



# Maxos LED

## 4MX850 491 LED40S/830 PSD A20 SI

4MX850 | Maxos Led Industry, LED40S | LED module, system flux 4000 lm, 830 warm white, Power supply unit with DALI interface, Asymmetrical mirror axis angle 20°, Silver

Trunking light panel, L1478 mm, Steel, Silver, Power supply unit with DALI interface, 4000 lm, 24 W, 166 lm/W, 3000 K, (0.43, 0.40) SDCM <3.5, Asymmetrical mirror axis angle 20°, Clear, Polymethyl methacrylate, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class I, Connection unit 5-pole

### Product data

General Information	
Lamp family code	LED40S [LED module, system flux 4000 lm]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years
Light Technical	
Luminous Flux	4,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	166 lm/W
Color rendering index (CRI)	>80
Number of light sources	1
Beam angle of light source	120 degree(s)

Light source color	830 warm white
Optic type	Asymmetrical mirror axis angle 20°
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	21 A
Inrush time	0.280 ms
Power Consumption	24 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	Not applicable
Protection class IEC	Safety class I

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

## 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 <sub>2e</sub>
Product non-virgin material ratio	25.9 %
Recyclable content ratio of the finished product	50.3 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kWh)
GWP total B6 (kg CO <sub>2eq</sub> ) 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 <sub>2eq</sub> / kWh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

## Product Data

Order product name	4MX850 491 LED40S/830 PSD A20 SI
Full product name	4MX850 491 LED40S/830 PSD A20 SI
Full product code	403073266760499
Order code	910629161126
Material Nr. (12NC)	910629161126
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732667604
Numerator - Packs per outer box	3
EAN/UPC - Case	4030732266180
Product family code	4MX850 [Maxos Led Industry]

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### Dimensional drawing

