# **PHILIPS** Lighting



# **Maxos LED**

# 4MX850 491 LED55S/830 PSD A20 WH

Maxos Led Industry, LED Module, system flux 5500 lm, 830 warm white, Power supply unit with DALI interface, 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]
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
Glow-wire test	Temperature 650 °C, duration 30 s

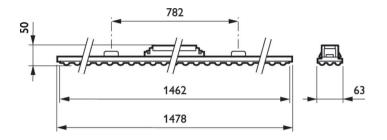
## **Maxos LED**

Ell DollS compliant	Vec
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	5,200 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	160 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
	Asymmetrical mirror axis angle 20°
Optic type	
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	
Unified Glare Rating (CEN)	Not applicable
Operating and Electrical	
Operating and Electrical	220.240.V
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.280 ms
Power Consumption	32.5 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
Mechanical and Housing	
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
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	(0.43, 0.40) SDCM <3.5
Power consumption tolerance	+/-10%
	nt)
Over Time Performance (IEC Complia	
Control gear failure rate at median useful	5 %
life 50,000 h	
Control gear failure rate at median useful	10 %
life 100,000 h	100
Lumen maintenance at median useful life*	L90
50,000 h	120
Lumen maintenance at median useful life* 100,000 h	L80
100,000 11	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable
Product Data	
Troduct Data	
Order product name	4MX850 491 LED55S/830 PSD A20 WH
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Order product name	
Order product name Full product name	4MX850 491 LED555/830 PSD A20 WH
Order product name Full product name Full EOC	4MX850 491 LED555/830 PSD A20 WH 403073266756799
Order product name Full product name Full EOC Order code	4MX850 491 LED555/830 PSD A20 WH 403073266756799 66756799
Order product name Full product name Full EOC Order code Material no. (12 NC)	4MX850 491 LED555/830 PSD A20 WH 403073266756799 66756799 910629160726
Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack	4MX850 491 LED555/830 PSD A20 WH 403073266756799 66756799 910629160726 1

### **Maxos LED**

#### Dimensional drawing





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