PHILIPS Lighting



Maxos LED

4MX850 491 LED80S/840 PSD VWB WH

Maxos Led Industry, Generation 3, LED Module, system flux 8000 lm, 840 neutral white, Power supply unit with DALI interface, Very wide beam, 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
CE mark	Yes
Warranty period	5 years
Flammability mark	-

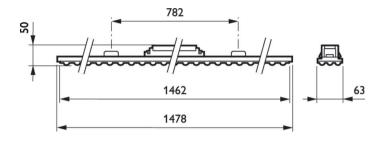
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ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	8,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	166 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Very wide beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	130°
Unified glare rating CEN	Not applicable
ennes Bare ranny CEN	
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	48 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
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
	1
Mechanical and Housing	
Mechanical and Housing Housing Material	Steel
	Steel
Housing Material	
Housing Material Reflector material	-
Housing Material Reflector material Optic material	- Polymethyl methacrylate
Housing Material Reflector material Optic material Optical cover material	- Polymethyl methacrylate Polymethyl methacrylate

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
	50 x 05 x 1476 11111
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%
	., 10.0
Over Time Performance (IEC Complia	nt)
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	
Analisation Conditions	
Application Conditions	25 °C
Performance ambient temperature Tq	
Maximum dim level	1%
Suitable for random switching	Not applicable
Product Data	
Order product name	4MX850 491 LED80S/840 PSD VWB WH
Full product name	4MX850 491 LED80S/840 PSD VWB WH
Full product code	871869688251199
Order code	910500460049
Material Nr. (12NC)	910500460049
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696882511
Numerator - Packs per outer box	3
EAN/UPC - Case	8718696882535

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Dimensional drawing





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