

Maxos LED

4MX850 491 LED55S/840 PSD DA20 SI

Maxos Led Industry - 1 unit for TL5 49 W - LED Module, system flux 5500 lm - 840 neutral 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 General Lighting offers best-in-class energy savings while delivering high lux levels at the required colour temperatures and glare factors. The minimalistic Maxos LED General Lighting 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 | | | |
|-------------------------------|--|-----------------------------|--|
| Number of light sources | 1 [1 pc] | Optic type | DA20 [Double asymmetric optic 20°] |
| Lamp family code | LED55S [LED Module, system flux 5500 lm] | Optical cover/lens type | PM [PMMA bowl/cover] |
| Beam angle of light source | 120 ° | Luminaire light beam spread | 20° |
| Light source colour | 840 neutral white | Control interface | DALI |
| Cap base | - [-] | Connection | Connection unit 5-pole |
| Light source replaceable | No | Cable | - |
| Number of gear units | 1 unit | Protection class IEC | Safety class I |
| Gear | - | Glow-wire test | Temperature 650 °C, duration 30 s |
| Driver/power unit/transformer | PSD [Power supply unit with DALI interface] | Flammability mark | D [For mounting on easily flammable surfaces] |
| Driver included | Yes | CE mark | CE mark |

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| | |
|---------------------------|---|
| ENEC mark | ENEC mark |
| UL mark | No |
| Warranty period | 5 years |
| 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. |
| Constant light output | No |
| Number of products on MCB | 24 |
| RoHS mark | RoHS mark |
| Product Family Code | 4MX850 [Maxos Led Industry] |
| Unified glare rating CEN | Not applicable |

Operating and Electrical

| | |
|------------------------|----------------|
| Input voltage | 220-240 V |
| Input frequency | 50 to 60 Hz |
| Control signal voltage | 0-16 V DC DALI |
| Inrush current | 21 A |
| Inrush time | 0.280 ms |
| Power factor (min.) | 0.9 |

Controls and Dimming

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|----------|-----|
| Dimmable | Yes |
|----------|-----|

Mechanical and Housing

| | |
|-----------------------------|----------------------------|
| Trunking length | 491 [1 unit for TL5 49 W] |
| Housing material | Steel |
| Reflector material | - |
| Optic material | Polymethyl methacrylate |
| Optical cover/lens material | Polymethyl methacrylate |
| Fixation material | Steel |
| Optical cover/lens finish | Clear |
| Overall length | 1478 mm |
| Overall width | 63 mm |
| Overall height | 50 mm |
| Colour | Silver |

Approval and Application

| | |
|------------------------------|--------------------------|
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |

Initial Performance (IEC Compliant)

| | |
|--------------------------------|------------------------|
| Initial luminous flux | 5500 lm |
| Luminous flux tolerance | +/-10% |
| Initial LED luminaire efficacy | 167 lm/W |
| Init. Corr. colour temperature | 4000 K |
| Init. colour rendering index | ≥80 |
| Initial chromaticity | (0.38, 0.38) SDCM <3.5 |
| Initial input power | 33 W |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

| | |
|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L80 |

Application Conditions

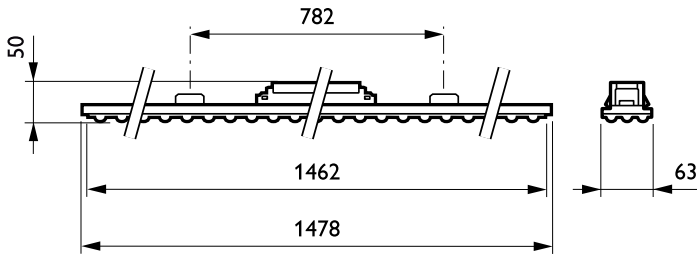
| | |
|------------------------------------|----------------|
| Ambient temperature range | -20 to +35 °C |
| Performance ambient temperature Tq | 25 °C |
| Maximum dimming level | 1% |
| Suitable for random switching | Not applicable |

Product Data

| | |
|---------------------------------|-----------------------------------|
| Full product code | 403073266266199 |
| Order product name | 4MX850 491 LED555/840 PSD DA20 SI |
| EAN/UPC – product | 4030732662661 |
| Order code | 66266199 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 3 |
| Material no. (12NC) | 910629125326 |
| Net weight (piece) | 1.765 kg |

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Dimensional drawing



Maxos LED electr. units 4MX850-883

