# **PHILIPS** Lighting



# Maxos LED

# 4MX883 491 LED66S/840 PSD NB WH ELB3C-2R

MAXOS LED EM 3H3S, LED module, system flux 6600 lm, 840 neutral white, Power supply unit with DALI interface, Narrow beam, 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	4MX883 [MAXOS LED EM 3H3S]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-

# **Maxos LED**

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)	153 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	Narrow beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	50°
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	43 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	24
В	

-20 to +35 °C

### Temperature

Ambient temperature range

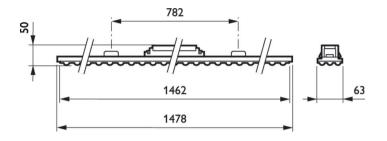
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Steel
Reflector material	_
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate

	Steel
Fixation material	
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
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Power consumption tolerance	+/-10%
Over Time Derfermense (IEC Compli	
Over Time Performance (IEC Complia	
Control gear failure rate at median useful	
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life*	5 %
Control gear failure rate at median useful life 50000 h	5 %
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 life* 50000 h Application Conditions	5 % 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	5 % L80 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 Maximum dim level	5 % L80 25 °C 1%
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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 Maximum dim level Suitable for random switching	5 % L80 25 °C 1% Not applicable
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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 Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code	5 % L80 25 °C 1% Not applicable 4MX883 491 LED665/840 PSD NB WH ELB3C-2R 4MX883 491 LED665/840 PSD NB WH ELB3C-2R 871869697541199 910500460270
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	5 % L80 L80 25 °C 1% Not applicable 4MX883 491 LED665/840 PSD NB WHELB3C-2R 4MX883 491 LED665/840 PSD NB WHELB3C-2R 871869697541199 910500460270 910500460270
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	5 % L80 25 °C 1% Not applicable 4MX883 491 LED665/840 PSD NB WHELB3C-2R 4MX883 491 LED665/840 PSD NB WHELB3C-2R 871869697541199 910500460270 910500460270 1
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## **Maxos LED**

#### Dimensional drawing





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