

E X - S E A R C H L I G H T

SEB 8
SEB 8 L | SEB 8 ADR

The powerful explosion-protected portable searchlights SEB 8 and SEB 8 L are in accordance to the ATEX-Directive 94/9/EG and have therefore been certified for usage in the Zones 1, 2, 21 and 22 in the T4 temperature class.

Their use is permitted in nearly any area where the hazard of an explosive atmosphere exists. They have been developed for inspection, maintenance and repair operations in hazardous explosive atmospheres. Due to their robust construction and the high IP 65 safety standard they can be used in nearly any work area subject to high mechanical stress and high humidity.

The searchlights have a light intense Halogen double bulb, a gas-tight NiCd battery 4,8 V/7 Ah and a 5 LED Display.

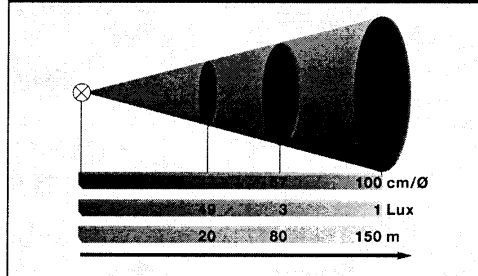
Five light emitting diodes provide continuous information on the current operating and charging state, plus it will also "warn" you in due time when the battery capacity is low or it needs to be replaced.

The electronics additionally protect against excessive discharging as well as overcharging – only the amount of energy that has been used will be replaced. This increases the service life of the battery.

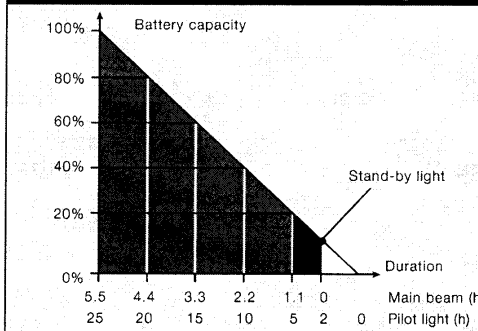
In the event of a broken filament, the lamp will automatically switch over from the main beam to the standby light, in order to prevent the user from being left suddenly in the dark.



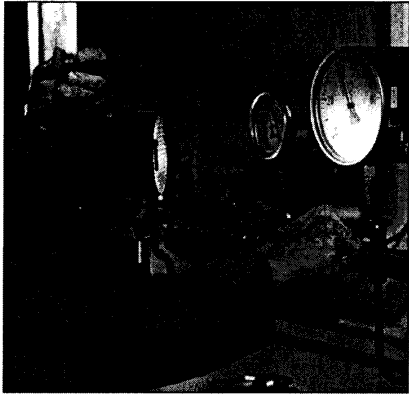
Range-diagram



Indication of residual operating time



- Halogen lamp with double bulb:
- Luminous intensity after 4 h ≥ 15000 cd
- Indication of available duration provides safety of operation
- Broken filament and Automatic switchover to pilot light occurs
- No overcharging of the battery due to a recharge dependent on the capacity
- Focussing beam
- Degree of protection IP 65
- International Approvals



SEB 8/SEB 8 L as search and work light

SEB 8/SEB 8 L

A search and working light

This explosion-protected portable search-light has been developed in accordance with the new fire brigade standard DIN 14 642 in order to comply with the requirements for control and rescue operations of the police and the fire brigade. The electronics of the lamp are reliably protected against electromagnetic fields (EMC). They are in accordance with the ATEX-Directive 94/9/EG. Special for operations where a constant luminosity is required the prism filter will give you a quadratic working light with a uniform, widespread luminous intensity distribution and that with no major loss. Slip-on coloured filters extend the range of

functions for the SEB 8 such as safeguarding and giving signals.

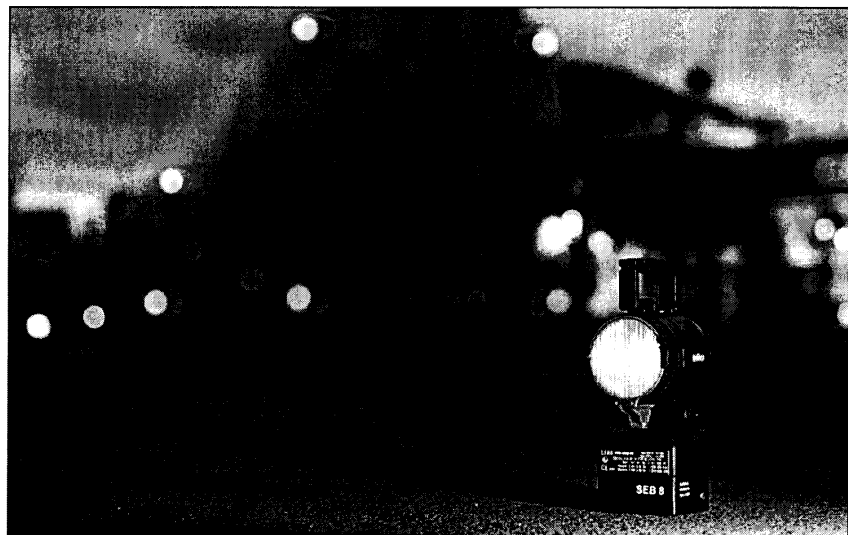
SEB 8 ADR as a warning light according to StVZO and ADR-Directives

For special operations such as a warning and inspection light for the transport of hazardous goods by road the Cooper Crouse-Hinds GmbH has developed the SEB 8 ADR. This version has been certified by the Federal Motor Vehicle Department as a warning and inspection light according to the Road Traffic Regulations and has been issued with an EC-Type Examination Certificate. According to the ATEX-Directive 94/55/EG, this lamp can be used across Europe as a hazard warning and inspection light for the transportation of hazardous good on the road. This is possible due to optimized orange filter and the special switching technology.

Charging possibilities

SEB 8/SEB 8 L/SEB 8 ADR

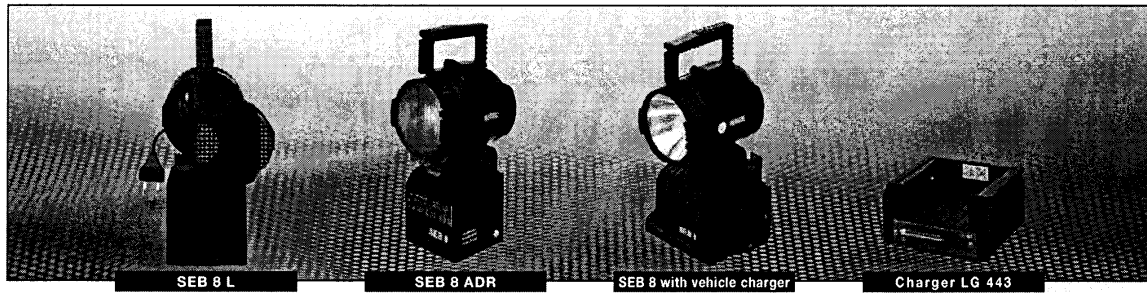
The SEB 8 model can be charged from a motor vehicle battery using the vibration-proof motor vehicle holder (10-33 V) or from the mains supply of the LG 443 charger. The SEB 8 L model features an integrated mains connecting lead by means of which it can be recharged from the 230 V mains supply.



SEB 8 ADR as a warning light in the transportation of hazardous goods on the road

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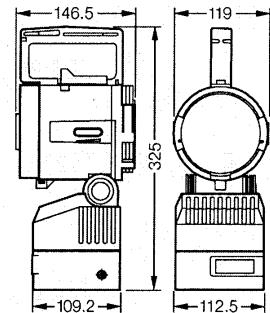


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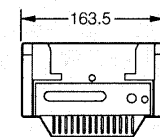
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Technical data	
SEB 8 L/SEB 8/SEB 8 ADR	
Marking to 94/9/EC	Ex II 2 G Ex II 2 D*
Type of protection	EEx e'ib IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 2195
EG-Type approval	
acc. guideline 95/54/EC (EMV in vehicles)	[e1] 023025
Approved design of Federal Office for motor vehicles	VVK K 265
Enclosure material	Polyamide/black
Light aperture	Ø 98 mm mineral glass
Halogen lamp with double bulb	5.5 V/5.5 W
Pilot light-Incandescent lamp	4.8 V/0.3 A
Degree of protection to EN 60529	IP 65
Permissible ambient temperatures	-20 °C to +40 °C, specified data 0 °C to +30 °C (battery)
Battery	NC-battery, rechargeable 4.8 V/7 Ah
Operating time	approx. 5.5 h
Function	<ul style="list-style-type: none"> - Indication of available duration processor controlled - Charge depending on the drawn capacity - Flashlight - Emergency light - Switching for standby light or in case of broken filament - Integrated charger (SEB 8 L)
Weight	SEB 8 L: 2.5 kg SEB 8/SEB 8 ADR: 2.2 kg
Charger LG 443 for SEB 8/SEB 8 L/SEB 8 ADR	
Rated voltage	220-250 V ± 10 %, 50/60 Hz
Motor vehicle charger 90 for SEB 8/SEB 8 L/SEB 8 ADR	
Rated voltage	10-33 V DC
Integrated charger SEB 8 L	
Rated voltage	230 V ± 10 %; 50/60 Hz

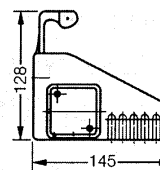
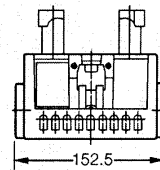
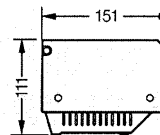
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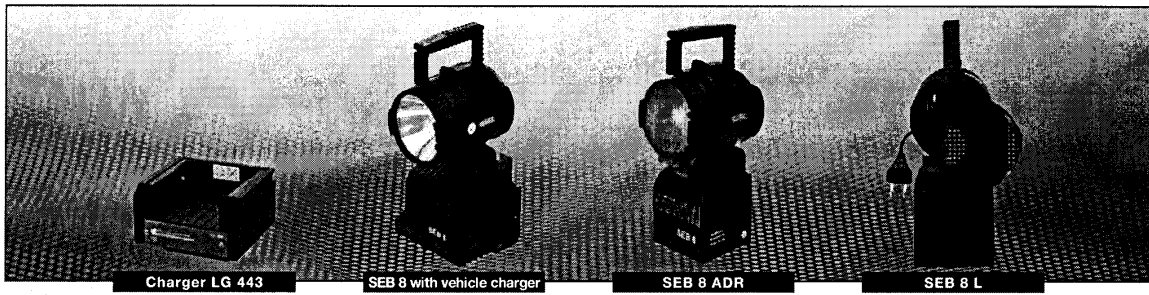
SEB 8/SEB 8L/SEB 8 ADR



LG 443



Motor vehicle charger 90



Charger LG 443

SEB 8 with vehicle charger

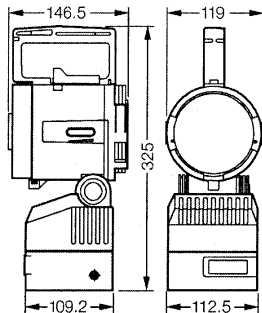
SEB 8 ADR

SEB 8 L

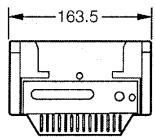
EX - SEARCHLIGHTS

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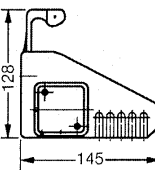
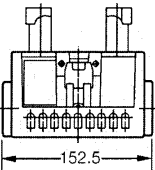
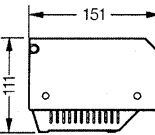
| SEB 8 L | SEB 8 | SEB 8 ADR |



SEB 8/SEB 8L/SEB 8 ADR



LG 443



Motor vehicle charger 90

Ordering details

Type	Scope of delivery	Order No.
SEB 8 L	Including halogen lamp with double bulb, pilot lamp, diffusing lens and battery (rechargeable by means of mains, LG 443 or motor vehicle charger 90)	1 1147 000 001
SEB 8	Including halogen lamp with double bulb, pilot lamp, diffusing lens and battery (rechargeable in LG 443 or motor vehicle charger 90)	1 1147 000 002
SEB 8 ADR	Including halogen lamp with double bulb, pilot lamp, diffusing lens and battery (rechargeable in LG 443 or motor vehicle charger 90)	1 1147 000 200
Charger LG 443		1 1540 000 443
Motor vehicle charger 90		1 1145 000 792
Wall bracket SW	Bracket, without charger	1 1145 000 795

Accessories for portable Ex-lamps see page 1.27