Technical datasheet

WORSUS-XL-850-2-50-BL-



Product description

Worker suspended is a suspended linear LED luminaire with LED source with 50,000 hours lifetime. Available in 4 power options, color temperatures 3000K/4000K/5000K with CRI 80+/90+. Four light distribution types (50°, 80°, SYM, WAS) with special optics reducing glare and DALI control option available. Wide range of cable colors. Provides comfortable and natural lighting with excellent parameters. Ideal for offices and stores. 5-year warranty.

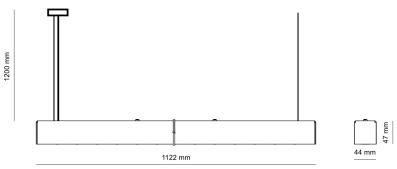
LED | 220-240V 50-60Hz | IP20 | UGR < 19 | CCT 5000 k | CRI 80+ | DIMM Push | CLO | DALI 2

Product technical data

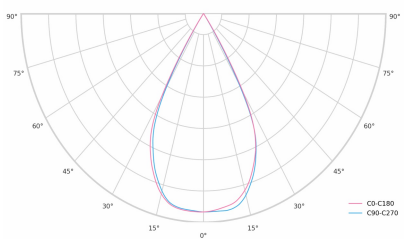
Mains voltage	220 - 240V AC, 50/60Hz
Connection method	Plug-in terminal
Dimming type	DALI
IP rating	20
Protection class	I
Ambient temperature	0 to +25 °C
Light source	LED
Colour temperature	5000k
Color rendering index	80
Rated luminous flux	6,299 lm
Connected load	52.79 W
Luminous efficacy	119.3 lm/W

Ripple	1 %
DALI address	1
Standby power	0.50 W
Inrush current	18 A
Inrush time	180 µs
Optical system	Lenses
Optical part material	PMMA
Housing material	Aluminium
Surface finish	Powder coated
Width	44.00 cm
Height	47.00 cm
Length	1,122.00 cm
Weight	2.80 kg
Service lifetime (L80 B10)	50 000 h
Warranty	5 years

Dimensions



Light distribution



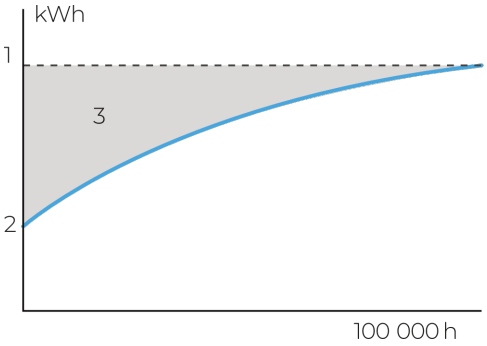
Available cable colors



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