Technical datasheet

INDSUR3-S-850-2-90



Product description

High-bay led light created with an emphasis on efficiency and easy installation.
Suitable for installation in warehouses and production halls.

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

Product technical data

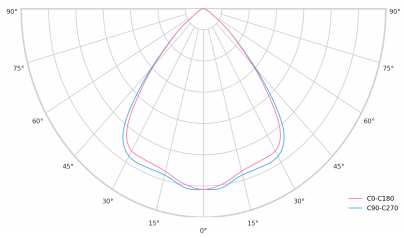
Mains voltage	220 - 240V AC, 50/60Hz
Connection method	Connection cable
Dimming type	DALI
IP rating	65
Protection class	I
Impact rating	IK 08
Ambient temperature	-25 to 30 °C
Light source	LED
Colour temperature	5000k
Color rendering index	80
Rated luminous flux	10,742 lm
Connected load	68.63 W
Luminous efficacy	156.5 lm/W
Ripple	3 %
DALI address	1
Standby power	0.50 W
Inrush current	89 A
Inrush time	584 µs
Optical system	Lenses
Optical part material	PC
Housing material	Aluminium
Surface finish	Powder coated
Width	92.00 cm
Height	100.00 cm
Length	320.00 cm
Weight	3.10 kg
Service lifetime (L80 B10)	>100 000 h
Warranty	7 years

Dimensions



l 320 mm
w 92 mm
h 100 mm

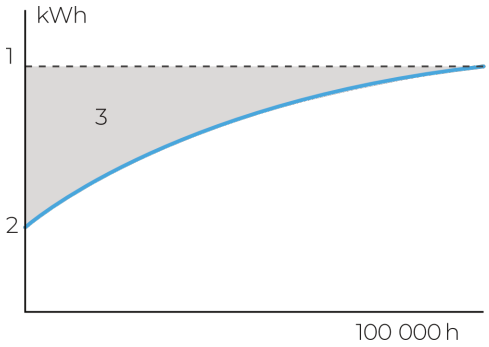
Light distribution



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.

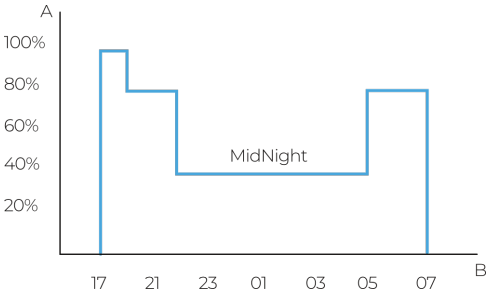
Key DALI2 innovations:
Advanced diagnostic capabilities
Better fault reporting and device status
Enhanced scene programming options
Support for RGB/RGBW and tunable white

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