PHILIPS Lighting



Maxos LED

4MX850 491 LED40S/830 PSU DA20 SI

Maxos Led Industry, LED module, system flux 4000 lm, 830 warm white, Power supply unit (On/Off), Double asymmetric optic 20°, Silver

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 | LED40S [LED module, system flux 4000 lm] |
| Cap base | - [-] |
| Light source replaceable | No |
| Number of gear units | Unit |
| Gear | - |
| Driver included | Yes |
| 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 |
| | useful life (B50) value also represents the B10 |
| | value. |
| Product family code | 4MX850 [Maxos Led Industry] |
| Lighting Technology | LED |
| Value ladder | Performance |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | - |
| ENEC mark | ENEC mark |
| | |

Maxos LED

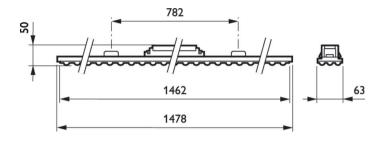
| Glow-wire test | Temperature 650 °C, duration 30 s |
|--|------------------------------------|
| EU RoHS compliant | Yes |
| | |
| Light Technical | |
| Luminous Flux | 4,000 lm |
| Correlated Colour Temperature | 3000 K |
| Luminous efficacy (rated) (nom.) | 148 lm/W |
| Colour rendering index (CRI) | ≥80 |
| Beam angle of light source | 120 degree(s) |
| Light source colour | 830 warm white |
| Optic type | Double asymmetric optic 20° |
| Optical cover type | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread | 20° |
| 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 |
| Power Consumption | 27 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Connection unit 3-pole |
| Cable | - |
| Number of products on MCB of 16 A type | e 24 |
| В | |
| | |
| Temperature | |
| Ambient temperature range | -20 to +35 ℃ |
| | |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |
| | |
| Mechanical and Housing | |

| Housing material | Steel |
|-----------------------------|-------------------------|
| Reflector material | - |
| Optic material | Polymethyl methacrylate |
| Optical cover/lens material | Polymethyl methacrylate |

| Housing ColourSilverOptical cover/lens finishClearOverall length1.478 mmOverall height50 mmOverall height50 mmDimensions (height x width x depth)50 x 63 x 1478 mmApproval and ApplicationIP20 [Finger-protected]Ingress protection codeIP20 [Finger-protected]Protection class IECSafety class IInitial Performance (IEC Compliant)Initial chromaticityLuminous flux tolerance+/-10%Over Time Performance (IEC Compliant)Over Time Performance (IEC Compliant)Control gear failure rate at median useful5 %Life 50,000 hIffe 50,000 hApplication ConditionsIS0Performance ambient temperature Tq25 °CSuitable for random switchingNot applicableProduct Data4MX850 491 LED405/830 PSU DA20 SIFull product name4MX850 491 LED405/830 PSU DA20 SIFull EOC40307326656299Order code6656299Material no. (12 NC)910629154526SAP numerator – quantity per pack1EAN/UPC – Product/Case4030732665662 | | |
|--|---|--|
| Optical cover/lens finishClearOverall length1.478 mmOverall width63 mmOverall width50 mmDimensions (height x width x depth)50 x 63 x 1478 mmApproval and ApplicationIP20 [Finger-protected]Ingress protection codeIP20 [Finger-protected]Mech. impact protection codeIK02 [0.2 J standard]Protection class IECSafety class IInitial Performance (IEC Compliant)Imitial chromaticityLuminous flux tolerance+/-10%Initial chromaticity(0.43, 0.40) SDCM <3.5 | Fixation material | Steel |
| Overall length1.478 mmOverall width63 mmOverall height50 mmDimensions (height x width x depth)50 x 63 x 1478 mmApproval and ApplicationIrress protection codeIngress protection codeIP20 [Finger-protected]Mech. impact protection codeIK02 [0.2 J standard]Protection class IECSafety class IInitial Performance (IEC Compliant)Irress protection codeInitial chromaticity(0.43, 0.40) SDCM <3.5 | Housing Colour | Silver |
| Overall width 63 mm Overall height 50 mm Dimensions (height x width x depth) 50 x 63 x 1478 mm Approval and Application IP20 [Finger-protected] Ingress protection code IP20 [C.2. J standard] Protection class IEC Safety class I Initial Performance (IEC Compliant) Initial chromaticity Luminous flux tolerance +/-10% Initial chromaticity (0.43, 0.40) SDCM <3.5 | Optical cover/lens finish | Clear |
| Overall height 50 mm Dimensions (height x width x depth) 50 x 63 x 1478 mm Approval and Application IP20 [Finger-protected] Ingress protection code IP20 [2.2 J standard] Protection class IEC Safety class I Initial Performance (IEC Compliant) Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% Initial chromaticity (0.43, 0.40) SDCM <3.5 | Overall length | 1,478 mm |
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| Over Time Performance (IEC Compliant) Control gear failure rate at median useful 5 % life 50,000 h Lumen maintenance at median useful L80 life* 50,000 h Application Conditions Performance ambient temperature Tq 25 °C Suitable for random switching Not applicable Product Data MX850 491 LED405/830 PSU DA20 SI Full product name 4MX850 491 LED405/830 PSU DA20 SI Full product name 403073266566299 Order code 66566299 Material no. (12 NC) 910629154526 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 4030732665662 Numerator – packs per outer box 3 | Initial chromaticity | (0.43, 0.40) SDCM <3.5 |
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Maxos LED

Dimensional drawing





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