



# Maxos LED

## 4MX850 491 LED55S/840 PSD DA35 WH

Maxos Led Industry, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, Double asymmetric optic 35°, 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         | LED55S [LED Module, system flux 5500 lm]  |
| Cap-Base                 | - [-]   |
| Light source replaceable | No  |
| CE mark                  | Yes   |
| 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. |
| Flammability mark   | -  |
| Glow-wire test      | Temperature 650 °C, duration 30 s  |
| Warranty period     | 5 years  |
| Service tag         | Yes  |
| Product family code | 4MX850 [Maxos Led Industry]  |
| Lighting Technology | LED  |

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|                   |             |
|-------------------|-------------|
| ENEC mark         | ENEC mark   |
| EU RoHS compliant | Yes         |
| Value ladder      | Performance |

## Application Conditions

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

## Light Technical

|                                    |                                    |
|------------------------------------|------------------------------------|
| Luminous Flux                      | 5,500 lumen                        |
| Correlated Color Temperature (Nom) | 4000 K                             |
| Luminous Efficacy (rated) (Nom)    | 169 lm/W                           |
| Color rendering index (CRI)        | ≥80                                |
| Number of light sources            | 1                                  |
| Beam angle of light source         | 120 degree(s)                      |
| Light source color                 | 840 neutral white                  |
| Optic type                         | Double asymmetric optic 35°        |
| Optical cover/lens type            | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread        | 36°                                |
| Unified glare rating CEN           | Not applicable                     |

## Operating and Electrical

|  |                        |
|--|------------------------|
| Line Frequency                           | 50 to 60 Hz            |
| Input Voltage                            | 220-240 V              |
| Inrush current                           | 21 A                   |
| Inrush time                              | 0.280 ms               |
| Power Consumption                        | 32.5 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/lens material         | Polymethyl methacrylate |
| Fixation material                   | Steel                   |
| Housing Color                       | White                   |
| 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       |

## 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)

|                             |                        |
|-----------------------------|------------------------|
| Initial chromaticity        | (0.38, 0.38) SDCM <3.5 |
| Luminous flux tolerance     | +/-10%                 |
| 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  |

## Product Data

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Full product code               | 403073267179399                   |
| Order product name              | 4MX850 491 LED55S/840 PSD DA35 WH |
| Order code                      | 910629165926                      |
| Numerator - Quantity Per Pack   | 1                                 |
| Numerator - Packs per outer box | 3                                 |
| Material Nr. (12NC)             | 910629165926                      |
| Full product name               | 4MX850 491 LED55S/840 PSD DA35 WH |
| EAN/UPC - Case                  | 4030732272259                     |

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### Dimensional drawing

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