# Maxos LED Performer

## 4MX900 LED90S/840 PSD MB SI L1800

Maxos LED Performer, Generation 3, LED module, system flux 9000 lm, 840 neutral white, Power supply unit with DALI interface, Medium beam, Silver

Customers want to save energy and reduce cost compared to what they are used to with conventional lighting. At the same time, excellent lighting conditions are needed: in industrial environments, to guarantee safety and productivity; and in retail environments, to make the merchandise stand out and attract shoppers. Maxos LED Performer is an extremely flexible solution that delivers low energy consumption and excellent beam shaping at an attractive investment level.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED90S [LED module, system flux 9000 lm] |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **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** | 4MX900 [Maxos LED Performer] |

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

| Light Technical | |
|---|---|
| **Luminous Flux** | 9,000 lm |
| **Saturated Red (R9)** | <50 |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 150 lm/W |
| **Color rendering index (CRI)** | ≥80 |
| **Number of light sources** | 1 |

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| | |
|---|---|
| **Beam angle of light source** | 120 degree(s) |
| **Light source color** | 840 neutral white |
| **Optic type** | Medium beam |
| **Luminaire light beam spread** | 70° |
| **Unified glare rating CEN** | Not applicable |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 25 A |
| **Inrush time** | 0.230 ms |
| **Power Consumption** | 60.1 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Connection unit 5-pole |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 20 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | -20 to +40 °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** | Aluminum |
| **Reflector material** | - |
| **Optic material** | Polymethyl methacrylate |
| **Optical cover material** | Polymethyl methacrylate |
| **Fixation material** | Steel |
| **Housing Color** | Silver |
| **Optical cover finish** | Clear |
| **Overall length** | 1,800 mm |
| **Overall width** | 87 mm |
| **Overall height** | 82 mm |
| **Dimensions (Height x Width x Depth)** | 82 x 87 x 1800 mm |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP40 [Wire-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** | (0.38, 0.38) 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** | 4MX900 LED90S/840 PSD MB SI L1800 |
| **Full product name** | 4MX900 LED90S/840 PSD MB SI L1800 |
| **Full product code** | 403073266453599 |
| **Order code** | 66453599 |
| **Material Nr. (12NC)** | 910629138126 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 4030732664535 |
| **Numerator - Packs per outer box** | 2 |
| **EAN/UPC - Case** | 4030732262359 |

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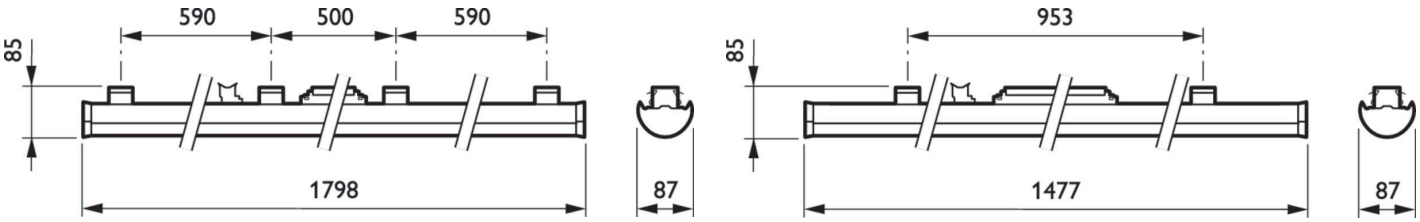
## Dimensional drawing

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