PHILIPS Lighting



Maxos LED

4MX850 491 LED55S/840 PSU WB SI

Maxos Led Industry, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit (On/Off), Wide beam, Silver

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	LED55S [LED Module, system flux 5500 lm]
Cap-Base	- [-]
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.
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	5,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	167 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	Wide beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	90°
Unified glare rating CEN	Not applicable

Housing Color	Silver
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]
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 Compl	
Over Time Performance (IEC Compl Control gear failure rate at median useful life 50000 h	
Control gear failure rate at median useful	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h	. 5%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful	. 5%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	L80
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	25 °C
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching	25 °C
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Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name	L80 L80 25 °C Not applicable 4MX850 491 LED555/840 PSU WB SI
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name	L80 L80 25 °C Not applicable 4MX850 491 LED555/840 PSU WB SI 4MX850 491 LED555/840 PSU WB SI
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code	L80 L80 25 °C Not applicable 4MX850 491 LED555/840 PSU WB SI 4MX850 491 LED555/840 PSU WB SI 403073266531099
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code	L80 L80 25 ℃ Not applicable 4MX850 491 LED555/840 PSU WB SI 4MX850 491 LED555/840 PSU WB SI 403073266531099 910629151226
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	L80 L80 25 °C Not applicable 4MX850 491 LED555/840 PSU WB SI 4MX850 491 LED555/840 PSU WB SI 403073266531099 910629151226 910629151226
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	L80 L80 25 °C Not applicable 4MX850 491 LED555/840 PSU WB SI 4MX850 491 LED555/840 PSU WB SI 403073266531099 910629151226 910629151226 1

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	

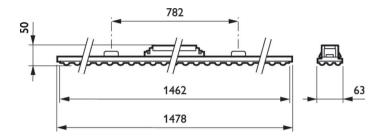
Ambient temperature range	-20 to +35 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Housing Material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel

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Dimensional drawing





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