PHILIPS Lighting



Maxos LED

4MX850 491 LED55S/830 PSD A20 SI

Maxos Led Industry, LED Module, system flux 5500 lm, 830 warm white, Power supply unit with DALI interface, Asymmetrical mirror axis angle 20°, Silver

Customers in the industrial and retail sectors are looking for general lighting solutions with a justifiable payback, while meeting all relevant norms for supermarkets and industry applications. For a limited investment, Maxos LED Industry offers best-in-class energy savings while delivering high lux levels at the required color temperatures and glare factors. The minimalistic Maxos LED Industry system comprises exchangeable mid-power LED boards mounted on a standard Maxos trunking rail. A choice of wide and medium-beam lenses means flexibility in light distribution. Compared with a conventional fluorescent installation, this highly efficient LED solution offers full payback in less than three years. And the benefits keep coming: the use of our upgradable LED engine platform makes Maxos LED Industry a truly future-proof solution.

Product data

| General Information | |
|--------------------------|---|
| Lamp family code | LED55S [LED Module, system flux 5500 lm] |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Gear | - |
| Driver included | Yes |
| Remarks | *-Per Lighting Europe guidance paper |
| | "Evaluating performance of LED based |
| | luminaires - January 2018": statistically |
| | there is no relevant difference in lumen |
| | maintenance between B50 and for |

| | example B10. Therefore, the median useful |
|---------------------|---|
| | life (B50) value also represents the B10 |
| | value. |
| Service tag | Yes |
| Product family code | 4MX850 [Maxos Led Industry] |
| Lighting Technology | LED |
| Value ladder | Performance |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | - |
| ENEC mark | ENEC mark |
| | |

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| Glow-wire test | Temperature 650 °C, duration 30 s |
|------------------------------------|------------------------------------|
| EU RoHS compliant | Yes |
| | |
| Light Technical | |
| Luminous Flux | 5,200 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 160 lm/W |
| Color rendering index (CRI) | ≥80 |
| Number of light sources | 1 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 830 warm white |
| Optic type | Asymmetrical mirror axis angle 20° |
| Optical cover type | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread | 20° |
| Unified glare rating CEN | Not applicable |

| Operating | and E | lectrical |
|-----------|-------|-----------|
| operating | and L | |

| Input Voltage | 220-240 V |
|--|------------------------|
| Line Frequency | 50 to 60 Hz |
| Inrush current | 21 A |
| Inrush time | 0.280 ms |
| Power Consumption | 32.5 W |
| Power Factor (Fraction) | 0.97 |
| Connection | Connection unit 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 24 |

Temperature

Ambient temperature range

Controls and Dimming

| Dimmable | Yes |
|-------------------------------|---------------------------------------|
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface | DALI |
| Constant light output | No |

-20 to +35 °C

Mechanical and Housing

| C C | |
|------------------------|-------------------------|
| Housing Material | Steel |
| Reflector material | - |
| Optic material | Polymethyl methacrylate |
| Optical cover material | Polymethyl methacrylate |
| Fixation material | Steel |
| Housing Color | Silver |
| Optical cover finish | Clear |
| Overall length | 1,478 mm |
| | |

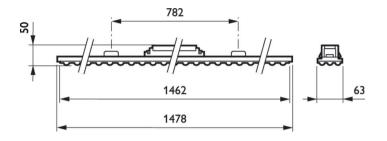
| Overall width | 63 mm |
|---|--|
| Overall height | 50 mm |
| Dimensions (Height x Width x Depth) | 50 x 63 x 1478 mm |
| Annual and Analization | |
| Approval and Application | 1999 /5: |
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Sustainability rating | - |
| Protection class IEC | Safety class I |
| Photobiological risk | Photobiological risk group 0 @200mm to |
| | EN62778 |
| Initial Performance (IEC Compliant) | |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.43, 0.40) SDCM <3.5 |
| Power consumption tolerance | +/-10% |
| | |
| Over Time Performance (IEC Complia | int) |
| Control gear failure rate at median useful | 5 % |
| life 50000 h | |
| Control gear failure rate at median useful | 10 % |
| life 100000 h | |
| Lumen maintenance at median useful life* | L90 |
| 50000 h | |
| Lumen maintenance at median useful life* | L80 |
| 100000 h | |
| Application Conditions | |
| Application Conditions | 25 °C |
| Performance ambient temperature Tq | |
| Maximum dim level Suitable for random switching | 1% |
| Suitable for random switching | Not applicable |
| Product Data | |
| Order product name | 4MX850 491 LED55S/830 PSD A20 SI |
| Full product name | 4MX850 491 LED555/830 PSD A20 SI |
| Full product code | 403073266757499 |
| Order code | 910629160826 |
| Material Nr. (12NC) | 910629160826 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 4030732667574 |
| Numerator - Packs per outer box | 3 |
| | |

4030732266159

EAN/UPC - Case

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Dimensional drawing





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