

Technical datasheet

HEA3-S-850-1-90




Product description

Heavy LED light is perfect for heavy industry, with high temperature resistance up to +60°C. Its casing prevents dust from reaching the coolers and a thin film on the lens protects against particles. With an efficiency of up to 164 lm/W, it provides bright and efficient lighting for your production hall. Say goodbye to issues with graphite fracture particles - Heavy LED light is the solution.

LED 220-240V 50-60Hz **IP65**  **CCT 5000 k** **CRI 80+** **CLO** 

Product technical data

Mains voltage 220 - 240V AC, 50/60Hz
Connection method Connection cable
Dimming type Non-dimmable

IP rating 65
Protection class I
Impact rating IK 08
Ambient temperature -25 to +60 °C

Light source LED
Colour temperature 5000k
Color rendering index 80
Rated luminous flux 16,926 lm
Connected load 99.14 W
Luminous efficacy 170.7 lm/W

Ripple 3 %
Inrush current 108 A
Inrush time 322 μs
Optical system Lenses
Optical part material PC
Housing material Aluminium
Surface finish Powder coated

Width 192.00 cm
Height 135.00 cm
Length 320.00 cm
Weight 5.00 kg

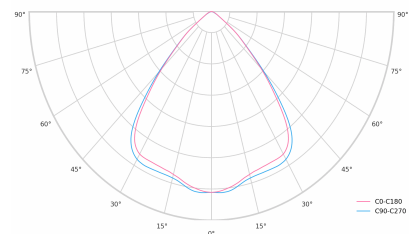
Service lifetime (L80 B10) 75 000 h
Warranty 5 years

Dimensions



L 320 mm
W 192 mm
H 135 mm

Light distribution



Constant Light Output (CLO)

This system compensates for the depreciation of luminous flux to avoid excess lighting at the beginning of the installation's service life. Luminous depreciation over time must be taken into account to ensure a predefined lighting level during the luminaire's useful life.

Without a CLO feature, this simply means increasing the initial power upon installation in order to make up for luminous depreciation. By precisely controlling the luminous flux, the energy needed to reach the required level can be maintained throughout the luminaire's life.



A. Dimming level
B. Time

MidNight function

The MidNight function feature allows an autonomous dimming without the need for an additional control line. The output levels can be set to 0% (OFF) or between 10% and 100% in steps of 1%

Time-based: The dimming profile defined in the reference schedule is referenced to the switch on time of the LED driver.

Astro-based: The dimming profile defined in the reference schedule is referenced to the annual average middle of the night, which is calculated based on the theoretical sunrise and sunset times.



1. Standard lighting level
2. LED lighting consumption with CLO
3. Energy savings