Technical datasheet

HEA3-S-850-2-90



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.

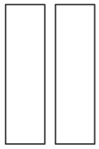
LED | 220-240 V 50-60 Hz | IP65 | CCT 5000 k | CRI 80+ | CLO | MidNight Multi-Step Dimming | DALI 2

Product technical data

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

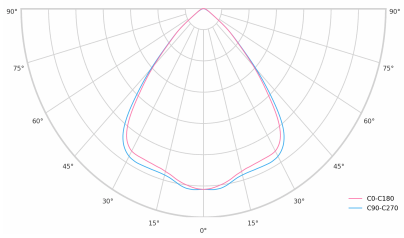
Ripple	3 %
DALI address	1
Standby power	0.50 W
Inrush current	108 A
Inrush time	322 µs
Optical system	Lenses
Optical part material	PC
Housing material	Aluminium
Surface finish	Powder coated
Width	192.00 cm
Height	135.00 cm
Length	320.00 cm
Weight	5.00 kg
Service lifetime (L80 B10)	75 000 h
Warranty	5 years

Dimensions



L 320 mm
W 192 mm
H 135 mm

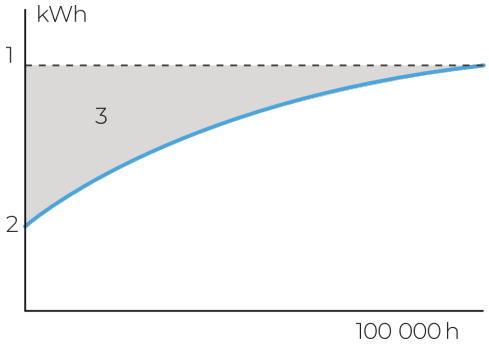
Light distribution



Constant Light Output (CLO)

This system compensates for the depreciation of 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

DALI 2

DALI (Digital Addressable Lighting Interface) is an international standard for digital lighting control systems. It enables individual control of each luminaire in the network using digital signals - unlike traditional analog solutions.

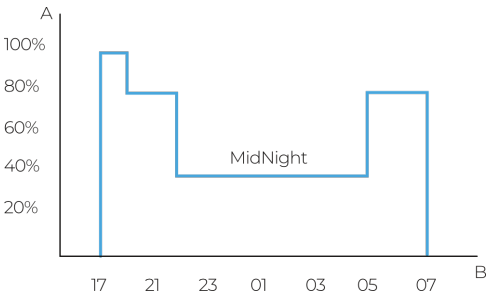
Key DALI2 innovations:
Advanced diagnostic capabilities
Better fault reporting and device status
Enhanced scene programming options
Support for RGB/RGBW and tunable white

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