PHILIPS Lighting



Maxos LED

4MX850 491 LED40S/830 PSU NB WH

Maxos Led Industry, LED module, system flux 4000 lm, 830 warm white, Power supply unit (On/Off), 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 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 LED40S [LED module, system flux 40]	
Cap base	- [-]
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 B	
	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	
Glow-wire test	Temperature 650 °C, duration 30 s	
EU RoHS compliant	Yes	

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Light Technical	
Luminous Flux	4,000 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	148 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
Optic type	Narrow beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	50°
Unified Glare Rating (CEN)	Not applicable

220-240 V 50 to 60 Hz

17.8 A

0.9

-

0.282 ms 27 W

Connection unit 3-pole

Optical cover/lens 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

IP20 [Finger-protected]	
IK02 [0.2 J standard]	
Safety class I	
	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)			
Luminous flux tolerance +/-10%			
Initial chromaticity	(0.43, 0.40) SDCM <3.5		
Power consumption tolerance	+/-10%		

Power consumption tolerance	+/-10%
Over Time Performance (IEC Comp	liant)

Control gear failure rate at median useful	5 %
life 50,000 h	
Lumen maintenance at median useful	L80
life* 50,000 h	

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable

Product Data

Order product name	4MX850 491 LED40S/830 PSU NB WH
Full product name	4MX850 491 LED40S/830 PSU NB WH
Full EOC	403073266536599
Order code	66536599
Material no. (12 NC)	910629151726
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	4030732665365
Numerator – packs per outer box	3
EAN/UPC - Case	4030732263493

Cable			

Operating and Electrical

Input Voltage

Line Frequency

Inrush current

Power Consumption
Power Factor (Fraction)

Inrush time

Connection

Number of products on MCB of 16 A type 24

в

Temperature		
Ambient temperature range	-20 to +35 °C	

Controls and Dimming

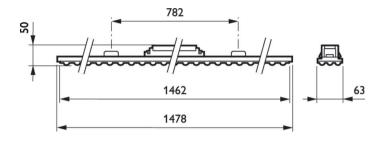
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	White

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Dimensional drawing





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