# **PHILIPS** Lighting



# Maxos LED

# 4MX850 491 LED66S/840 PSD DA20 WH C-2R

Maxos Led Industry, LED module, system flux 6600 lm, 840 neutral white, Power supply unit with DALI interface, Double asymmetric optic 20°, White, Connector with 2 additional wires for light regulation

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

## **Maxos LED**

Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	6,600 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	169 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	Double asymmetric optic 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	21 A
Inrush time	0.280 ms
Power Consumption	39 W
Power Factor (Fraction)	0.97
Connection	Connector with 2 additional wires for light
	regulation
Cable	-
Number of products on MCB of 16 A type B	24

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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	(0.38, 0.38) SDCM <3.5		
Power consumption tolerance	+/-10%		
Over Time Performance (IEC Complia	int)		
Control gear failure rate at median useful	5 %		
life 50000 h			
Control gear failure rate at median useful	10 %		
life 100000 h			
Lumen maintenance at median useful life*	L90		
50000 h			
Lumen maintenance at median useful life*	L80		
100000 h			
Application Conditions			
Performance ambient temperature Tq	25 ℃		
Maximum dim level	1%		
Suitable for random switching	Not applicable		
Product Data			
Order product name	4MX850 491 LED66S/840 PSD DA20 WH		
	C-2R		
Full product name	4MX850 491 LED66S/840 PSD DA20 WH		
	C-2R		
Full product code	871869697428599		
Order code	910500460216		
Material Nr. (12NC)	910500460216		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	8718696974285		
	3		
Numerator - Packs per outer box			

1,478 mm

Overall length

N	ım	her	of	nro

Temperature

Housing Color

Optical cover finish

Ambient temperature range

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 material	Polymethyl methacrylate
Fixation material	Steel

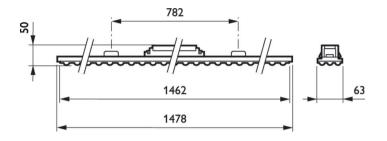
White

Clear

-20 to +35 °C

### **Maxos LED**

#### Dimensional drawing





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