

Spotlight type RP-100

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The RP-100 type spotlight is intended for installation in underground mining locomotives, serving as a reflector illuminating the road while driving with a long beam or passing beam.

The RP-100 type spotlight is also intended for use in other devices and machines in underground mining plants. It is particularly suitable for installation on mobile mining machines such as loaders or drill trucks.

The RP-100 type spotlight is intended for use in rooms classified as "a", "b" and "c" levels of methane explosion hazard and class A or B of coal dust explosion hazard.

The RP-100 type spotlight is constructed as a bolted-welded structure. It consists of the following main elements:

- headlamp body,
- headlamp covers,
- headlamp glass with a clamping nut,
- reflector sheet with a reflector with a diameter of Ø96mm.



Spotlight type RP-100	
Light source type	Bulb H4 LED
Supply voltage	12 - 30V DC/AC
The power of the light source	10 - 30 W
Bulb cap type	P43t
Level of security	IP 55
Cable inlet	WK-M22 M22x1,5
Power cord diameter	Ø10 - Ø14 mm
Connection terminals	4 mm ²
Ambient temperature	-10°C ≤ Ta ≤ +40°C
Relative humidity at the temperature of + 40°C	to 95 %
External dimensions	ø110 x 150
Mass	5 kg
WE-type examination certificate	OBAC 16ATEX0035X
Feature of explosion-proof construction	I M2 Ex db Mb I

Certificate::

The RP-100 spotlight meets the essential safety and health protection requirements by meeting the requirements of the following standards: PN-EN 60079-0: 2013; PN-EN 60079-1: 2014.

The RP-100 type spotlight is marked in accordance with the EU-type examination certificate as follows:



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CE 1461