PHILIPS Lighting



Maxos LED

4MX850 581 LED80S/840 PSD WB WH

Maxos Led Industry, Generation 4, LED Module, system flux 8000 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, 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 colour 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	Unit
Gear	-
Driver included	Yes
Remarks	*- According to the Lighting Europe
	guidance paper 'Evaluating performance of
	LED based luminaires – January 2018':
	statistically there is no relevant difference

	in lumen maintenance between the B50
	and, for example, the B10. Therefore, the
	median useful life (B50) value also
	represents the B10 value.
Product family code	4MX850 [Maxos Led Industry]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark

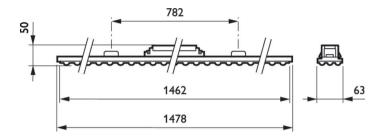
Maxos LED

Glow-wire test	Temperature 650 °C, duration 30 s	_
EU RoHS compliant	Yes	_
		_
Light Technical		_
Luminous Flux	8,000 lm	_
Correlated Colour Temperature	4000 K	_
Luminous efficacy (rated) (nom.)	166 lm/W	_
Colour rendering index (CRI)	≥80	
Beam angle of light source	120 degree(s)	
Light source colour	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	_
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	_
Constant upit output		_
Mechanical and Housing		-
	Steel	_
Housing material		_
Reflector material	- Dolumothyl mothacrulato	_
Optic material	Polymethyl methacrylate	_
Optical cover/lens material	Polymethyl methacrylate	_
Fixation material	Steel	_
Housing Colour	White	_
Optical cover/lens finish Overall length	Clear 1,528 mm	_

Overall width	63 mm
Overall height	50 mm
Dimensions (height x width x depth)	50 x 63 x 1528 mm
Approval and Application	
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%
	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	nt)
Control gear failure rate at median useful	5 %
life 50,000 h	
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful life*	L90
50,000 h	250
Lumen maintenance at median useful life*	L80
100,000 h	200
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Not applicable
Product Data	
Order product name	4MX850 581 LED80S/840 PSD WB WH
Full product name	4MX850 581 LED80S/840 PSD WB WH
Full EOC	871869687643599
Order code	87643599
Material no. (12 NC)	910500457965
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696876435
Numerator – packs per outer box	3

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Dimensional drawing





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