



Maxos LED

4MX850 491 LED55S/830 PSD WB WH

4MX850 | Maxos Led Industry, LED55S | LED Module, system flux 5500 lm, 830 warm white, Power supply unit with DALI interface, Wide beam, White

Trunking light panel, L1478 mm, Steel, White, Power supply unit with DALI interface, 5500 lm, 32.5 W, 169 lm/W, 3000 K, (0.43, 0.40) SDCM <3.5, Wide beam, Clear, Polymethyl methacrylate, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class I, Connection unit 5-pole

Product data

General Information		Light source color	
Lamp family code	LED55S [LED Module, system flux 5500 lm]	Light source color	830 warm white
Light source replaceable	No	Optic type	Wide beam
Number of gear units	1 unit	Luminaire light beam spread	90°
Gear	-	Unified glare rating CEN	Not applicable
Driver included	Yes	Operating and Electrical	
Service tag	Yes	Input Voltage	220-240 V
Lighting Technology	LED	Line Frequency	50 to 60 Hz
Value ladder	Performance	Inrush current	21 A
Warranty period	5 years	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	24
		type B	
		Suitable for random switching	Not applicable
		Protection class IEC	Safety class I
Light Technical			
Luminous Flux	5,500 lm		
Correlated Color Temperature (Nom)	3000 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)		

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Total harmonic distortion	7 %
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%

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
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Optical cover type	Polymethyl methacrylate bowl/cover
Net Weight (Piece)	1.700 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 °C
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.
Ambient temperature range	-20 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <3.5

Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤4

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 (EN-IEC 62722-2-1) L90 at median useful life* 50000 h	
Lumen maintenance (EN-IEC 62722-2-1) L80 at median useful life* 100000 h	

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	25.6 kg CO _{2e}
Product non-virgin material ratio	25.9 %
Recyclable content ratio of the finished product	50.3 %
GWP total B6 (kg CO _{2eq}) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kWh)
GWP total B6 (kg CO _{2eq}) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kWh)

Product Data

Order product name	4MX850 491 LED55S/830 PSD WB WH
Full product name	4MX850 491 LED55S/830 PSD WB WH
Full product code	403073266119099
Order code	66119099
Material Nr. (12NC)	910629120226
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732661190
Numerator - Packs per outer box	3
EAN/UPC - Case	4030732256716
Product family code	4MX850 [Maxos Led Industry]

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Dimensional drawing

