

Intrinsically Safe Handlamp type SHL 300-Ex

The SHL 300-Ex is a robust Handlamp specifically designed for industrial environments and the firefighting services. Certified for use in potentially explosive areas of Zones 20 and 1 or 20 and 21 in accordance with Directive 1999/92/EC (ATEX 137), this Handlamp boasts a number of innovative functions that maximise the use and ease of operation.

The SHL 300-Ex is a completely new type of handheld spotlight certified for Zones 0 and 20. In developing this device, the user was given primary consideration - for ease of carrying and single handed operation whilst providing exceptional high illumination power.

The special design of the SHL 300-Ex means that it is both ergonomic and functional. The handle, the weight distribution ratio, combined with the careful arrangement of switches and displays all go to provide an optimised device.

As a rechargeable LED Handlamp certified for use in Zone 0 / 20, the SHL 300-Ex is truly a unique, world class product that can be easily carried and safely operated in all manner of locations.

Additionally, the SHL 300-Ex is also highly suitable for use by the fire-fighting services as it fulfils the stringent requirements of the fire-fighting equipment standard - DIN 14642 - for explosion-protected Handlamps.

Utilising 3 high-power 3-watt LEDs not only gave rise to the brightest handheld spotlight of its kind, it also achieved an extremely high operational reliability. This is due, in part, to the LEDs having a service life of around 100,000 hours, but also, to the 'intelligent controller' that assures a high illumination power even in the event of single LED failure.



- Zone 0 and 20 certified
- approx. 10000 Lux illumination power – generated by 3 high-power LEDs
- LED service life of approx. 100,000 h
- Robust, anti-static housing – rated to IP 65
- Pivoting head
- Optimum distribution of weight – ergonomic and comfortable to carry
- Battery capacity display – 5 section indicator
- Emergency light function with high brightness
- Flash mode

Standard delivery:

- SHL 300-Ex
- Battery (factory fitted into device)
- Operating instructions

Accessories:

- Set of coloured diffusing filters – white, red, green, yellow and blue.
- Charging station for mains voltage operation
- Charging station for vehicle / car voltage operation
- Carrying strap

Ex-Data:

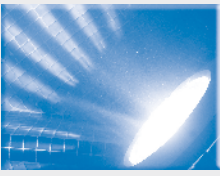
Ex-designation:

Ⓜ II 1G Ex ia IIC T4

Ⓜ II 1D Ex tD A20 IP65 T108°C

EC-Certificate of conformity:

ZELM 06 ATEX 0313 X



You can depend on the SHL 300-Ex in every situation, because along with the spotlight there is also the integrated emergency and flashing light functions and the optional diffusing and coloured filters – which are fitted easily into the pivoting head.

The charging station is also designed for easy use and single handed operation. There are no locking mechanisms to have to deal with – simply insert the SHL 300-Ex into the charging station and it is securely engaged. The charging station – available for either mains or vehicle operation – can be fixed in place both horizontally and vertically.



Technical Data:

Ambient temperature Ta:	-20 ... +50°C
Storage temperature:	-30 ... +60°C
Operating time with charged battery:	(6h @ 100% light output / 12h @ 50% light output)
Dimensions:	approx. 140mm x 190mm x 300mm
Weight:	approx. 2,2kg
Protection rating:	IP65
Solvent resistance:	Acetone
ESD protection:	Anti-static housing
CE designation:	CE 0102
Power supply:	ecom-Ex battery pack 3.7V, 11 Ah, min. 600 charging cycles with over-discharge and short-circuit protection
Lamp:	3 x 3W high-power LEDs