# Technical datasheet

## WORSUS-XL-830-2-50-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.

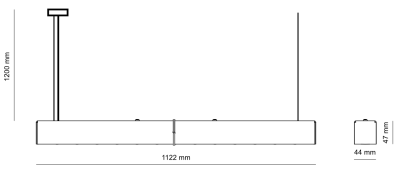
LED | 220-240V 50-60Hz | IP20 | UGR < 19 | CCT 3000 k | CRI 80+ | DIMM Push | CLO | DALI 2

### Product technical data

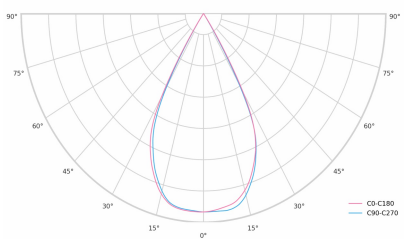
| | |
|---|---|
| Mains voltage | 220 - 240V AC, 50/60Hz |
| Connection method | Plug-in terminal |
| Dimming type | DALI |
| IP rating | 20 |
| Protection class | I |
| Ambient temperature | 0 to +25 °C |
| Light source | LED |
| Colour temperature | 3000k |
| Color rendering index | 80 |
| Rated luminous flux | 5,997 lm |
| Connected load | 52.79 W |
| Luminous efficacy | 113.6 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



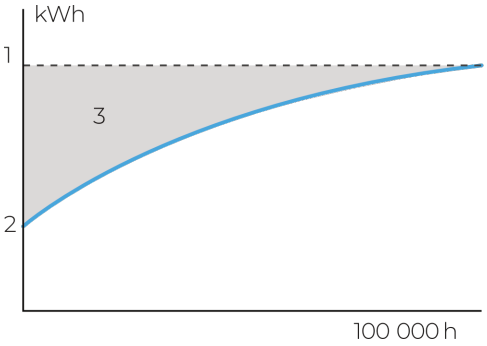
## Available cable colors




## 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