PHILIPS Lighting



Maxos LED

4MX883 491 LED55S/840 PSU NB WH

MAXOS LED EM 3H3S, Generation 4, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit (On/Off), Narrow beam, Connection unit 5-pole, 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 |
| 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. |
| Product family code | 4MX883 [MAXOS LED EM 3H3S] |
| 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 |
| | |

Maxos LED

Power Consumption

Connection

Temperature

Dimmable

Ambient temperature range

Controls and Dimming

Constant light output

Housing Material

Reflector material

Optic material Optical cover material

Driver/power unit/transformer

Mechanical and Housing

Cable

в

Power Factor (Fraction)

Number of products on MCB of 16 A type 24

| EU RoHS compliant | Yes |
|------------------------------------|------------------------------------|
| | |
| Light Technical | |
| Luminous Flux | 5,500 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 149 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 | Narrow beam |
| Optical cover type | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread | 50° |
| Unified glare rating CEN | Not applicable |
| | |
| Operating and Electrical | |
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 17.8 A |
| Inrush time | 0.282 ms |

37 W 0.9

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Connection unit 5-pole

-20 to +35 °C

Power supply unit (On/Off)

Polymethyl methacrylate

Polymethyl methacrylate

No

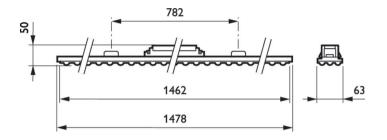
No

Steel

| Fixation material | Steel |
|---|--|
| Housing Color | White |
| Optical cover 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] |
| Protection class IEC | Safety class I |
| | |
| Initial Performance (IEC Compliant) | |
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38, 0.38) SDCM <3.5 |
| B | +/-10% |
| Power consumption tolerance | |
| Power consumption tolerance | |
| Over Time Performance (IEC Compli | ant) |
| · | |
| Over Time Performance (IEC Compli | |
| Over Time Performance (IEC Compli Control gear failure rate at median useful | |
| Over Time Performance (IEC Compli Control gear failure rate at median useful life 50000 h | 5% |
| Over Time Performance (IEC Compli Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful | 5% |
| Over Time Performance (IEC Compli Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful | 5% |
| Over Time Performance (IEC Compli Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h | 5% |
| Over Time Performance (IEC Compli Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions | 5 % L80 |
| Over Time Performance (IEC Compli Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq | 5 % L80 25 ℃ |
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| Over Time Performance (IEC Compli Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching | 5 % L80 25 ℃ |
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Maxos LED

Dimensional drawing





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