



Maxos LED

4MX850 581 LED55S/830 PSD DA20 SI

Maxos Led Industry, LED Module, system flux 5500 lm, 830 warm white, Power supply unit with DALI interface, Double asymmetric optic 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 colour 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 | Unit | | |
| Gear | - | | |
| Driver included | Yes | | |
| Remarks | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. | | |
| 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 | | |
| Glow-wire test | Temperature 650 °C, duration 30 s | | |

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|-------------------|-----|
| EU RoHS compliant | Yes |
|-------------------|-----|

Light Technical

| | |
|----------------------------------|------------------------------------|
| Luminous Flux | 5,200 lm |
| Correlated Colour Temperature | 3000 K |
| Luminous efficacy (rated) (nom.) | 160 lm/W |
| Colour rendering index (CRI) | ≥80 |
| Number of light sources | 1 |
| Beam angle of light source | 120 degree(s) |
| Light source colour | 830 warm white |
| Optic type | Double asymmetric optic 20° |
| Optical cover type | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread | 20° |
| Unified Glare Rating (CEN) | Not applicable |

Operating and Electrical

| | |
|--|------------------------|
| 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 | -20 to +35 °C |
|---------------------------|---------------|

Controls and Dimming

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

Mechanical and Housing

| | |
|-----------------------------|-------------------------|
| Housing material | Steel |
| Reflector material | - |
| Optic material | Polymethyl methacrylate |
| Optical cover/lens material | Polymethyl methacrylate |
| Fixation material | Steel |
| Housing Colour | Silver |
| Optical cover/lens finish | Clear |
| Overall length | 1,528 mm |

| | |
|-------------------------------------|-------------------|
| Overall width | 63 mm |
| Overall height | 50 mm |
| Dimensions (height x width x depth) | 50 x 63 x 1528 mm |

Approval and Application

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|------------------------------|--|
| 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)

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|-----------------------------|------------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.43, 0.40) SDCM <3.5 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

| | |
|---|------|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Control gear failure rate at median useful life 100,000 h | 10 % |
| Lumen maintenance at median useful life* 50,000 h | L90 |
| Lumen maintenance at median useful life* 100,000 h | L80 |

Application Conditions

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|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | Not applicable |

Product Data

| | |
|-----------------------------------|-----------------------------------|
| Order product name | 4MX850 581 LED55S/830 PSD DA20 SI |
| Full product name | 4MX850 581 LED55S/830 PSD DA20 SI |
| Full EOC | 403073266267899 |
| Order code | 66267899 |
| Material no. (12 NC) | 910629125426 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 4030732662678 |
| Numerator – packs per outer box | 3 |
| EAN/UPC – Case | 4030732259731 |

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Dimensional drawing

