PHILIPS Lighting



Maxos LED

4MX850 491 LED55S/840 PSU A20 WH

Maxos Led Industry, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit (On/Off), Asymmetrical mirror axis angle 20°, 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	LED55S [LED Module, system flux 5500 lm]
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 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

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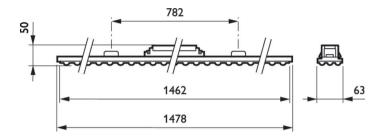
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	5,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	167 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	840 neutral white
Optic type	Asymmetrical mirror axis angle 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
Inrush current	17.8 A
Inrush time	0.282 ms
Power Consumption	33 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	-
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	

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

Fixation material	Steel
Housing Colour	White
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
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Approval and Application	1000 (5)
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I
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 Comp Control gear failure rate at median usefu	
Control gear failure rate at median usefu life 50,000 h Lumen maintenance at median useful	
Control gear failure rate at median usefu life 50,000 h	l 5%
Control gear failure rate at median usefu life 50,000 h Lumen maintenance at median useful life* 50,000 h	l 5%
Control gear failure rate at median usefu life 50,000 h Lumen maintenance at median useful life* 50,000 h Application Conditions	L80
Control gear failure rate at median usefu life 50,000 h Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq	L80 25 °C
Control gear failure rate at median usefu life 50,000 h Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Suitable for random switching	L80 25 °C
Control gear failure rate at median usefu life 50,000 h Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data	L80 25 °C Not applicable
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Control gear failure rate at median useful life 50,000 h Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full EOC	L80 L80 25 °C Not applicable 4MX850 491 LED555/840 PSU A20 WH 4MX850 491 LED555/840 PSU A20 WH 403073266763599
Control gear failure rate at median useful life 50,000 h Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full EOC Order code	L80 25 °C Not applicable 4MX850 491 LED555/840 PSU A20 WH 4MX850 491 LED555/840 PSU A20 WH 403073266763599 66763599
Control gear failure rate at median usefu life 50,000 h Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC)	L 5 % L80 25 °C Not applicable 4MX850 491 LED555/840 PSU A20 WH 4MX850 491 LED555/840 PSU A20 WH 403073266763599 66763599 910629161426
Control gear failure rate at median useful life 50,000 h Lumen maintenance at median useful life* 50,000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack	L 5 % L80 25 °C Not applicable 4MX850 491 LED555/840 PSU A20 WH 4MX850 491 LED555/840 PSU A20 WH 403073266763599 66763599 910629161426 1

Maxos LED

Dimensional drawing





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