

# Maxos LED

## 4MX850 581 LED40S/830 PSD NB WH

Maxos Led Industry, LED module, system flux 4000 lm, 830 warm white, Power supply unit with DALI interface, Narrow beam, White

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** | LED40S [LED module, system flux 4000 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** | - |

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| | |
|---|---|
| **ENEC mark** | ENEC mark |
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **EU RoHS compliant** | Yes |

## Light Technical

| | |
|---|---|
| **Luminous Flux** | 3,800 lm |
| **Correlated Color Temperature (Nom)** | 3000 K |
| **Luminous Efficacy (rated) (Nom)** | 158 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** | Narrow beam |
| **Optical cover type** | Polymethyl methacrylate bowl/cover |
| **Luminaire light beam spread** | 50° |
| **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** | 24 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 material** | Polymethyl methacrylate |
| **Fixation material** | Steel |
| **Housing Color** | White |
| **Optical cover 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

| | |
|---|---|
| **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 Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 5 % |
| **Control gear failure rate at median useful life 100000 h** | 10 % |
| **Lumen maintenance at median useful life* 50000 h** | L90 |
| **Lumen maintenance at median useful life* 100000 h** | L80 |

## Application Conditions

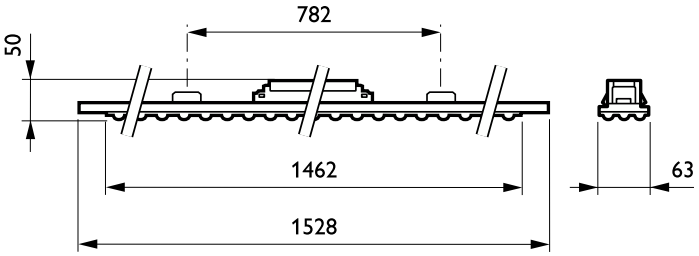
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 1% |
| **Suitable for random switching** | Not applicable |

## Product Data

| | |
|---|---|
| **Order product name** | 4MX850 581 LED40S/830 PSD NB WH |
| **Full product name** | 4MX850 581 LED40S/830 PSD NB WH |
| **Full product code** | 403073266169599 |
| **Order code** | 910629122026 |
| **Material Nr. (12NC)** | 910629122026 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 4030732661695 |
| **Numerator - Packs per outer box** | 3 |
| **EAN/UPC - Case** | 4030732258420 |

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## Dimensional drawing




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