

Intrinsically Safe Handlamp SHL 350-Ex

The SHL 350-Ex is a robust handlamp with LED technology that is designed for industrial and fire-fighting applications in potentially explosive areas in zone 0 and 1, or 20 and 21 in accordance with directive 1999/92/EC (ATEX 137).



All of the important features exhibited by the predecessor model SHL 300-Ex, such as battery life and high light output, have been optimised in the development of the SHL 350-Ex. The design of the SHL 350-Ex combines ergonomics and functionality - all of the switches and displays are arranged in a concentrated manner and are operable with just one hand.

The use of three 3-watt high-power, state of the art LEDs ensures that it is not only the brightest handlamp of its kind, but also that an extremely high level of operational reliability is maintained. This is due to an LED service life of 50,000 hours and the intelligent control system that ensures a high light output even if one of the LEDs fails.

A new feature is the temperature-compensated battery capacity display, which guarantees an accurate reading of the battery charge level at any operating temperature.

In addition, the requirements of the fire-fighting equipment standard (DIN 14642) for explosion-protected handlamps have also been taken into account during development. The SHL 350-Ex is therefore also extremely suitable for use by fire-fighting services.

Emergency lighting and flashing light functions are naturally also integrated in the handlamp. The optional diffusing and coloured filters are fitted within easy reach underneath the pivoting head.

The charging station has also been designed for easy use and single-handed operation. Irrespective of the direction in which the SHL 350-Ex is inserted into the charging station, it engages fully and securely. The handlamp is seated so securely in its charging station that it can theoretically even be mounted upside down.

- Zone 0, 1, 20 and 21 certified
- approx. 10,000 lux at a distance of one metre provided by 3 high-power LEDs
- Flashing mode
- can be dimmed between a brightness level of 25% and 100% (in 25% brightness levels)
- LED service life of approx. 50,000 hrs
- Robust, anti-static housing, IP 65
- Pivoting lamp head
- Optimum weight distribution, thereby ensuring optimum carrying comfort
- Temperature-compensated, 5-part battery capacity display
- Emergency lighting functions with high luminosity

Scope of delivery:

- SHL 350-Ex
- Battery (integrated in the handlamp)
- User manual
- Carrying strap

Accessories:

- Diffusing filters in red, green, yellow, blue and uncoloured, diffused
- Charging station for mains operation
- Charging station for vehicle operation
- Carrying strap

Download area:

- BAL
- Certificate
- Declaration of conformity

Ex-Data:

Ex-designation:

Ⓢ II 1G Ex ia op is IICT4 Ga
 Ⓢ II 1D Ex ia IICT130°C Da
 Baumusterprüfbescheinigung:
 ZELM 12 ATEX 0479 X

The charging stations, which are available as optional accessories, are available for both mains and vehicle operation.

All of the charging stations in the LG-300 series can be used to charge both the SHL 300-Ex and the new SHL 350-EX models!



Technical Data:

| | |
|----------------------|--|
| Ambient temperature: | -20 ... +50 °C |
| Storage temperature: | -30 ... +60 °C |
| Operating time : | approx. 6 hours (battery charged, dimmer set to 100% light output) |
| Dimmer function: | between 25% and 100% light output (can be adjusted in 25% brightness levels) |
| Lamp: | 3 high performance LEDs |
| Light output: | 10,000 lux (at a distance of one metre) |
| Power supply: | ecom-Ex battery pack |
| Dimensions: | approx. 140 mm x 190 mm x 300 mm |
| Weight: | approx. 2.4 kg |
| IP protection class: | IP65 |
| Solvent resistance: | Acetone |
| ESD protection: | Anti-static housing |
| Charging cycles: | min. 300 charging cycles with over-discharge and short-circuit protection |
| CE-designation: | CE 0102 |