Maxos LED

4MX883 491 LED55S/840 PSD WB WH ELB3C-2R

MAXOS LED EM 3H3S, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, White, Connector with 2 additional wires for light regulation

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]
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.
Service tag	Yes
Product family code	4MX883 [MAXOS LED EM 3H3S]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years

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Flammability mark	–
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	5,500 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150 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	Wide beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	90°
Unified glare rating CEN	Not applicable

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	– W
Average CLO power consumption	– W
Inrush current	21 A
Inrush time	0.280 ms
Power Consumption	36.5 W
Power Factor (Fraction)	0.97
Connection	Connector with 2 additional wires for light regulation
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 material	Polymethyl methacrylate
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]
Sustainability rating	–
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

Initial Performance (IEC Compliant)

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

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 35000 h	–
Lumen maintenance at median useful life* 50000 h	L80
Lumen maintenance at median useful life* 75000 h	–
Lumen maintenance at median useful life* 100000 h	–

Application Conditions

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

Product Data

Order product name	4MX883 491 LED55S/840 PSD WB WH ELB3C-2R
Full product name	4MX883 491 LED55S/840 PSD WB WH ELB3C-2R
Full product code	871869697539899
Order code	910500460268
Material Nr. (12NC)	910500460268
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696975398
Numerator – Packs per outer box	3
EAN/UPC – Case	8718696975596

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Dimensional drawing

www.lighting.philips.com

2024, March 17 – data subject to change