PHILIPS Lighting



Maxos LED

4MX850 491 LED40S/840 PSD NB WH

Maxos Led Industry, Generation 4, LED module, system flux 4000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow 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	LED40S [LED module, system flux 4000
	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	4,000 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	Narrow beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	50°
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

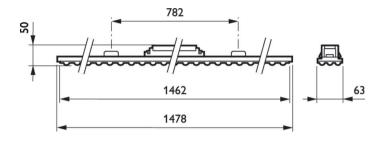
inrush time	0.280 ms	Control get
Power Consumption	24 W	life 100000
Power Factor (Fraction)	0.97	Lumen mai
Connection	Connection unit 5-pole	50000 h
Cable	-	Lumen mai
Number of products on MCB of 16 A type B	24	100000 h
Temperature		Applicatio
Ambient temperature range	-20 to +35 °C	Performance
		Maximum o
Controls and Dimming		Suitable fo
Dimmable	Yes	
D: /		Product D

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
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
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%
Over Time Performance (IEC Complia	nt)
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Not applicable
Product Data	
Order product name	4MX850 491 LED40S/840 PSD NB WH
Full product name	4MX850 491 LED40S/840 PSD NB WH
Full product code	403073266166499
Order code	910629121726
Material Nr. (12NC)	910629121726
Numerator - Quantity Per Pack	1
	4030732661664
EAN/UPC - Product/Case	
Numerator - Packs per outer box	3

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Dimensional drawing





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