Maxos LED

4MX866 491 LED55S/840 PSD NB WH C-2R

MAXOS LED EM 1H6S, LED Module, system flux 5500 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	LED55S [LED Module, system flux 5500 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.
Service tag	Yes
Product family code	4MX866 [MAXOS LED EM 1H6S]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years

Maxos LED

Flammability mark	–		**Optic material**	Polymethyl methacrylate
ENEC mark	ENEC mark		**Optical cover material**	Polymethyl methacrylate
Glow-wire test	Temperature 650 °C, duration 30 s		**Fixation material**	Steel
EU RoHS compliant	Yes		**Housing Color**	White
			Optical cover finish	Clear
Light Technical			**Overall length**	1,478 mm
Luminous Flux	5,500 lm		**Overall width**	63 mm
Correlated Color Temperature (Nom)	4000 K		**Overall height**	50 mm
Luminous Efficacy (rated) (Nom)	149 lm/W		**Dimensions (Height x Width x Depth)**	50 x 63 x 1478 mm
Color rendering index (CRI)	≥80			
Number of light sources	1		**Approval and Application**	
Beam angle of light source	120 degree(s)		**Ingress protection code**	IP20 [Finger-protected]
Light source color	840 neutral white		**Mech. impact protection code**	IK02 [0.2 J standard]
Optic type	Narrow beam		**Protection class IEC**	Safety class I
Optical cover type	Polymethyl methacrylate bowl/cover			
Luminaire light beam spread	50°		**Initial Performance (IEC Compliant)**	
Unified glare rating CEN	Not applicable		**Luminous flux tolerance**	+/-10%
			Initial chromaticity	(0.38, 0.38) SDCM <3.5
Operating and Electrical			**Power consumption tolerance**	+/-10%
Input Voltage	220-240 V			
Line Frequency	50 to 60 Hz		**Over Time Performance (IEC Compliant)**	
Inrush current	21 A		**Control gear failure rate at median useful life 50000 h**	5 %
Inrush time	0.280 ms			
Power Consumption	37 W		**Lumen maintenance at median useful life* 50000 h**	L80
Power Factor (Fraction)	0.9			
Connection	Connector with 2 additional wires for light regulation		**Application Conditions**	
Cable	–		**Performance ambient temperature Tq**	25 °C
Number of products on MCB of 16 A type B	24		**Maximum dim level**	1%
			Suitable for random switching	Not applicable
Temperature				
Ambient temperature range	–20 to +35 °C		**Product Data**	
			Order product name	4MX866 491 LED55S/840 PSD NB WH C-2R
Controls and Dimming			**Full product name**	4MX866 491 LED55S/840 PSD NB WH C-2R
Dimmable	Yes		**Full product code**	871869697481099
Driver/power unit/transformer	Power supply unit with DALI interface		**Order code**	910500460238
Control interface	DALI		**Material Nr. (12NC)**	910500460238
Constant light output	No		**Numerator – Quantity Per Pack**	1
			EAN/UPC – Product/Case	8718696974810
Mechanical and Housing			**Numerator – Packs per outer box**	3
Housing Material	Steel		**EAN/UPC – Case**	8718696975091
Reflector material	–			

Maxos LED

Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change