



# Maxos LED Performer

## 4MX900 491 LED40S/840 PSD WB WH

Maxos LED Performer, Trunking light panel, 25.2 W, L1479 mm, 4000 lm, 4000 K, DALI, Wide beam, Clear, White, IP40

Trunking light panel, L1479 mm, Aluminum, White, Power supply unit with DALI interface, 4000 lm, 25.2 W, 158 lm/W, 4000 K, (0.38, 0.38) SDCM <3.5, Wide beam, Clear, Polymethyl methacrylate, IP40 | Wire-protected, IK02 | 0.2 J standard, Safety class I, Connection unit 5-pole

### Product data

| General Information                |  | Optic type                               |                        |
|------------------------------------|--|--|------------------------|
| Lamp family code                   | LED40S [LED module, system flux 4000 lm] | Luminaire light beam spread              | 90°                    |
| Light source replaceable           | No                                       | Unified glare rating CEN                 | Not applicable         |
| Number of gear units               | 1 unit                                   | Operating and Electrical                 |                        |
| Driver included                    | Yes                                      | Input Voltage                            | 220 to 240 V           |
| Service tag                        | Yes                                      | Line Frequency                           | 50 to 60 Hz            |
| Lighting Technology                | LED                                      | Inrush current                           | 21 A                   |
| Value ladder                       | Performance                              | Inrush time                              | 0.192 ms               |
| Warranty period                    | 5 years                                  | Power Consumption                        | 25.2 W                 |
| Light Technical                    |  | Power Factor (Fraction)                  | 0.9                    |
| Luminous Flux                      | 4,000 lm                                 | Connection                               | Connection unit 5-pole |
| Saturated Red (R9)                 | <50                                      | Cable                                    | -                      |
| Correlated Color Temperature (Nom) | 4000 K                                   | Number of products on MCB of 16 A type B | 29                     |
| Luminous Efficacy (rated) (Nom)    | 158 lm/W                                 | Suitable for random switching            | Not applicable         |
| Color rendering index (CRI)        | >80                                      | Protection class IEC                     | Safety class I         |
| Number of light sources            | 1  | Total harmonic distortion                | 20 %                   |
| Beam angle of light source         | 120 degree(s)                            |  |                        |
| Light source color                 | 840 neutral white                        |  |                        |

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| Controls and Dimming          |                                       |
|-------------------------------|---------------------------------------|
| Dimmable                      | Yes                                   |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface             | DALI                                  |
| Constant light output         | No                                    |
| DALI Standard                 | DALI-2™                               |
| Maximum dim level             | 1%                                    |

| Mechanical and Housing              |                         |
|-------------------------------------|-------------------------|
| Housing Material                    | Aluminum                |
| Reflector material                  | -                       |
| Optic material                      | Polymethyl methacrylate |
| Optical cover material              | Polymethyl methacrylate |
| Fixation material                   | Steel                   |
| Housing Color                       | White                   |
| Optical cover finish                | Clear                   |
| Overall length                      | 1,479 mm                |
| Overall width                       | 87 mm                   |
| Overall height                      | 82 mm                   |
| Dimensions (Height x Width x Depth) | 82 x 87 x 1479 mm       |
| Ingress protection code             | IP40 [Wire-protected]   |
| Mech. impact protection code        | IK02 [0.2 J standard]   |
| Net Weight (Piece)                  | 2.500 kg                |

| Approval and Application           |  |
|------------------------------------|--|
| Glow-wire test                     | Temperature 650 °C, duration 30 s  |
| Flammability mark                  | -  |
| CE mark                            | Yes  |
| ENEC mark                          | ENEC mark  |
| Photobiological risk               | Photobiological risk group 0 @200mm to EN62778   |
| EU RoHS compliant                  | Yes  |
| Performance ambient temperature Tq | 25 °C  |
| 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. |
| Ambient temperature range          | -20 to +40 °C  |

| Initial Performance (IEC Compliant)                    |                        |
|--|------------------------|
| Luminous flux tolerance                                | +/-10%                 |
| Initial chromaticity                                   | (0.38, 0.38) SDCM <3.5 |
| Power consumption tolerance                            | +/-10%                 |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤4                 |

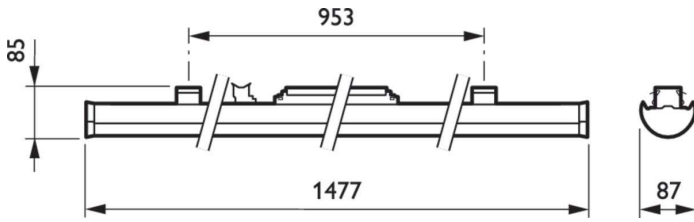
| Over Time Performance (IEC Compliant)                                    |      |
|--|------|
| Control gear failure rate at median useful life 50000 h                  | 5 %  |
| Control gear failure rate at median useful life 100000 h                 | 10 % |
| Lumen maintenance (EN-IEC 62722-2-1) L90 at median useful life* 50000 h  |      |
| Lumen maintenance (EN-IEC 62722-2-1) L80 at median useful life* 100000 h |      |

| Sustainability Data                                  |   |
|--|---|
| Sustainability rating                                | Unclassified  |
| Repair class   | Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time. |
| Embedded carbon (A1-A3)                              | 54.7 kg CO <sub>2e</sub>  |
| Product non-virgin material ratio                    | 7.26 %  |
| Recyclable content ratio of the finished product     | 45.9 %  |
| GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit   | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kWh)   |
| GWP total B6 (kg CO <sub>2eq</sub> ) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kWh)   |

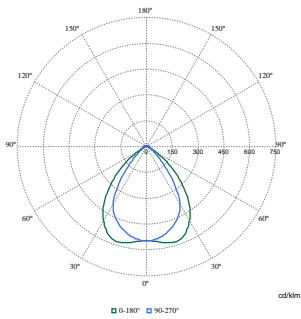
| Product Data                    |                                 |
|---------------------------------|---------------------------------|
| Order product name              | 4MX900 491 LED40S/840 PSD WB WH |
| Full product name               | 4MX900 491 LED40S/840 PSD WB WH |
| Full product code               | 403073266624999                 |
| Order code                      | 910629144426                    |
| Material Nr. (12NC)             | 910629144426                    |
| Numerator - Quantity Per Pack   | 1                               |
| EAN/UPC - Product/Case          | 4030732666249                   |
| Numerator - Packs per outer box | 2                               |
| EAN/UPC - Case                  | 4030732264414                   |
| Product family code             | 4MX900 [Maxos LED Performer]    |

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 4MX9001 - 910629144426

