



Maxos LED Performer

4MX900 LED90S/840 PSD WB WH L1800

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

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 | | | |
|-------------------------------|--|--|---|
| Number of light sources | 1 [1 pc] | Glow-wire test | 650/30 [Temperature 650 °C, duration 30 s] |
| Lamp family code | LED90S [LED module, system flux 9000 lm] | Flammability mark | NO [-] |
| Beam angle of light source | 120 ° | CE mark | CE mark |
| Light source color | 840 neutral white | ENEC mark | ENEC mark |
| Light source replaceable | No | Warranty period | 5 years |
| Number of gear units | 1 unit | 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. |
| Driver/power unit/transformer | PSD [Power supply unit with DALI interface] | Constant light output | No |
| Driver included | Yes | Number of products on MCB of 16 A type B | 18 |
| Optic type | WB [Wide beam] | EU RoHS compliant | Yes |
| Luminaire light beam spread | 90° | | |
| Emergency lighting | No [-] | | |
| Control interface | DALI | | |
| Connection | CU5 [Connection unit 5-pole] | | |
| Cable | - | | |
| Protection class IEC | Safety class I (I) | | |

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|--------------------------|-------------------------------|
| Service tag | Yes |
| Product family code | 4MX900 [Maxos LED Performer] |
| Unified glare rating CEN | Not applicable |

Operating and Electrical

| | |
|------------------------|----------------|
| Input Voltage | 220 to 240 V |
| Input Frequency | 50 to 60 Hz |
| Control signal voltage | 0-16 V DC DALI |
| Inrush current | 4.5 A |
| Inrush time | 0.065 ms |
| Power Factor (Min) | 0.9 |

Controls and Dimming

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

Mechanical and Housing

| | |
|-------------------------------------|---|
| Trunking length | No [-] |
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | Polymethyl methacrylate |
| Optical cover/lens material | Polymethyl methacrylate |
| Fixation material | Steel |
| Optical cover/lens finish | Clear |
| Overall length | 1800 mm |
| Overall width | 87 mm |
| Overall height | 82 mm |
| Color | White |
| Dimensions (Height x Width x Depth) | 82 x 87 x 1800 mm (3.2 x 3.4 x 70.9 in) |

Approval and Application

| | |
|------------------------------|------------------------|
| Ingress protection code | IP40 [Wire-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |

Initial Performance (IEC Compliant)

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|-------------------------------------|---------|
| Initial luminous flux (system flux) | 9000 lm |
|-------------------------------------|---------|

| | |
|--------------------------------|------------------------|
| Luminous flux tolerance | +/-10% |
| Initial LED luminaire efficacy | 134 lm/W |
| Init. Corr. Color Temperature | 4000 K |
| Init. Color Rendering Index | ≥80 |
| Initial chromaticity | (0.38, 0.38) SDCM <3.5 |
| Initial input power | 67 W |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

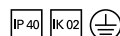
| | |
|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L80 |

Application Conditions

| | |
|------------------------------------|----------------|
| Ambient temperature range | -20 to +40 °C |
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | Not applicable |

Product Data

| | |
|---------------------------------|-----------------------------------|
| Full product code | 403073266460399 |
| Order product name | 4MX900 LED90S/840 PSD WB WH L1800 |
| EAN/UPC - Product | 4030732664603 |
| Order code | 66460399 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 2 |
| Material Nr. (12NC) | 910629138826 |
| Net Weight (Piece) | 2.900 kg |



Dimensional drawing

590

500

590

953

Maxos LED Performer 4MX900-933

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