



Light.
Any time. Anywhere.

The complete range:
OSRAM torches and lamps

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



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Torches and lamps – all from a single source

OSRAM can offer a complete range of rugged high-performance MINIWATT® lamps for torches: MINIWATT® standard lamps, MINIWATT® krypton lamps, MINIWATT® tungsten-halogen lamps and XENON MINIWATT® tungsten-halogen lamps in all the usual wattages and base versions.

MINIWATT® lamps from OSRAM are ideal for “upgrading” existing torches. They can be used as straightforward replacements for conventional lamps, even from other manufacturers. And if you are looking for optimum quality right from the start, you need look no further than any of the numerous functional and attractive torches from OSRAM.

Our torches are perfectly matched to OSRAM MINIWATT® lamps, compact fluorescent lamps and LEDs to provide modern mobile lighting solutions for a wide range of situations and requirements. Some torches are available with rechargeable and replaceable batteries, which make them particularly environmentally friendly.

Not only does this save money on batteries, there are no old batteries that have to be disposed of as special waste.

OSRAM torches make very welcome presents so we have designed extremely attractive presentation packaging for the entire range, to add a little extra pleasure to the acts of giving and receiving.





Standard



MINIWATT® standard lamps

MINIWATT® standard lamps from OSRAM, manufactured using vacuum technology, set the standards in quality and light output for modern pygmy lamps designed for torches.

The wide variety of bulb shapes and base versions and an excellent price/performance ratio make MINIWATT® standard lamps ideal as bright and reliable light sources for a wide range of torches including special-purpose torches.

good track record in torches with reflectors (Fig.1)

- The “lens shape” version is ideal for small torches without reflectors and for pen lights (Fig.2)
- The “brilliant” version produces a uniform cone of light for near beam and highly focused far beam (NF). (Fig.3)
- The “olive” version is particularly suitable for high-quality torches (Fig.4)



Product reference	Product number Single pack	V	I [mA]		d max [mm]	l max [mm]	Fig.	Product number Standard pack	SP
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MINIWATT® lamps, sphere shape

clear									
3646 ¹⁾	4050300848761	3.5	200	E10	11.5	24	1	4008321903563	200
3646 SCHP ¹⁾	4008321903549	3.5	200	E10	11.5	24	1	4008321903556	2400
3626 ¹⁾	4050300848679	3.7	300	E10	11.5	24	1	4008321903532	200
3626 SCHP ¹⁾	4008321903518	3.7	300	E10	11.5	24	1	4008321903525	2400

MINIWATT® lamps, lens shape

clear									
3647 SCHP ¹⁾	4008321903464	2.2	180	E10	9.2	24	2	4008321903471	2400
3651 SCHP ¹⁾	4008321903488	2.2	250	E10	9.2	24	2	4008321903495	2400
3648 ¹⁾	4050300845166	2.5	300	E10	9.2	24	2	4008321903501	200

MINIWATT® lamps, NF “Brilliant”

3642 SCHP ¹⁾	4008321903402	2.2	250	E10	11.5	24	3	4008321903419	2400
3603 SCHP	4008321903426	2.4	300	E10	11.5	24	3	4008321903433	2400
3638 SCHP	4008321903440	2.5	250	E10	11.5	24	3	4008321903457	2400

MINIWATT® lamps, olive shape

3684 SCHP	4008321903570	2.4	300	P13.5s	10.2	28	4	4008321903587	2400
3685 SCHP	4008321903594	2.4	500	P13.5s	10.2	28	4	4008321903600	2400
3688 SCHP	4008321903617	2.5	200	P13.5s	10.2	28	4	4008321903624	2400
3693 SCHP	4008321903631	3.7	300	P13.5s	10.2	28	4	4008321903648	2400

Order code SCHP indicates a bulk pack.
Standard pack contains 200 lamps; card board blister.

¹⁾ Lamps to DIN 49846, Part 1, Form K

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MINIWATT® krypton lamps



More than usual: MINIWATT® krypton lamps

MINIWATT® krypton lamps from OSRAM are ideal for high-power torches and hand-held searchlights. These lamps, which are available in the “olive” version produce much more light than MINIWATT® standard lamps – and also have an excellent price/performance ratio.



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Product reference	Product number Single pack	V	I [mA]		d_{max} [mm]	l_{max} [mm]	Fig.	Product number Standard pack	SP
2127 SCHK	4050300594606	2.4	700	P13.5s	10.2	28	1	4050300594613	2400
2138 SCHK	4050300594620	3.6	750	P13.5s	10.2	28	1	4050300594637	2400
2155 SCHK	4050300610573	4.8	750	P13.5s	10.2	28	1	4050300610573	2400

Order code SCHK indicates a bulk pack.



Krypton



4050300615981 46477 3 6 215 Mini Krypton 2155 4 x 1.5 V, D

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MINIWATT® halogen lamps

Light that's whiter and brighter: MINIWATT® tungsten- halogen lamps

MINIWATT® tungsten-halogen lamps from OSRAM in hard-glass technology with added halogens offer advantages over conventional lamps that cannot be ignored:

- Constant light throughout life time
- More light for the same wattage
- High colour temperature
- Long life



Product reference	Product number Single pack	V	[mA]						Fig.	Product number Standard pack	SP
MINIWATT® tungsten-halogen lamps for torches											
6405210 SCHP	—	2.8	500	P13.5s	9.3	31	1	1	4050300559254	2400	
6405310	4050300844916	2.8	850	P13.5s	9.3	31	1	1	4050300523545	200	
6405310 SCHP	—	2.8	850	P13.5s	9.3	31	1	1	4050300235738	2400	
6405710 SCHP	—	4.0	500	P13.5s	9.3	31	1	1	4050300233529	2400	
6405730	4050300844176	4.0	500	E10	9.3	31	2	2	4050300523620	200	
6405910	4050300844947	4.0	850	P13.5s	9.3	31	1	1	4050300523521	200	
6405910 SCHP	—	4.0	850	P13.5s	9.3	31	1	1	4050300235691	2400	
6405930	4050300844091	4.0	850	E10	9.3	31	2	2	4050300523668	200	
6406110 SCHP	—	4.8	500	P13.5s	9.3	31	1	1	4050300278858	2400	
6406310	4050300845432	5.2	500	P13.5s	9.3	31	1	1	4050300523385	200	
6406310 SCHP	—	5.2	500	P13.5s	9.3	31	1	1	4050300233604	2400	
6406330	4050300844138	5.2	500	E10	9.3	31	2	2	4050300523644	200	
6406330 SCHP	—	5.2	500	E10	9.3	31	2	2	4050300235998	2400	
6406510	4050300845364	5.2	850	P13.5s	9.3	31	1	1	4050300523408	200	
6406510 SCHP	—	5.2	850	P13.5s	9.3	31	1	1	4050300234236	2400	
6406530	4050300844213	5.2	850	E10	9.3	31	2	2	4050300523606	200	
6406530 SCHP	—	5.2	850	E10	9.3	31	2	2	4050300234663	2400	
6407370 SCHP	—	6.5	850	G4	9.3	31	3	3	4050300301839	4800	

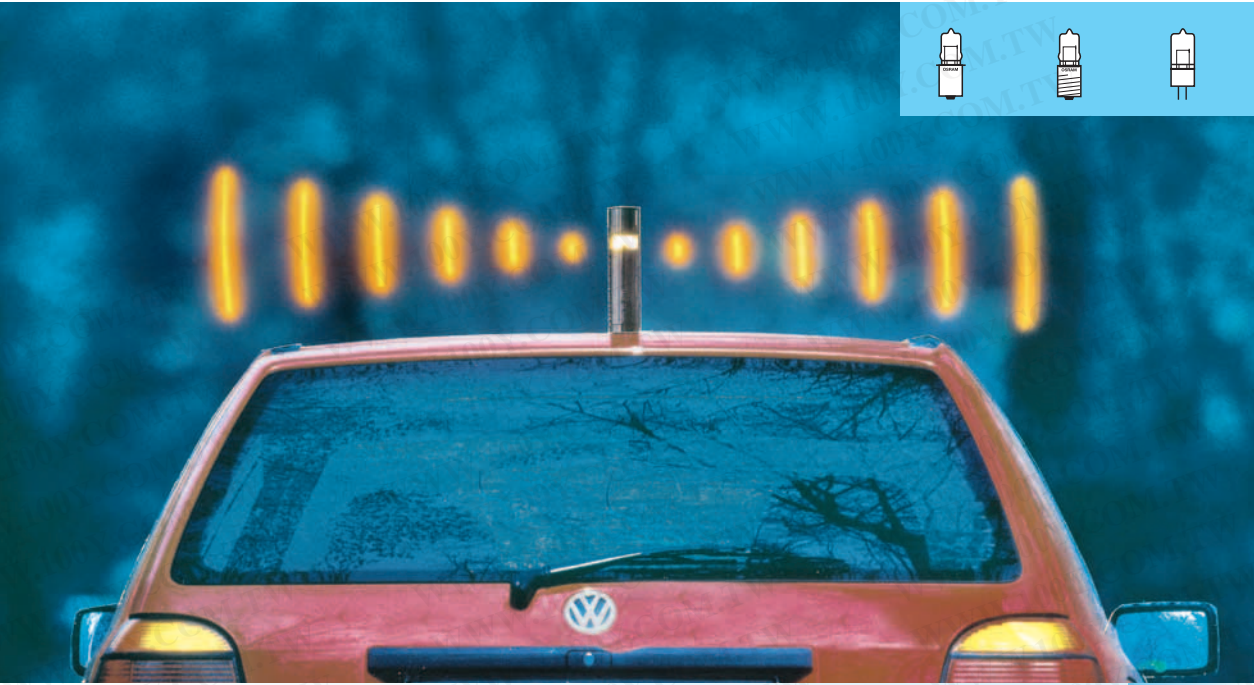
MINIWATT® long-life tungsten-halogen lamps

6404110 SCHP	—	4.0	1 A	PX13.5s	9.3	31	1	1	4050300238685	2400
6404210 SCHP	—	4.0	750	PX13.5s	9.3	31	1	1	4050300250458	2400

Order code SCHP indicates a bulk pack.
Standard pack contains 200 lamps; card board blister.

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beam and morse function

- Computer designed Superspot reflector for enormous range

Halogen torches in boxes (plastic)

Type	Product no. BLACK	Prod. ref. BLACK	Fig.	SP	Lamp	Battery
MINI HALOGEN	4050300020068	46420	1	12	MINIWATT 6405310	2x1.5 V, C
HOBBY HALOGEN	4050300011738	46496	2	6	MINIWATT 6406310	4x1.5 V, AA
MULTI HALOGEN	4050300007991	46494	3	6	MINIWATT 6406310	4x1.5 V, AA
POWER HALOGEN Z2	4050300322469	46412	5	6	MINIWATT 6405310	2x1.5 V, D
POWER HALOGEN Z3	4050300322483	46413	4	6	MINIWATT 6405910	3x1.5 V, D

HALOMAX® MAGNIFYING GLASS

Type	Product no. SILVER	Prod. ref. SILVER	SP	Lamp	Battery
HALOMAX® MAGNIFYING GLASS in boxes	4050300169729	46461	6	MINIWATT 6406330	4x1.5 V, AA
HALOMAX® MAGNIFYING GLASS in blister packs	4050300625652	46461-01	6	MINIWATT 6406330	4x1.5 V, AA

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Halogen torches



HALOGEN

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Super-bright and multi-functional:

STAR HALOGEN STAR HALOGEN ACCU

Compact torches made from high-grade aluminium that combine super-bright halogen light with well-thought-out versatile functionality.

- Slim, high-intensity torch and warning light
- Wide beam, narrow beam and warning light functions
- Long-range thanks to special computer-designed reflector
- Practical magnet for easy mounting in base
- STAR HALOGEN ACCU: with rechargeable, replaceable batteries

POWERLITE 2 and 3

Large extremely rugged torches with high-grade aluminium casing. Super bright halogen light for extremely long-range beams.

- Torches with enormous range and high-intensity light
- Wide beam, narrow beam and morse function
- Computer designed Super-spot reflector for enormous range

CAMPING HALOGEN DIM

Modern camping lantern with super bright halogen light, rugged splash-proof steel and plastic casings and attractive design.

- Modern decorative camping lantern
- For brilliant white halogen light
- Practical carrying handle and hanging hook
- 4-stage dimming: 100%, 70%, 35% and 8%



Halogen torches (metal) in boxes

Type	Product no. <small>SILVER</small>	Prod. ref. <small>SILVER</small>	Fig.	SP	Lamp	Battery (Rechargeable)
STAR HALOGEN	4050300501017	46480	1	6	MINIWATT 6405710	3x1.5 V Mignon AA

Halogen torches (metal) in blister packs

Type	Product no. <small>BLACK/BLISTER</small>	Prod. ref. <small>BLACK/BLISTER</small>	Product no. <small>SILVER/BLISTER</small>	Prod. ref. <small>SILVER/BLISTER</small>	Fig.	SP	Lamp	Battery (Recharg.)
STAR HALOGEN	4050300532035	46480-01	4050300569734	46480-01	1	6	MINIWATT 6405710	3x1.5 V, AA
STAR HALOGEN ACCU	4050300532059	46485-01	4050300186610	46485-01	1	6	MINIWATT 6405710	3x1.2 V/ 0.5 A

Halogen torches (metal) in boxes

Type	Product no. <small>SILVER</small>	Prod. ref. <small>SILVER</small>	Fig.	SP	Lamp	Battery
POWERLITE 2	4050300572819	46414	2	6	MINIWATT 6405310	2x1.5 V, D
POWERLITE 3	4050300572833	46416	3	6	MINIWATT 6405910	3x1.5 V, D

Halogen torches (metal) in blister packs

Type	Product no.	Prod. ref.	Fig.	SP	Lamp	Battery
POWERLITE 2	4050300569833	46414-01	2	6	MINIWATT 6405310	2x1.5 V, D
POWERLITE 3	4050300569857	46416-01	3	6	MINIWATT 6405910	3x1.5 V, D

CAMPING HALOGEN DIM (metal)

Product no.	Prod. ref.	Fig.	SP	Lamp	Battery
4050300900063	46475	4	6	MINIWATT 6406310	4x1.5 V, D

XENON torches



XENON



Even brighter, even smaller – the new flagship models: XENON MINIWATT® tungsten-halogen lamps for torches

XENON MINIWATT® tungsten-halogen lamps are the new stars in the MINIWATT® range. Up to now, brilliant white xenon light has been setting new standards particularly in automotive lighting. Now xenon lamps are also available for torches:

XENON MINIWATT® represents a further increase in the quality of light and a reduction in the size of the lamp.

- Colour temperature greater than 3000 K
- Maximum light thanks to xenon gas
- Constant light thanks to added halogens
- Small bulb → optimum reflector adaptation

Torches with XENON MINIWATT® tungsten-halogen lamps

The MINI XENON torch from OSRAM sets new standards in technology and power. With its ultra modern XENON MINIWATT® tungsten-halogen lamp, this torch provides pure white light of impressive brilliance.

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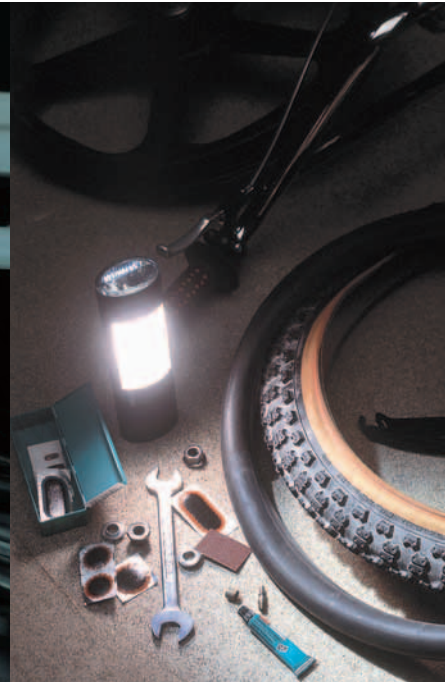
Product reference	V	I (mA)				Fig.	Product number Standard pack	SP
XENON MINIWATT® tungsten-halogen lamps for torches								
64090 SCHP	2.7	1220	G2.5	5.5	23	1	4050300716558	10000
64091 SCHP	2.4	410	G2.5	5.5	23	1	4050300716534	10000
64092 SCHP	2.7	800	G2.5	5.5	23	1	4050300716541	10000
64095 SCHP	4.0	600	G2.5	5.5	23	1	4050300795454	10000
64096 SCHP	4.0	830	G2.5	5.5	23	1	4050300795461	10000

MINI XENON torch						
Type	Product no. SILVER	Prod. ref. SILVER	Fig.	SP	Lamp	Battery
MINI XENON in boxes	4050300789606	46464	2	6	MINIWATT XENON 64092	2x1.5V, AA
MINI XENON in blister packs	4050300986029	46464-01	2	6	MINIWATT XENON 64092	2x1.5V, AA

Order code SCHP indicates a bulk pack.



Energy-saving torches



Real "long-distance runners": torches with energy-saving lamps

OSRAM torches with OSRAM DULUX® compact fluorescent lamps are particularly frugal with battery power. They consume only one fifth of the energy of comparable incandescent lamps to produce the same light and will provide constant light for up to four hours.

The energy-saving lamps cannot be replaced, but with a lifetime of up to 8000 hours they will last more or less as long as the torch itself. The MINIWATT® tungsten-halogen lamps used in the combi-torches can be replaced quickly as easily.

OSRAM DULUX® MINI and MINI COMBI are super compact mini torches with extremely long life energy-saving compact fluorescent lamps.

OSRAM DULUX® MINI

- Bright energy-saving light no bigger than a pack of playing cards
- Work and reading light
- With a practical clip

MINI COMBI

- Bright energy-saving lamps with super-bright halogen light
- Work and reading light plus wide beam



1

2

3

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Compact energy-saving torches in boxes

Type	Product no. BLACK	Product no. SILVER	Prod. ref.	Fig.	SP	Lamp replaceable	Battery
OSRAM DULUX® MINI	4050300455839	-	46429	1	6	-	2x1.5 V, AA
MINI COMBI	-	4050300556499	46432	2	6	MINIWATT 6405210	2x1.5 V, AA

Compact energy-saving torches in blister packs

Type	Product no. BLACK/BLISTER	Product no. SILVER/BLISTER	Prod. ref.	Fig.	SP	Lamp replaceable	Battery
OSRAM DULUX® MINI	4050300165769	-	46429-01	1	6	-	2x1.5 V, AA
MINI COMBI	-	4050300569819	46432-01	2	6	MINIWATT 6405210	2x1.5 V, AA

Compact energy-saving torches in presentation cases

Type	Product no. BLACK	Product no. SILVER	Prod. ref.	Fig.	SP	Lamp replaceable	Battery
MINI COMBI	-	4050300606006	46433	3	6	MINIWATT 6405210	2x1.5 V, AA

Compact fluorescent lamps cannot be replaced



Energy-saving light



OSRAM DULUX® MOBIL, MOBIL COMBI and MOBIL COMBI ACCU are compact, high-intensity energy-saving torches with well-thought out functions for a range of applications.

OSRAM DULUX® MOBIL

- Bright work and reading light
- Instant start thanks to electronic circuit
- With a practical clip

OSRAM DULUX® MOBIL COMBI

- Bright working and reading light with super-bright halogen light
- With power-saving switch

OSRAM DULUX® MOBIL COMBI ACCU

- Bright working and reading light with super-bright halogen light
- Plus: rechargeable replaceable battery with mains charger and emergency light function during power failure



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Energy-saving torches in boxes

Type	Product no. <small>BLACK</small>	Prod. ref.	Fig.	SP	Lamp <small>Replaceable</small>	Battery (Rechargeable)
OSRAM DULUX® MOBIL	4050300322520	46430	1	6	-	4x1.5 V, AA
OSRAM DULUX® MOBIL COMBI	4050300398280	46431	2	6	MINIWATT 6406310	4x1.5 V, AA
OSRAM DULUX® MOBIL COMBI ACCU	4050300398303	46436	3	6	MINIWATT 6406310	4x1.2 V A/0.5 A

Energy-saving torches in blister packs

Type	Product no. <small>BLACK BLISTER</small>	Prod. ref.	Fig.	SP	Lamp <small>Replaceable</small>	Battery (Rechargeable)
OSRAM DULUX® MOBIL COMBI ACCU	4050300569529	46436-01	3	6	MINIWATT 6406310	4x1.2 V A/0.5 A

Compact fluorescent lamps cannot be replaced



Energy-saving light



Energy-saving camping lantern

Adventure. Holiday. Leisure. Camping lantern with energy-saving lamps

CAMPING ENERGY AUTOMATIC is a modern camping lantern with a robust, splash-proof steel and plastic housing and attractive design. The integrated replaceable OSRAM DULUX® S/E 7 W compact fluorescent lamp is as bright as an ordinary 40 W light bulb.

- Innovative camping lantern
- With modern energy-saving lamp and electronic control gear
- Practical carrying handle and hanging hook
- Remote control/standby setting



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CAMPING ENERGY AUTOMATIC

Product no.	Prod. ref.	Fig.	SP	Lamp	Battery
4050300776057/GREEN	46471	1	6	OSRAM DULUX® S/E 31	4x1.5 V, D

from OSRAM provide reliable light for close work. The mini torch, key chain and ballpoint pen are extremely attractive and hard-wearing, and combine modern metallic styling with sophisticated technology. The low power consumption of the LEDs used means that battery life is very long indeed. The LEDs themselves will last an extremely long time in normal use.

LED KEY CHAIN

- Extremely compact LED key fob
- Bright point light source
- With chain and karabiner to take keys and attach to belts

so you can still write in pitch darkness

- Unscrew the middle section to reveal a mini LED torch



LED torch

Type	Product no. <small>SILVER/BLISTER</small>	Prod. ref.	Fig.	SP	Battery
LED TRACER	4050300778006	46446-01	1	6	2x1,5 V, AAA

LED key chain

Type	Product no. <small>SILVER/BLISTER</small>	Prod. ref.	Fig.	SP	Battery
LED KEY CHAIN	4050300779799	46447-01	2	6	2x3 V CR 2025 button cells

LED ballpoint pen

Type	Product no. <small>SILVER/BLISTER</small>	Prod. ref.	Fig.	SP	Battery
LED LITE + WRITE	4050300789576	46448-01	3	6	4x1.5 V LR41 button cells
LED PEN FLUO	4050300946115	46445-01	4	6	3x1.5 V LR44 button cells

The lamps cannot be replaced

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Summary of lamps and torches

All the torches at a glance:
light, functions, colour, material

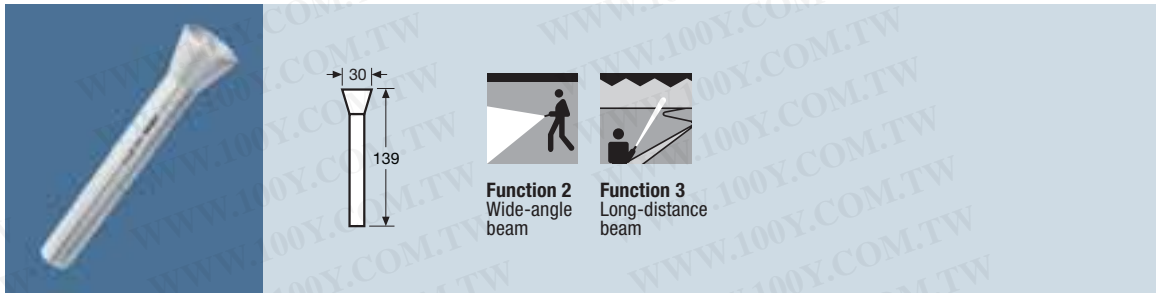
	Krypton	Halogen	Xenon	Energy-saving	LED	Functions					
						1	2	3	4	5	6
MINI KRYPTON	•							•			
KRYPTON METAL	•							•			
KRYPTON POWER	•							•			
MINI HALOGEN		•					•		•		
HOBBY HALOGEN		•				•		•	•	•	
MULTI HALOGEN		•					•	•	•	•	•
POWER HALOGEN Z2		•					•	•	•		
POWER HALOGEN Z3		•					•	•	•		
HALOMAX® MAGNIFYING GLASS		•				•					
STAR HALOGEN		•					•	•		•	•
STAR HALOGEN ACCU		•					•	•		•	•
POWERLITE 2		•					•	•	•		
POWERLITE 3		•					•	•	•		
CAMPING HALOGEN DIM		•				•					
MINI XENON			•				•	•			
OSRAM DULUX® MINI				•		•					
MINI COMBI		•	•			•		•			
OSRAM DULUX® MOBIL				•		•					
OSRAM DULUX® MOBIL COMBI		•	•			•		•			
OSRAM DULUX® MOBIL COMBI ACCU		•	•			•		•			
CAMPING ENERGY AUTOMATIC				•		•					
LED TRACER					•		•				
LED KEY CHAIN					•		•				
LED LITE + WRITE					•		•				
LED PEN FLUO					•	• ³⁾					

All the lamps at a glance:

	Efficiency	Lifespan	Brightness
MINIWATT standard lamps	●●●●●	●●●●●	●●●●●
MINIWATT krypton lamps	●●●●●	●●●●●	●●●●●
MINIWATT tungsten-halogen lamps	●●●●●	●●●●●	●●●●●
MINIWATT xenon lamps	●●●●●	●●●●●	●●●●●
Energy-saving lamps	●●●●●	●●●●●	●●●●●
LED lamps	●●●●●	●●●●●	●●●●●

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MINI XENON XENON SUPER¹⁾, XENON EXCELLENCE¹⁾



Product reference	Product number	Product name	COLOR	l [mm]	d [mm]	Icon	Function
46464	4050300789606	MINI XENON	silver	139	30	6x1	2, 3
46464-01 (Blister)	4050300767963	MINI XENON	silver	139	30	6x1	2, 3

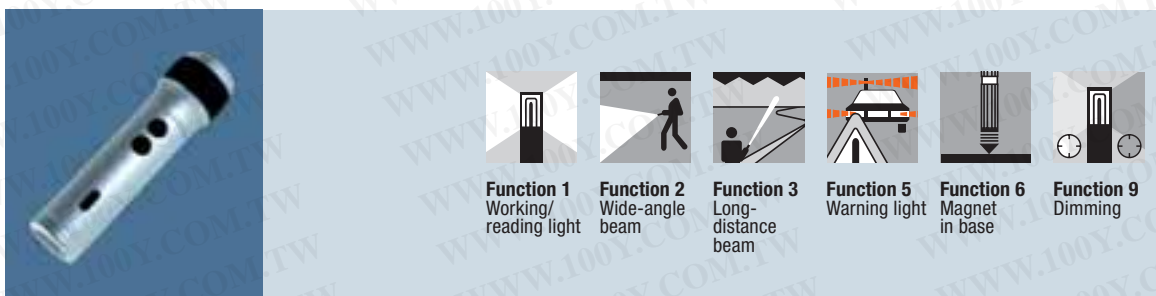
Description and features

MINI XENON sets new standards in technology and power. With its ultra modern MINIWATT XENON lamp this torch provides pure white light of impressive brilliance.

- High-quality aluminium casing

Technical data and equipment

- Equipped with MINIWATT® XENON 64092 lamp
- Rating: 2.7 V/0.8 A
- Batteries required: 2 x 1.5 V, LR 6 AA
- **CE**



Product reference	Product number	Product name	COLOR	l [mm]	d [mm]	Icon	Function
46465-01	4008321909077	XENON SUPER	silver	152	43	6x1	1, 2, 3, 5, 6, 9
46466-01	4008321909107	XENON EXCELLENCE	silver	252	43	6x1	1, 2, 3, 5, 6, 9

Description and features

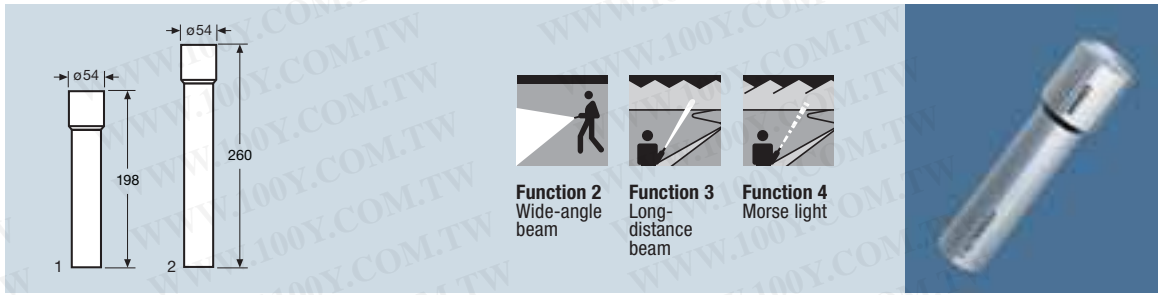
XENON SUPER and XENON EXCELLENCE are multi-functional high-intensity torches with MINIWATT® XENON lamps.

- High-quality aluminium casing
- Separate function switch
- Constant light and 2 dimming stages with focusable beam
- 2 flashing speeds
- Pull-out head for all-round working light or flashing warning light
- Practical magnet for easy mounting in base

Technical data and equipment

- **CE**
- XENON SUPER
- Equipped with MINIWATT® XENON 64095 lamp
 - Rating: 4.0 V/0.6 A
 - Batteries required: 3 x 1.5 V LR 6 AA
- XENON EXCELLENCE
- Equipped with MINIWATT® XENON 64096 lamp
 - Rating: 4.0 V/0.83 A
 - Batteries required: 3 x 1.5 V LR 14 C

POWERLITE²⁾ STAR HALOGEN, STAR HALOGEN ACCU



Product reference	Product number	Product name	COLOR	l [mm]	d [mm]	No.	Function
46414	4050300572819	POWERLITE 2	silver	198	54	1	6x1 2, 3, 4
46414-01 (Blister)	4050300569833	POWERLITE 2	silver	198	54	1	6x1 2, 3, 4
46416	4050300572833	POWERLITE 3	silver	260	54	2	6x1 2, 3, 4
46416-01 (Blister)	4050300569857	POWERLITE 3	silver	260	54	2	6x1 2, 3, 4

Description and features

POWERLITE 2 and 3 are large, robust classic torches with super-bright halogen light with an enormous range.

- High-quality aluminium casing
- Computer designed superspot reflector for enormous range
- Wide beam, narrow beam and Morse function

Technical data and equipment

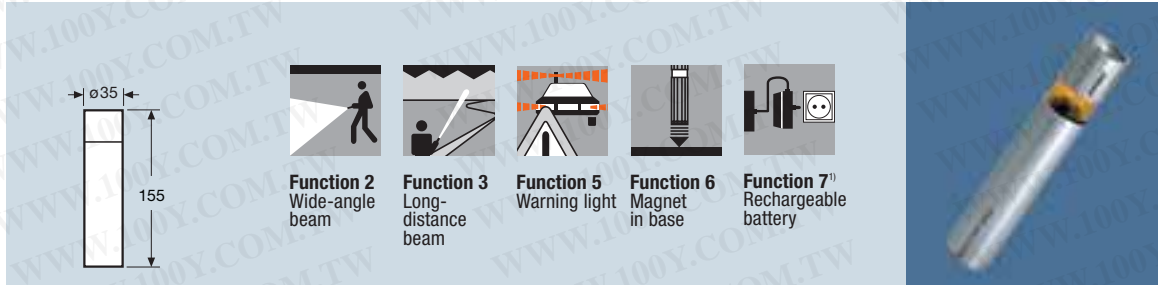
• CE

POWERLITE 2:

- Equipped with MINIWATT® 6405310 lamp
- Rating: 2.8 V/0.85 A
- Batteries required: 2 x 1.5 V LR 20 D

POWERLITE 3:

- Equipped with MINIWATT® 6405910 lamp
- Rating: 4.0 V/0.85 A
- Batteries required: 3 x 1.5 V LR 20 D



Product reference	Product number	Product name	COLOR	l [mm]	d [mm]	Function
46480	4050300501017	STAR HALOGEN	silver	155	35	6x1 2, 3, 5, 6
46480-01 (Blister)	4050300569734	STAR HALOGEN	silver	155	35	6x1 2, 3, 5, 6
46480-01 (Blister)	4050300532035	STAR HALOGEN	black	155	35	6x1 2, 3, 5, 6
46481 (Etui)	4050300524177	STAR HALOGEN	silver	155	35	6x1 2, 3, 5, 6
46485-01 (Blister)	4050300186610	STAR HALOGEN ACCU	silver	155	35	6x1 2, 3, 5, 6, 7 ¹⁾
46485-01 (Blister)	4050300532059	STAR HALOGEN ACCU ²⁾	black	155	35	6x1 2, 3, 5, 6, 7 ¹⁾

Description and features

STAR HALOGEN and STAR HALOGEN ACCU are compact torches made from high-grade aluminium that combine super-bright halogen light with well-thought out versatile functionality.

- High-quality aluminium casing
- Long-range thanks to special computer-designed reflector
- Wide beam, narrow beam and warning light functions
- Practical magnet for easy mounting in base
- With rechargeable, replaceable batteries

Technical data and equipment

- Equipped with MINIWATT® 6405710 tungsten halogen lamp

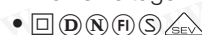
• CE

STAR HALOGEN:

- Batteries required: 3 x 1.5 V LR 6 AA

STAR HALOGEN ACCU:

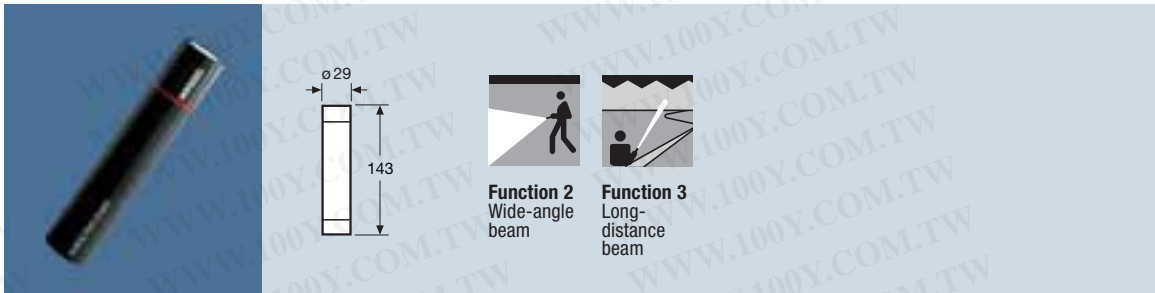
- Batteries required: 3 x 1.2 V/0.5 A
- Mains voltage: 230 V/50 Hz



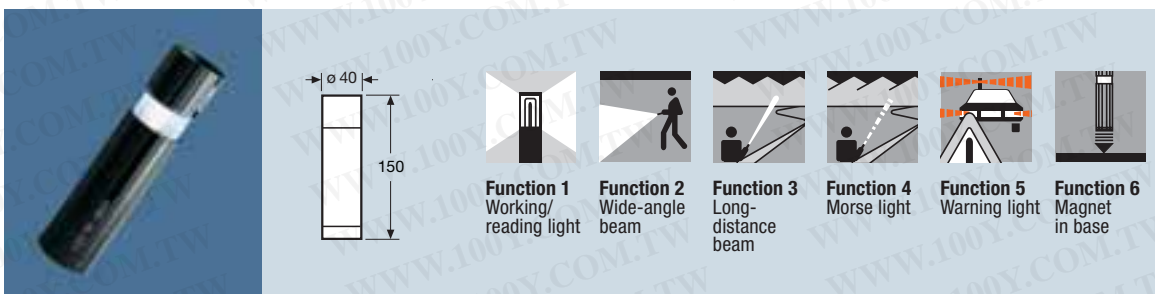
1) Replaceable battery, with mains charger
2) Product about to be discontinued

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MINI HALOGEN HOBBY HALOGEN, MULTI HALOGEN



Product reference	Product number	Product name	COLOR	l [mm]	d [mm]	Function
46420	4050300020068	MINI HALOGEN	black	143	29	12x1 2, 3



Product reference	Product number	Product name	COLOR	l [mm]	d [mm]	Function
46496	4050300011738	HOBBY HALOGEN	black	150	40	6x1 1, 2, 3, 4
46494	4050300007991	MULTI HALOGEN	black	150	40	6x1 2, 3, 4, 5, 6

Description and features

MINI HALOGEN, HOBBY HALOGEN and MULTI HALOGEN are halogen torches in an easily portable format.

- Robust plastic casing
- Wide beam and narrow beam function

HOBBY HALOGEN

- Additional Morse light
- Pull-out head for all-round working light

MULTI HALOGEN

- Additional Morse light
- Pull-out head for flashing warning light
- Practical magnet for easy mounting in base

Technical data and equipment

- CE

MINI HALOGEN

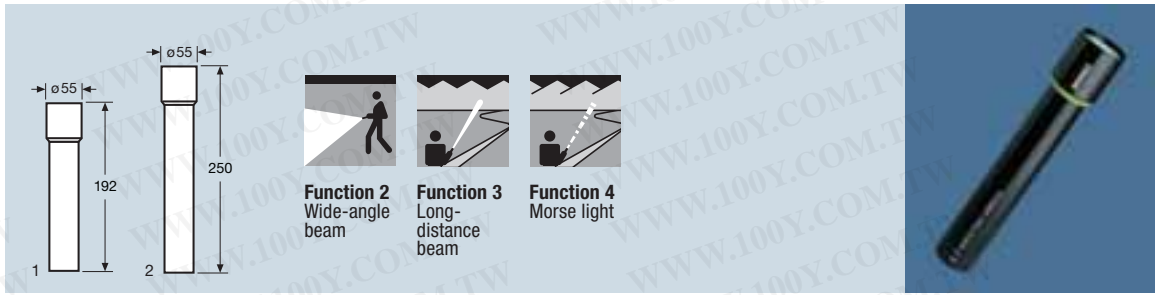
- Equipped with MINIWATT® 6405310 lamp
- Rating: 2.8 V/0.85 A
- Batteries required: 2 x 1.5 V LR 14 C

HOBBY HALOGEN and MULTI HALOGEN

- Equipped with MINIWATT® 6406310 lamp
- Rating: 5.2 V/0.5 A
- Batteries required: 4 x 1.5 V LR 6 AA

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POWER HALOGEN Z HALOMAX®-S MAGNIFYING GLASS



Product reference	Product number	Product name	COLOR	l [mm]	d [mm]	No.	Function
46412	4050300322469	POWER HALOGEN Z2	black	192	55	1	6x1, 2, 3, 4
46413	4050300322483	POWER HALOGEN Z3	black	250	55	2	6x1, 2, 3, 4

Description and features

POWER HALOGEN Z2 and Z3 are large, robust classic torches with super-bright halogen light with an enormous range.

- Robust plastic casing
- Computer designed superspot reflector for enormous range
- Wide beam, narrow beam and Morse function

Technical data and equipment

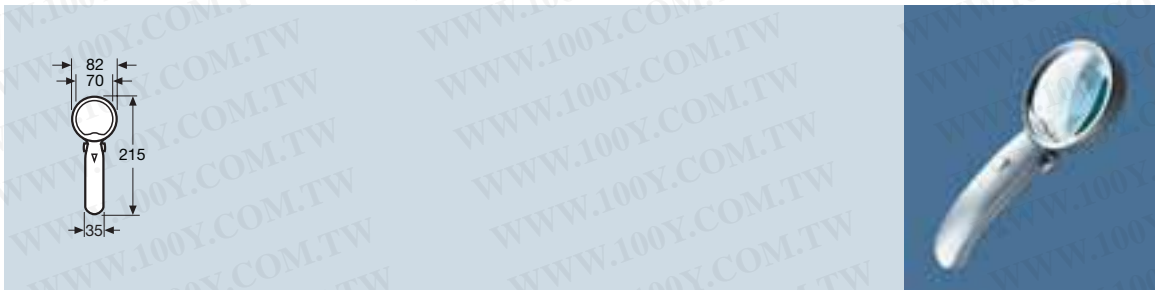
- CE

POWER HALOGEN Z2

- Equipped with MINIWATT® 6405310 lamp
- Rating: 2.8 V/0.85 A
- Batteries required: 2 x 1,5 V LR 20 D

POWER HALOGEN Z3

- Equipped with MINIWATT® 6405910 lamp
- Rating: 4.0 V/0.85 A
- Batteries required: 3 x 1,5 V LR 20 D



Product reference	Product number	Product name	COLOR	l [mm]	b [mm]	h [mm]	Function
46461	4050300169729	HALOMAX®-S MAGNIFYING GLASS	silver	215	82	25	6x1
46461-01 (Blister)	4050300625652	HALOMAX®-S MAGNIFYING GLASS	silver	215	82	25	6x1

Description and features

HALOMAX®-S is an ergonomic magnifying glass with a high-quality lens and built-in halogen lamp.

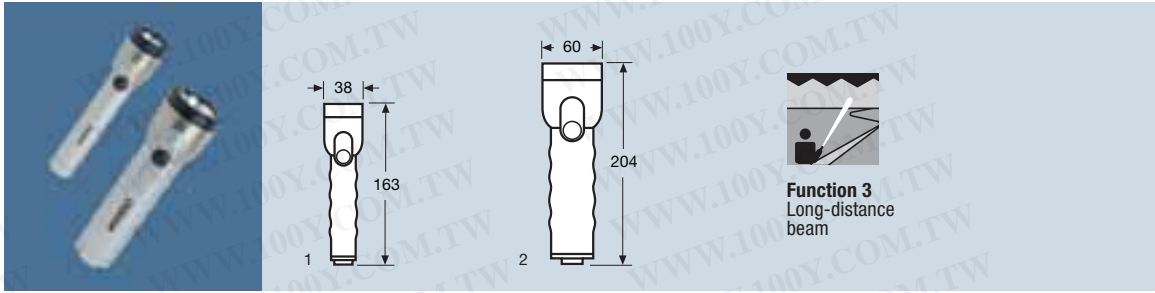
- Conveniently sited light-switch for right-handers and left-handers
- High-quality optical lens from scratch-resistant glass with 7 cm diameter and 2.5x magnification

Technical data and equipment

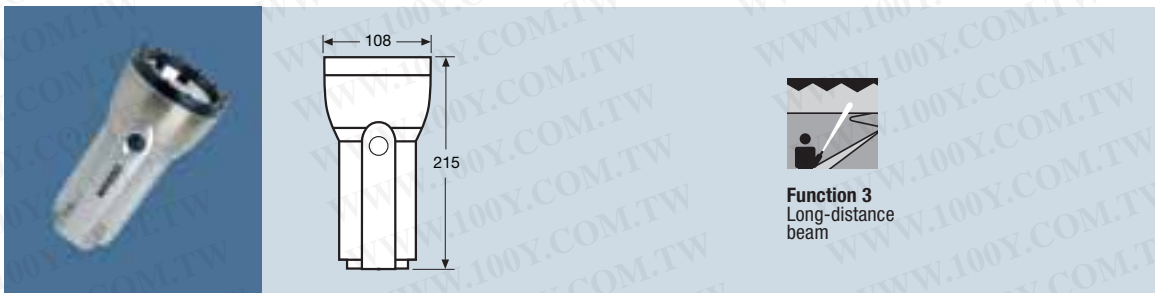
- Equipped with MINIWATT® 6406330 lamp
- Rating: 5.2 V/0.5 A
- Batteries required: 4 x 1.5 V, LR 6 AA
- CE

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MINI KRYPTON, KRYPTON METAL KRYPTON POWER



Product reference	Product number	Product name	COLOR	l [mm]	d [mm]	No.	Icon	Function
46476-01 (Blister)	4050300616001	MINI KRYPTON	silver/blue	163	38	1	6x1	3
46479-01 (Blister)	4050300615967	KRYPTON METAL	silver/blue	204	60	2	6x1	3



Product reference	Product number	Product name	COLOR	l [mm]	d [mm]	Icon	Function
46477	4050300615981	KRYPTON POWER	silver/blue	215	108	6x1	3

Description and features

MINI KRYPTON, KRYPTON METAL and KRYPTON POWER are torches with modern krypton lamps and practical design.

- Robust steel/plastic casing
- Splash-proof
- Practical fastening ring

MINI KRYPTON and KRYPTON METAL

- Compact torch

KRYPTON POWER

- High-power searchlight
- For long range
- Easy to hold handle

Technical data and equipment

- CE

MINI KRYPTON

- Equipped with MINIWATT® KRYPTON 2127 lamp
- Rating: 2.4 V/0.7 A
- Batteries required: 2 x 1.5 V LR 6 AA

KRYPTON METAL

- Equipped with MINIWATT® KRYPTON 2127 lamp
- Rating: 2.4 V/0.7 A
- Batteries required: 2 x 1,5 V LR 20 D

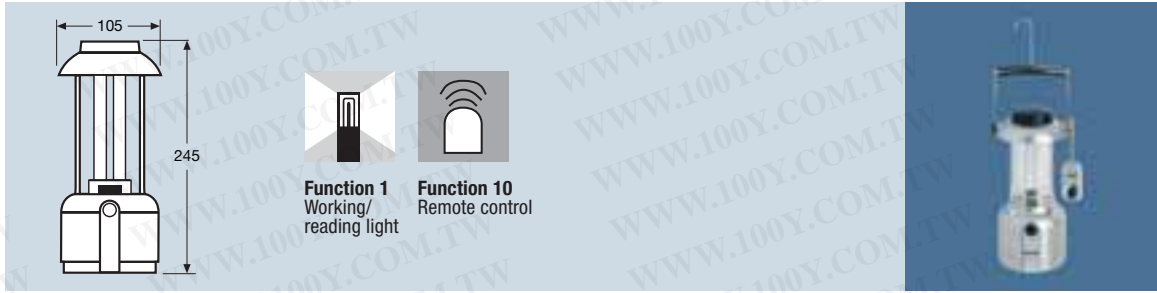
KRYPTON POWER

- Equipped with MINIWATT® KRYPTON 2155 lamp
- Rating: 5.2 V/0.5 A
- Batteries required: 4 x 1,5 V LR 20 D

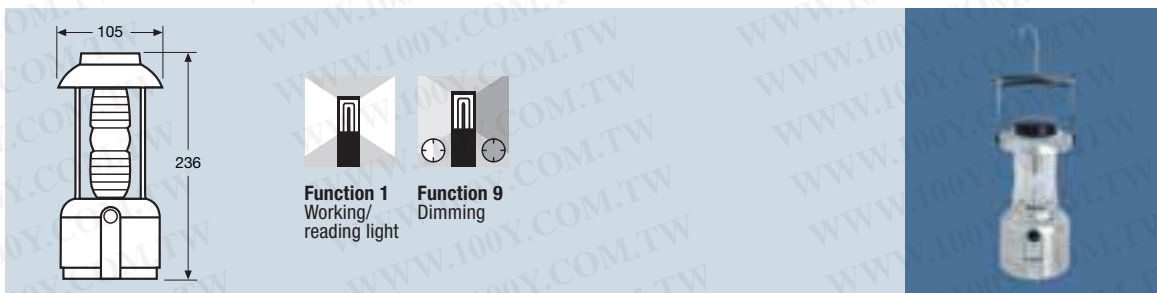
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CAMPING ENERGY AUTOMATIC CAMPING HALOGEN DIM



Product reference	Product number	Product name	COLOR	h [mm]	d [mm]	Quantity	Function
46471	4050300776057	CAMPING ENERGY AUTOMATIC	silver/blue	245	105	6x1	1, 10



Product reference	Product number	Product name	COLOR	h [mm]	d [mm]	Quantity	Function
46475	4050300900063	CAMPING HALOGEN DIM	silver/blue	236	105	6x1	1, 9

Description and features

CAMPING ENERGY AUTOMATIC and CAMPING HALOGEN DIM are modern camping lanterns in high-quality design.

- Robust steel/plastic casing
- Splash-proof
- Practical carrying handle and hanging hook

CAMPING ENERGY AUTOMATIC

- With 7 W energy-saving lamp for wide-area work light
- As bright as a 40 W light bulb
- Remote control for standby mode

CAMPING HALOGEN DIM

- For brilliant white halogen light
- 4 levels: 100%, 70%, 35%, 8%

Technical data and equipment

- Batteries required: 4 x 1.5 V LR 20 D
- CE

CAMPING ENERGY AUTOMATIC

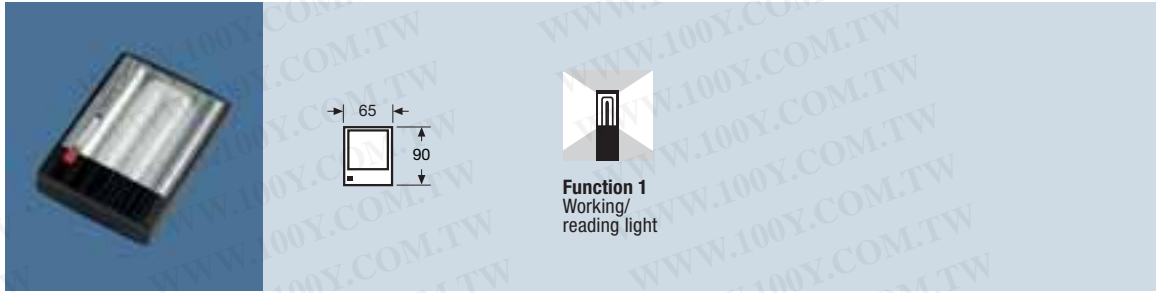
- Equipped with OSRAM DULUX® S/E 31-830 lamp
- Rating: 7 W

CAMPING HALOGEN DIM

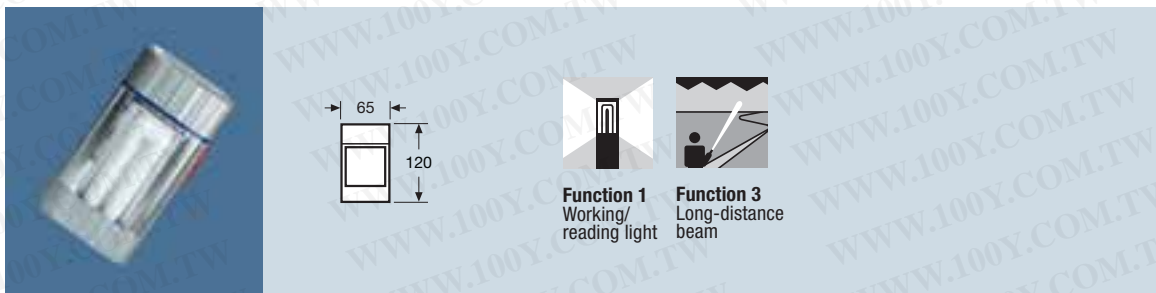
- Equipped with MINIWATT® 6406310 lamp
- Rating: 5.2 V/0.85 A

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OSRAM DULUX® MINI MINI COMBI



Product reference	Product number	Product name	COLOR	l [mm]	b [mm]	h [mm]		Function
46429	4050300455839	OSRAM DULUX MINI	black	90	65	19	6x1	1
46429-01 (Blister)	4050300165769	OSRAM DULUX MINI	black	90	65	19	6x1	1



Product reference	Product number	Product name	COLOR	l [mm]	b [mm]	h [mm]		Function
46432	4050300556499	MINI COMBI	silver	120	65	20	6x1	1, 3
46432-01 (Blister)	4050300569819	MINI COMBI	silver	120	65	20	6x1	1, 3
46433 (Etui)	4050300606606	MINI COMBI	silver	120	65	20	6x1	1, 3

Description and features

OSRAM DULUX® MINI and MINI COMBI are compact mini torches with extremely long life energy-saving compact fluorescent lamps.

- Robust plastic casing

OSRAM DULUX® MINI

- Bright energy-saving light
- Work and reading light
- With a practical clip

MINI COMBI

- Bright energy-saving lamps with super-bright halogen light
- Work and reading light plus wide beam

Technical data and equipment

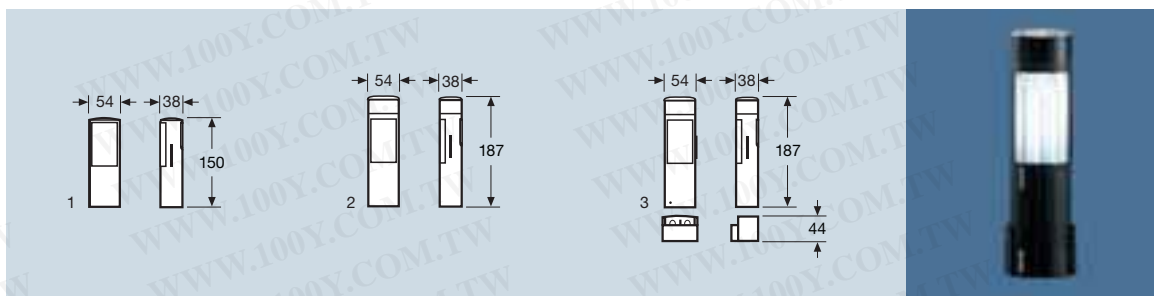
- Batteries required: 2 x 1.5 V LR 6 AA
- Equipped with LUMILUX® 21-840 lamp (not replaceable)
- Rating: 3 W
- **CE**

MINI COMBI

- Also equipped with a MINIWATT® 6405210 lamp
- Rating: 2.8 V/0.5 A

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OSRAM DULUX® MOBIL, OSRAM DULUX® MOBIL COMBI OSRAM DULUX® MOBIL COMBI ACCU



Product reference	Product number	COLOR	l [mm]	b [mm]	h [mm]	No.	Function
OSRAM DULUX® MOBIL							
46430	4050300322520	black	150	54	38	1	6x1 1
OSRAM DULUX® MOBIL COMBI							
46431	4050300398280	black	187	54	38	2	6x1 1, 3, 9
OSRAM DULUX® MOBIL COMBI ACCU							
46436	4050300398303	black	187	54	38	3	6x1 1, 3, 7, 8, 9
46436-01 (Blister)	4050300569529	black	187	54	38	3	6x1 1, 3, 7, 8, 9



Function 1
Working/
reading light



Function 3
Long-distance
beam



Function 7
Rechargeable
battery



Function 8
Emergency
light function



Function 9
Dimming

Description and features

OSRAM DULUX® MOBIL, MOBIL COMBI and MOBIL COMBI ACCU are compact, high-intensity energy-saving torches with well-thought out functions for a range of applications.

- Robust plastic casing
- With 5 W energy-saving lamp for wide-area work light
- As bright as a 25 W light bulb
- Instant start thanks to electronic circuit
- With a practical clip

OSRAM DULUX® MOBIL

- Bright energy-saving light
- Work and reading light

OSRAM DULUX® MOBIL COMBI

- Bright energy-saving lamps with super-bright halogen light
- Work and reading light plus wide beam
- 2 brightness levels: 100% and 50%

OSRAM DULUX® MOBIL COMBI ACCU

- Bright energy-saving lamps with super-bright halogen light
- Work and reading light plus wide beam
- 2 brightness levels: 100% and 50%

- Also with replaceable rechargeable batteries and wall bracket with mains charger
- Automatically switches on if it is in its charger and there is a power failure

Technical data and equipment

- Equipped with LUMILUX® 21-840 lamp (not replaceable)
- Rating: 5 W

OSRAM DULUX® MOBIL

- Batteries required: 4 x 1.5 V LR 6 AA

OSRAM DULUX® MOBIL COMBI

- Also equipped with a MINIWATT® 6406310 lamp
- Rating: 5.2 V/0.5 A
- Batteries required: 4 x 1.5 V LR 6 AA

OSRAM DULUX® MOBIL COMBI ACCU

- Also equipped with a MINIWATT® 6406310 lamp
- Rating: 5.2 V/0.5 A
- Batteries required: 4 x 1.2 V KR 6 AA
- Charging station: 230 V/50 Hz
-

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