PHILIPS Lighting



Maxos LED

4MX850 491 LED80S/840 PSD-CLO DA20 WH

Maxos Led Industry, Generation 4, LED Module, system flux 8000 lm, 840 neutral white, Power supply unit with DALI interface and constant light output, Double asymmetric optic 20°, Constant light output, 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	LED80S [LED Module, system flux 8000 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	4MX850 [Maxos Led Industry]
Lighting Technology	LED
Value ladder	Performance
Embedded control	Constant light output
CE mark	Yes
Warranty period	5 years

Maxos LED

Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	8,000 lm
Correlated Color Temperature (Nom)	4000 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	840 neutral 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

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

Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L90
50000 h	
Lumen maintenance at median useful life*	L80
100000 h	

Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Not applicable

Product Data

Order product name	4MX850 491 LED80S/840 PSD-CLO DA20
	WH
Full product name	4MX850 491 LED80S/840 PSD-CLO DA20
	WH
Full product code	871869688203099
Order code	910500460023
Material Nr. (12NC)	910500460023
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696882030
Numerator - Packs per outer box	3
EAN/UPC - Case	8718696882047

Average CLO power consumption	50.4 W
Inrush current	21 A
Inrush time	0.280 ms
Power Consumption	48 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type E	3 24
Temperature	
Ambient temperature range	-20 to +35 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface and
	constant light output
Control interface	DALI
Constant light output	Yes

44.8 W

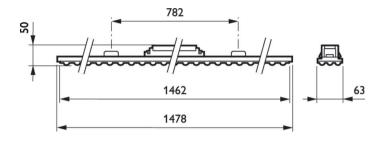
Mechanical and Housing

Initial CLO power consumption

Housing Material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White

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Dimensional drawing





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