



Maxos LED

4MX850 491 LED55S/840 PSU NB WH

Maxos Led Industry, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit (On/Off), 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 colour 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 | LED55S [LED Module, system flux 5500 lm] | | useful life (B50) value also represents the B10 value. |
| Cap base | - [-] | Product family code | 4MX850 [Maxos Led Industry] |
| Light source replaceable | No | Lighting Technology | LED |
| Number of gear units | Unit | Value ladder | Performance |
| Gear | - | CE mark | Yes |
| Driver included | Yes | Warranty period | 5 years |
| Remarks | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median | Flammability mark | - |
| | | ENEC mark | ENEC mark |
| | | Glow-wire test | Temperature 650 °C, duration 30 s |
| | | EU RoHS compliant | Yes |

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| Light Technical | |
| Luminous Flux | 5,500 lm |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 167 lm/W |
| Colour rendering index (CRI) | ≥80 |
| Beam angle of light source | 120 degree(s) |
| Light source colour | 840 neutral white |
| Optic type | Narrow beam |
| Optical cover type | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread | 50° |
| Unified Glare Rating (CEN) | Not applicable |

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| Operating and Electrical | |
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 17.8 A |
| Inrush time | 0.282 ms |
| Power Consumption | 33 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Connection unit 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 24 |

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| Temperature | |
| Ambient temperature range | -20 to +35 °C |

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| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |

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| Mechanical and Housing | |
| Housing material | Steel |
| Reflector material | - |
| Optic material | Polymethyl methacrylate |
| Optical cover/lens material | Polymethyl methacrylate |
| Fixation material | Steel |
| Housing Colour | White |

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|-------------------------------------|-------------------|
| Optical cover/lens finish | Clear |
| Overall length | 1,478 mm |
| Overall width | 63 mm |
| Overall height | 50 mm |
| Dimensions (height x width x depth) | 50 x 63 x 1478 mm |

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| Approval and Application | |
| Ingress protection code | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Protection class IEC | Safety class I |

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| Initial Performance (IEC Compliant) | |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38, 0.38) SDCM <3.5 |
| Power consumption tolerance | +/-10% |

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| Over Time Performance (IEC Compliant) | |
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h | L80 |

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| Application Conditions | |
| Performance ambient temperature Tq | 25 °C |
| Suitable for random switching | Not applicable |

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|-----------------------------------|---------------------------------|
| Product Data | |
| Order product name | 4MX850 491 LED55S/840 PSU NB WH |
| Full product name | 4MX850 491 LED55S/840 PSU NB WH |
| Full EOC | 403073266521199 |
| Order code | 66521199 |
| Material no. (12 NC) | 910629150226 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 4030732665211 |
| Numerator – packs per outer box | 3 |
| EAN/UPC - Case | 4030732263349 |

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Dimensional drawing

