

# Technical datasheet

## HEA3-M-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

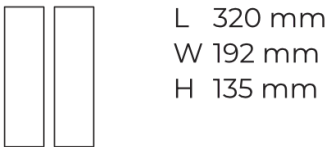
CRI  
80+

CLO

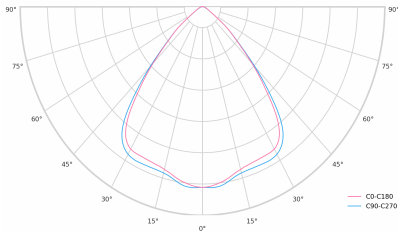
### Product technical data

|                       |                        |                            |               |
|-----------------------|------------------------|----------------------------|---------------|
| Mains voltage         | 220 - 240V AC, 50/60Hz | Ripple                     | 3 %           |
| Connection method     | Connection cable       | Inrush current             | 108 A         |
| Dimming type          | Non-dimmable           | Inrush time                | 322 µs        |
| IP rating             | 65                     | Optical system             | Lenses        |
| Protection class      | I                      | Optical part material      | PC            |
| Impact rating         | IK 08                  | Housing material           | Aluminium     |
| Ambient temperature   | -25 to +60 °C          | Surface finish             | Powder coated |
| Light source          | LED                    | Width                      | 192.00 cm     |
| Colour temperature    | 5000k                  | Height                     | 135.00 cm     |
| Color rendering index | 80                     | Length                     | 320.00 cm     |
| Rated luminous flux   | 21,483 lm              | Weight                     | 5.00 kg       |
| Connected load        | 129.61 W               | Service lifetime (L80 B10) | 75 000 h      |
| Luminous efficacy     | 165.8 lm/W             | Warranty                   | 5 years       |

### Dimensions



### Light distribution



### Constant Light Output (CLO)

This system compensates for the depreciation of luminousflux to avoid excess lightingat the beginningof the installation's service life. Luminous depreciation over time must be taken into account to ensure a predefined lightinglevel duringthe luminaire's usefullife.

Without a CLO feature, this simply means increasingthe initial power upon installationin order tomake 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 switchon 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