# **PHILIPS** Lighting



# **Maxos LED**

# 4MX850 491 LED66S/830 PSD DA20 WH

Maxos Led Industry, LED module, system flux 6600 lm, 830 warm white, Power supply unit with DALI interface, Double asymmetric optic 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 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	LED66S [LED module, system flux 6600 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	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s

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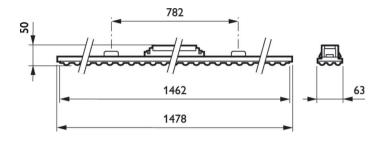
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	6,300 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	161 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
ight source color	830 warm white
Optic type	Double asymmetric optic 20°
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	20°
Jnified glare rating CEN	Not applicable
Operating and Electrical	
nput Voltage	220-240 V
ine Frequency	50 to 60 Hz
nrush current	21 A
nrush time	0.280 ms
ower Consumption	39 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	24
<b>Femperature</b>	
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

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	(0.43, 0.40) SDCM <3.5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	100
Lumen maintenance at median useful life*	L90
50000 h Lumen maintenance at median useful life*	190
100000 h	180
10000011	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable
Product Data	
Order product name	4MX850 491 LED66S/830 PSD DA20 WH
Full product name	4MX850 491 LED66S/830 PSD DA20 WH
Full product code	403073266692899
Order code	910629160026
	910629160026
Material Nr. (12NC)	
Material Nr. (12NC) Numerator - Ouantity Per Pack	1
Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	
Numerator - Quantity Per Pack	1

### **Maxos LED**

#### Dimensional drawing





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