 | 3200 |
| PRF120V500W/E26  | 120 | 500 | E26 | R127 | 175 | 9000 | 100 | 3200 |
| PRF230V250WD/E27 | 230 | 250 | E27 | R100 | 135 | 4000 | 50  | 5900 |
| PRF230V500W/E26  | 230 | 500 | E26 | R127 | 175 | 8100 | 100 | 3200 |
| PRF230V500W/E27  | 230 | 500 | E27 | R127 | 175 | 8100 | 100 | 3200 |



# SPECIAL APPLICATION LAMPS

## EYE Ultraviolet Germicidal Lamps



### OUTLINE

It is well known that natural sunlight has germicidal properties which, as scientists have discovered, are the result of ultraviolet rays. Further research revealed additional properties of ultraviolet light and eventually succeeded in its artificial production.

As a result, our germicidal lamps have been successfully designed and manufactured to produce the highest ultraviolet ray of 2537 angstrom for the most effective germicidal reaction.

EYE germicidal lamps also have an excellent reputation for efficiency, economy and effectiveness among pharmaceutical industries for the prevention of offensive odors, elimination of harmful bacteria from drinking water and food stuffs, as well as a wide range of other applications.

### CHARACTERISTICS

1. Effective against all kinds of bacteria.
2. Does not affect at all the quality of the subject to the radiation.
3. Can be easily handled at low cost.
4. Germicidal reaction completed without alteration of taste and smell. The germicidal reaction created by the ultraviolet rays is completely harmless to humans-it has the same effect as boiling water.
5. Air, water and the surfaces of other materials are effectively rid of bacteria by EYE germicidal lamps.

### PHYSICAL DATA AND CHARACTERISTICS

#### Germicidal Lamps

| Type  | Nominal Watts (W) | Bulb Designation | Base         | Std. Pkg. Qty. | Overall Length (mm) | Diameter (mm) | Approx. Tube Amperes (A) | Ultraviolet Output Total Watts | Ultraviolet Micro Watts at 1 Meter(4) | Rated Av. Life (hrs) | Auxiliary (Ballast, Starter, Socket, Etc.) |
|-------|-------------------|------------------|--------------|----------------|---------------------|---------------|--------------------------|--------------------------------|---------------------------------------|----------------------|--------------------------------------------|
| G30T8 | 30                | T-8              | Medium Bipin | 120            | 893                 | 25.5          | 0.355                    | 11.6                           | 117                                   | 8000                 | Same as for 30W Fluorescent Lamp           |
| G15T8 | 15                | T-8              | Medium Bipin | 200            | 436                 | 25.5          | 0.300                    | 4.8                            | 49                                    | 8000                 | Same as for 15W Fluorescent Lamp           |
| G10T8 | 10                | T-8              | Medium Bipin | 200            | 330                 | 25.5          | 0.230                    | 2.6                            | 27.1                                  | 6000                 | Same as for 10W Fluorescent Lamp           |
| G8T5  | 8                 | T-5              | Medium Bipin | 500            | 287                 | 15.5          | 0.170                    | 2.5                            | 26                                    | 6000                 | Same as for 8W Fluorescent Lamp            |
| G6T5  | 6                 | T-5              | Medium Bipin | 500            | 210                 | 15.5          | 0.147                    | 1.6                            | 16.7                                  | 6000                 | Same as for 6W Fluorescent Lamp            |
| G4T5  | 4                 | T-5              | Medium Bipin | 500            | 134                 | 15.5          | 0.162                    | 0.8                            | 8.3                                   | 6000                 | Same as for 4W Fluorescent Lamp            |

NOTE:

1. Wattage is bulb lamp Watts only.
2. Length is base face to base face.

3. 2537 angstrom output after 100 hours burning measured in still air at 26° C (80° F) ambient and under specified test conditions.
4. Microwatts per square centimeter at one meter from lamp.



# EYE Black Light Lamps



## OUTLINE

"EYE" Black Light is designed to effectively absorb visible light and emit near ultraviolet rays through a dark bulb of special filter glass. Using a near ultraviolet phosphor like that used for fluorescent chemical lamps, it produces highly efficient ultraviolet rays without a loss of visible light.

## APPLICATIONS

### 1. Food Industries:

To inspect classification, freshness, harmful mixtures, etc. in food stuffs.

### 2. Metal and Mining industries:

To discriminate ores such as uranium, tungsten, etc. and also to detect the defects on the surface of metals and others.

### 3. Textile industries:

To analyse the materials in textiles by their unique fluorescent reaction.

### 4. Lighting:

Illumination for sign boards, show windows, wall decorations, stages, control boards, etc.

### 5. Reproduction:

To utilize the maximum sensitivity to light at 350-400nm, the black light to be used for the effective source of photo-sensitivity.

### 6. Insecticidal Use:

To ensure the effective elimination of harmful insects because of their sensitive reaction to blue light or near ultraviolet rays.

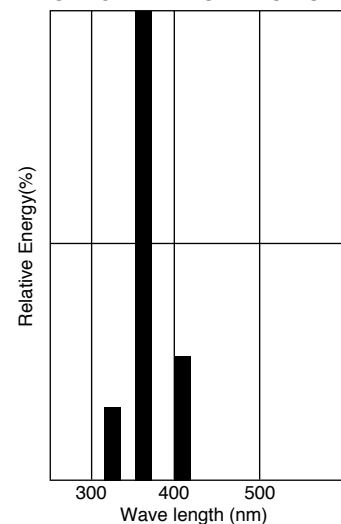
### 7. Promotion of Photo-Chemical Reaction:

To be utilized for the acceleration of photo-chemical reactions such as chloride addition to BHC, composition of artificial rubber, disposal of pulps, etc.

### 8. Discovery of Forgery:

To discover the forgery of checks, stamps, documents, etc. and also the imitation of jewels.

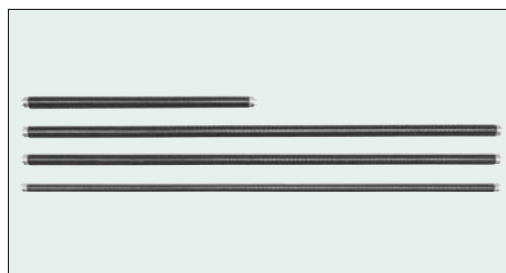
SPECTRAL DISTRIBUTION



## PHYSICAL DATA AND CHARACTERISTICS

| Watts (W) | Type           | Bulb  | Base | Std. Pkg. Qty. | M.O.L. (mm) | Lamp            |             | Rated Av. Life (hrs) |
|-----------|----------------|-------|------|----------------|-------------|-----------------|-------------|----------------------|
|           |                |       |      |                |             | Voltage (Volts) | Current (A) |                      |
| 100       | H100-BL        | E75   | E27  | 12             | 177         | 115             | 1.00        | 3000                 |
| 125       | H125-BL        | E75   | E27  | 12             | 177         | 125             | 1.15        | 3000                 |
| 250       | H250-BL        | BT100 | E40  | 12             | 250         | 130             | 2.13        | 3000                 |
| 400       | H400-BL        | BT116 | E40  | 12             | 292         | 135             | 3.25        | 3000                 |
| 160       | 160W SB/E24-BL | E24   | E27  | 12             | 175         | 220/230         | 0.80        | 3000                 |

## PHYSICAL DATA AND CHARACTERISTICS



| Watts (W) | Type      | Dimension    |               | Lamp            |             | Rated Av. Life (hrs) |
|-----------|-----------|--------------|---------------|-----------------|-------------|----------------------|
|           |           | Length (mm)  | Diameter (mm) | Voltage (Volts) | Current (A) |                      |
| 4         | FL 4 BLB  | 134          | 15            | 100             | 0.125       | 3000                 |
| 6         | FL 6 BLB  | 210          | 15            | 100             | 0.147       | 3000                 |
| 8         | FL 8 BLB  | 287          | 15            | 100             | 0.170       | 3000                 |
| 10        | FL 10 BLB | 330          | 25            | 100             | 0.230       | 4000                 |
| 15        | FL 15 BLB | 436          | 25            | 100             | 0.300       | 4000                 |
| 20        | FL 20 BLB | 580 or 588.5 | 32            | 100             | 0.350       | 4000                 |
| 40        | FL 40 BLB | 1198         | 32            | 200             | 0.415       | 5000                 |

For the safety use, please refer to the instruction(caution) sheet in a package.

# EYE Xenon Flashtubes

## OUTLINE

"EYE" Xenon Flashtubes and Xenon Arc Lamps are products manufactured by Iwasaki Electric Co.,Ltd., the specialist in lamps and lighting fixture. Their high quality and excellent characteristics have been appreciated by many customers and are responsible for their outstanding reputation.

### Guidance for selection of Xenon flashtubes and lamps on each application

- 1.Arc length
- 2.Tube overall length
- 3.Tube diameter
- 4.Quality of tube
- 5.Spectrum distribution
- 6.Lamp operating voltage
- 7.Lamp input wattage
- 8.Flash repetition (Flash/min.)
- 9.Trigger voltage
- 10.Lamp life

## APPLICATIONS

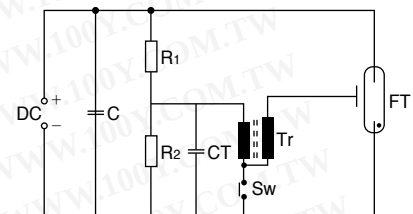
Photograph  
Laser stimulation  
Marine beacons  
Aerial beacons  
Signals  
Photographic plate making and printing use  
Emergency light  
Warning signals  
Laboratory use  
Stroboscopic use  
Timing lights  
Wheel balancer  
Advertising display  
Beam-guns  
General lighting

## FEATURES

- 1."EYE" Xenon Flashtube converts electric energy charged in a capacitor into a high intensity flash in a matter of seconds.
- 2."EYE" Xenon Flashtube is powerful in a misty atmosphere owing to high penetration of its flash and is used as a warning light or beacon in misty, rainy and cloudy conditions. Such applications increase year by year.

Trigger coil (Flash-tubes)

The most suitable trigger coil is used for obtaining the maximum intensity of flashtubes.



DC:Input power source

FT:Flashtube

C:Capacitor

R1R2:Resistor

CT:Trigger capacitor

Tr:Trigger transformer

Sw:Trigger switch

Energy consumption

$$E=1/2CV^2$$

E=Energy in joules

C=Capacitance,in microfarads

V=Operating voltage, in kilo-volts Other types may be available upon request.

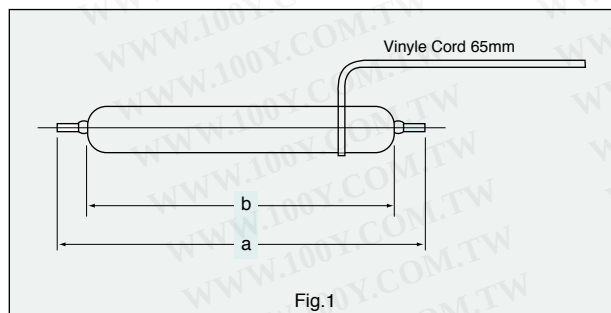


Fig. 1

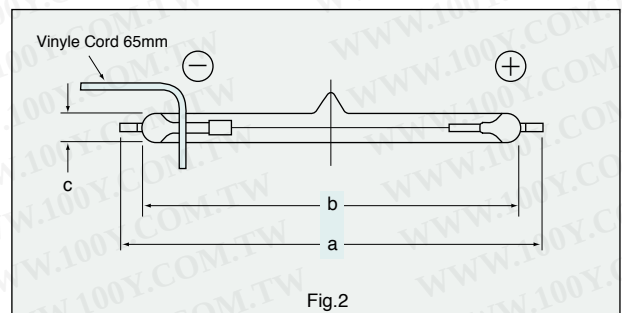


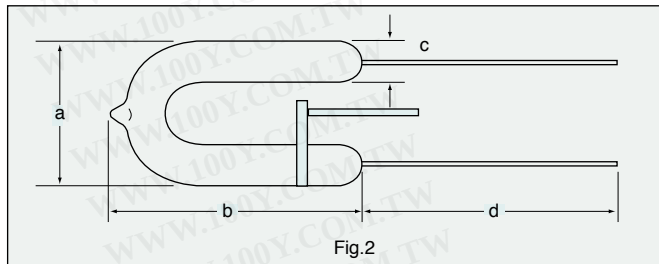
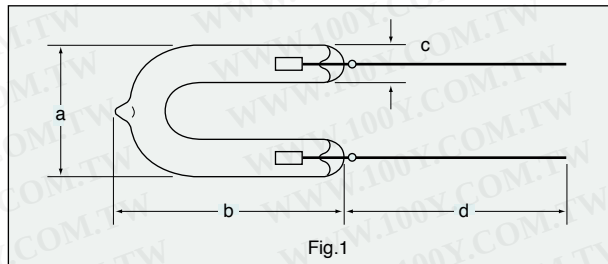
Fig. 2

## PHYSICAL DATA AND CHARACTERISTICS

| Type                  | Max. Energy Input per Flash (W/sec.) | Design Flash Voltage | Max. Flash Voltage | Min. Starting Voltage with Mini 4KV Trigger | Arc Length (mm) | Max. Flash Repetition at Max. Energy Input per Min.(flash) | Rated Av. Life (flash) | Applications | Max. Dimensions (mm) |      |        |         |
|-----------------------|--------------------------------------|----------------------|--------------------|---------------------------------------------|-----------------|------------------------------------------------------------|------------------------|--------------|----------------------|------|--------|---------|
|                       |                                      |                      |                    |                                             |                 |                                                            |                        |              | a                    | b    | c      | Fig.No. |
| IFT-3124C (IFT-3124G) | 15                                   | 330                  | 360                | 240                                         | 15              | 4                                                          | 3000                   | Photography  | 28                   | 25.5 | φ 3.3  | 1       |
| IFT-3235C (IFT-3235G) | 22                                   | 330                  | 350                | 230                                         | 22              | 4                                                          | 3000                   | Photography  | 39                   | 35.5 | φ 3.33 | 1       |
| IFT-3245C (IFT-3245G) | 22                                   | 330                  | 350                | 240                                         | 33              | 4                                                          | 6000                   | Photography  | 51                   | 46.5 | φ 3.35 | 1       |
| IFT-3650C (IFT-3650G) | 80                                   | 330                  | 350                | 240                                         | 35              | 4                                                          | 3000                   | Photography  | 55                   | 51.5 | φ 3.75 | 1       |
| IFT-45S               | 30                                   | 300                  | 400                | 200                                         | 30              | 5                                                          | 5000                   | Photography  | 55                   | 45   | φ 6    | 2       |
| IFT-47S               | 35                                   | 300                  | 400                | 200                                         | 35              | 5                                                          | 5000                   | Photography  | 58                   | 47   | φ 5    | 2       |
| IFT-50S               | 30                                   | 350                  | 500                | 200                                         | 40              | 5                                                          | 5000                   | Photography  | 56                   | 50   | φ 4.2  | 2       |
| IFT-55S               | 40                                   | 300                  | 350                | 220                                         | 40              | 5                                                          | 5000                   | Photography  | 65                   | 55   | φ 5.5  | 2       |
| IFT-60S               | 45                                   | 300                  | 500                | 200                                         | 40              | 5                                                          | 5000                   | Photography  | 68                   | 60   | φ 5.5  | 2       |



# EYE Xenon Flashtubes for Timing Lights & EYE U-Type Xenon Flashtubes



## PHYSICAL DATA AND CHARACTERISTICS

| Type | Max. Energy Input per Flash (W/sec.) | Design Flash Voltage | Max. Flash Voltage | Connect to Ignition Coil Directly | Arc Length (mm) | Max. Flash Repetition at Max. Energy Input per Min.(flash) | Rated Av. Life (flash) | Applications | Max. Dimensions(mm) |   |   |   |         |
|------|--------------------------------------|----------------------|--------------------|-----------------------------------|-----------------|------------------------------------------------------------|------------------------|--------------|---------------------|---|---|---|---------|
|      |                                      |                      |                    |                                   |                 |                                                            |                        |              | a                   | b | c | d | Fig.No. |

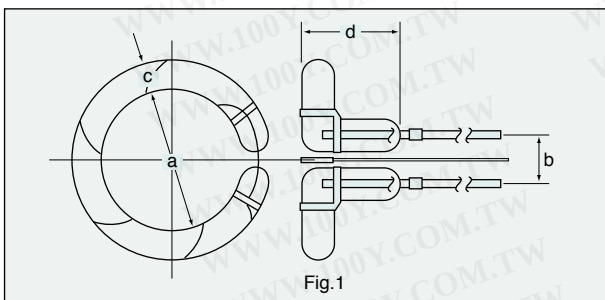
### EYE Xenon Flashtubes for Timing Lights

|          |   |     |     |     |    |    |                 |                            |      |    |            |          |   |
|----------|---|-----|-----|-----|----|----|-----------------|----------------------------|------|----|------------|----------|---|
| IFT-1000 | 5 | 300 | 400 | 150 | 35 | 60 | $5 \times 10^6$ | Timing Light, Signal Light | 23   | 34 | $\phi 6.5$ | 40 (min) | 1 |
| IFT-1210 | 5 | 300 | 400 | 150 | 33 | 60 | $5 \times 10^6$ | Timing Light, Signal Light | 18.5 | 37 | $\phi 6.5$ | 40 (min) | 1 |
| IFT-1200 | 4 | 250 | 350 | 150 | 43 | 60 | $5 \times 10^6$ | Timing Light, Signal Light | 18.5 | 42 | $\phi 6.5$ | 40 (min) | 1 |

### EYE U-Type Xenon Flashtubes

|         |     |     |     |     |    |   |       |             |      |    |          |          |   |
|---------|-----|-----|-----|-----|----|---|-------|-------------|------|----|----------|----------|---|
| IFT-106 | 50  | 300 | 400 | 200 | 46 | 5 | 10000 | Photography | 16   | 38 | $\phi 6$ | 40 (min) | 2 |
| IFT-110 | 100 | 300 | 500 | 220 | 73 | 5 | 10000 | Photography | 22.5 | 38 | $\phi 6$ | 40 (min) | 2 |

# EYE Ring Type Xenon Flashtubes

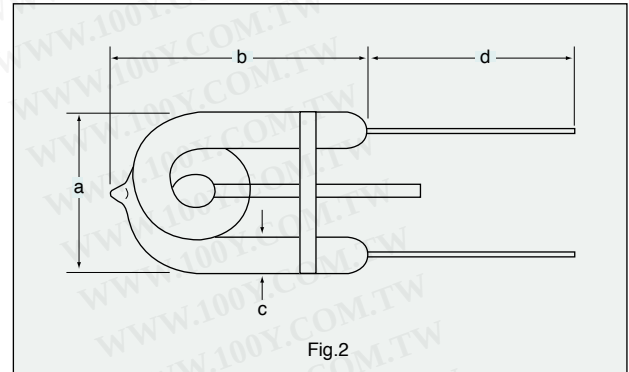
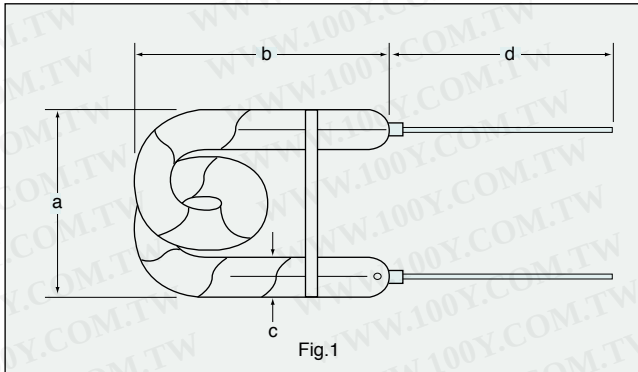


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## PHYSICAL DATA AND CHARACTERISTICS

| Type      | Max. Energy Input per Flash (W/sec.) | Design Flash Voltage | Max. Flash Voltage | Min. Starting Voltage with Min. 8KV Trigger | Arc Length (mm) | Max. Flash Repetition at Max. Energy Input per Min.(flash) | Rated Av. Life (flash) | Applications                     | Max. Dimensions(mm) |      |       |    |         |
|-----------|--------------------------------------|----------------------|--------------------|---------------------------------------------|-----------------|------------------------------------------------------------|------------------------|----------------------------------|---------------------|------|-------|----|---------|
|           |                                      |                      |                    |                                             |                 |                                                            |                        |                                  | a                   | b    | c     | d  | Fig.No. |
| IFT-200R  | 200                                  | 450                  | 700                | 220                                         | 16              | 5                                                          | 10000                  | Photography Printing Process Use | 42                  | 17   | ϕ 6.7 | 25 | 1       |
| IFT-500R  | 500                                  | 600                  | 700                | 260                                         | 20              | 3                                                          | 10000                  | Photography Printing Process Use | 47                  | 21.5 | ϕ 12  | 40 | 1       |
| IFT-800R  | 800                                  | 630                  | 700                | 300                                         | 20              | 6                                                          | 10000                  | Photography Printing Process Use | 58                  | 20   | ϕ 12  | 45 | 1       |
| IFT-1200R | 1200                                 | 630                  | 700                | 400                                         | 20              | 6                                                          | 10000                  | Photography Printing Process Use | 80                  | 20   | ϕ 13  | 45 | 1       |
| IFQ-1200S | 1200                                 | 600                  | 700                | 350                                         | 15              | 10                                                         | 10000                  | Photography Printing Process Use | 45                  | 17   | ϕ 10  | 40 | 1       |
| IFQ-2400C | 2400                                 | 630                  | 700                | 350                                         | 20              | 12                                                         | 10000                  | Photography Printing Process Use | 40                  | 20   | ϕ 13  | 55 | 1       |

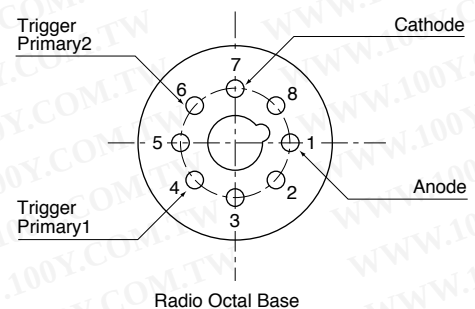
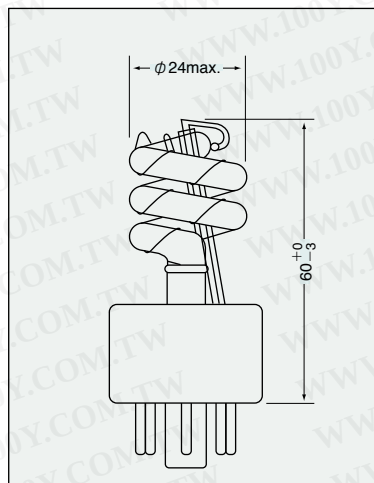
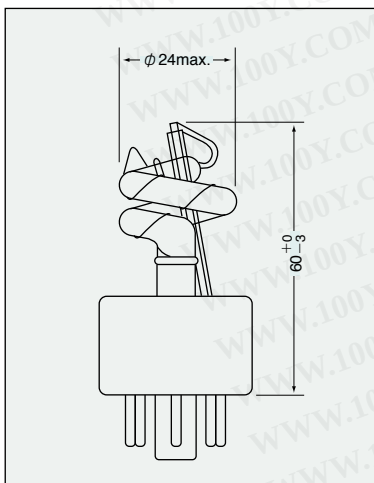
# EYE Helical Type Xenon Flashtubes



## PHYSICAL DATA AND CHARACTERISTICS

| Type     | Max. Energy Input per Flash (W/sec.) | Design Flash Voltage | Max. Flash Voltage | Min. Starting Voltage with Min. 5KV Trigger | Arc Length (mm) | Max. Flash Repetition at Max. Energy Input per Min.(flash) | Rated Av. Life (flash)       | Applications               | Max. Dimensions(mm) |    |       |          |         |
|----------|--------------------------------------|----------------------|--------------------|---------------------------------------------|-----------------|------------------------------------------------------------|------------------------------|----------------------------|---------------------|----|-------|----------|---------|
|          |                                      |                      |                    |                                             |                 |                                                            |                              |                            | a                   | b  | c     | d        | Fig.No. |
| IFT-152L | 16                                   | 280                  | 400                | (10KV) 230                                  | 95              | 60                                                         | 1000                         | Timing Light, Signal Light | 29                  | 42 | φ 6.5 | 40 (min) | 1       |
| IFT-118  | 125                                  | 500                  | 550                | 400                                         | 102             | 4                                                          | 10000                        | Timing Light, Signal Light | 25                  | 45 | φ 5   | 40 (min) | 2       |
| IFT-218  | 200                                  | 900                  | 1050               | 800                                         | 120             | 4 or 60                                                    | 20000<br>5 × 10 <sup>6</sup> | Timing Light, Signal Light | 30                  | 50 | φ 6   | 40 (min) | 2       |

# EYE Spiral Type Xenon Flashtubes



## PHYSICAL DATA AND CHARACTERISTICS

| Type     | Max. Energy Input per Flash (W/sec.) | Design Flash Voltage | Max. Flash Voltage | Min. Starting Voltage with Min. 4KV Trigger | Arc Length (mm) | Max. Flash Repetition at Max. Energy Input per Min.(flash) | Rated Av. Life (flash) | Applications | Fig.No. |
|----------|--------------------------------------|----------------------|--------------------|---------------------------------------------|-----------------|------------------------------------------------------------|------------------------|--------------|---------|
| IFT-75S  | 75                                   | 450                  | 500                | 300                                         | 10              | 15W 75                                                     | 20000                  | Signal Light | 1       |
| IFT-150S | 150                                  | 450                  | 500                | 300                                         | 10              | 24W 150                                                    | 20000                  | Signal Light | 2       |