# **PHILIPS** Lighting



# **Maxos LED**

# 4MX866 491 LED66S/840 PSU NB WH

MAXOS LED EM 1H6S, Generation 4, LED module, system flux 6600 lm, 840 neutral white, Power supply unit (On/Off), Narrow beam, Connection unit 5-pole, 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]
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	4MX866 [MAXOS LED EM 1H6S]	
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**

EU RoHS compliant	Yes	Fixation material
		Housing Color
Light Technical		Optical cover finish
Luminous Flux	6,600 lm	Overall length
Correlated Color Temperature (Nom)	4000 K	Overall width
Luminous Efficacy (rated) (Nom)	147 lm/W	Overall height
Color rendering index (CRI)	≥80	Dimensions (Heigh
Number of light sources	1	
Beam angle of light source	120 degree(s)	Approval and A
Light source color	840 neutral white	Ingress protection
Optic type	Narrow beam	Mech. impact prote
Optical cover type	Polymethyl methacrylate bowl/cover	Protection class IE
Luminaire light beam spread	50°	
Unified glare rating CEN	Not applicable	Initial Performa
		Luminous flux tole
Operating and Electrical		Initial chromaticity
Input Voltage	220-240 V	Power consumptio
Line Frequency	50 to 60 Hz	
Inrush current	17.8 A	Over Time Perfo
Inrush time	0.282 ms	Control gear failur
Power Consumption	45 W	life 50000 h
Power Factor (Fraction)	0.9	Lumen maintenand
Connection	Connection unit 5-pole	life* 50000 h
Cable	-	
Number of products on MCB of 16 A type	24	Application Con
В		Performance ambi
		Suitable for rando
Temperature		
Ambient temperature range	-20 to +35 ℃	Product Data
		Order product nam
Controls and Dimming		Full product name
Dimmable	No	Full product code
Driver/power unit/transformer	Power supply unit (On/Off)	Order code
Constant light output	No	Material Nr. (12NC)
		Numerator - Quan
Mechanical and Housing		EAN/UPC - Produc
Housing Material	Steel	Numerator - Packs

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Polymethyl methacrylate

Polymethyl methacrylate

T ixation material	Steet
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]
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	iant)
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful	L80
life* 50000 h	
life* 50000 h Application Conditions	
Application Conditions	25 °C
Application Conditions Performance ambient temperature Tq	25 °C Not applicable
Application Conditions	
Application Conditions Performance ambient temperature Tq	
Application Conditions Performance ambient temperature Tq Suitable for random switching	
Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data	Not applicable
Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name	Not applicable 4MX866 491 LED66S/840 PSU NB WH
Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name	Not applicable 4MX866 491 LED66S/840 PSU NB WH 4MX866 491 LED66S/840 PSU NB WH
Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code	Not applicable 4MX866 491 LED665/840 PSU NB WH 4MX866 491 LED665/840 PSU NB WH 871869697445299
Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code	Not applicable 4MX866 491 LED665/840 PSU NB WH 4MX866 491 LED665/840 PSU NB WH 871869697445299 910500460233
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)	Not applicable 4MX866 491 LED665/840 PSU NB WH 4MX866 491 LED665/840 PSU NB WH 871869697445299 910500460233 910500460233
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	Not applicable 4MX866 491 LED665/840 PSU NB WH 4MX866 491 LED665/840 PSU NB WH 871869697445299 910500460233 910500460233 1

Steel

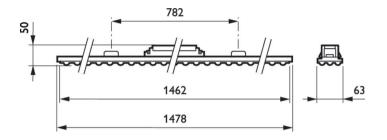
Reflector material

Optical cover material

Optic material

### **Maxos LED**

#### Dimensional drawing





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