Maxos LED

4MX850 581 LED55S/830 PSU DA20 WH

Maxos Led Industry, LED Module, system flux 5500 lm, 830 warm white, Power supply unit (On/Off), 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	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

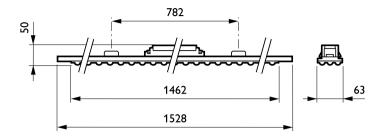|	
	maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Product family code	4MX850 [Maxos Led Industry]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	–
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s

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EU RoHS compliant	Yes		**Fixation material**	Steel
			Housing Color	White
Light Technical			**Optical cover finish**	Clear
Luminous Flux	5,500 lm		**Overall length**	1,528 mm
Correlated Color Temperature (Nom)	3000 K		**Overall width**	63 mm
Luminous Efficacy (rated) (Nom)	157 lm/W		**Overall height**	50 mm
Color rendering index (CRI)	≥80		**Dimensions (Height x Width x Depth)**	50 x 63 x 1528 mm
Number of light sources	1			
Beam angle of light source	120 degree(s)		**Approval and Application**	
Light source color	830 warm white		**Ingress protection code**	IP20 [Finger-protected]
Optic type	Double asymmetric optic 20°		**Mech. impact protection code**	IK02 [0.2 J standard]
Optical cover type	Polymethyl methacrylate bowl/cover		**Protection class IEC**	Safety class I
Luminaire light beam spread	20°			
Unified glare rating CEN	Not applicable		**Initial Performance (IEC Compliant)**	
			Luminous flux tolerance	+/-10%
Operating and Electrical			**Initial chromaticity**	(0.43, 0.40) SDCM <3.5
Input Voltage	220-240 V		**Power consumption tolerance**	+/-10%
Line Frequency	50 to 60 Hz			
Inrush current	17.8 A		**Over Time Performance (IEC Compliant)**	
Inrush time	0.282 ms		**Control gear failure rate at median useful life 50000 h**	5 %
Power Consumption	35 W			
Power Factor (Fraction)	0.9		**Lumen maintenance at median useful life* 50000 h**	L80
Connection	Connection unit 3-pole			
Cable	–			
Number of products on MCB of 16 A type B	24		**Application Conditions**	
			Performance ambient temperature Tq	25 °C
Temperature			**Suitable for random switching**	Not applicable
Ambient temperature range	–20 to +35 °C			
			Product Data	
Controls and Dimming			**Order product name**	4MX850 581 LED55S/830 PSU DA20 WH
Dimmable	No		**Full product name**	4MX850 581 LED55S/830 PSU DA20 WH
Driver/power unit/transformer	Power supply unit (On/Off)		**Full product code**	403073266556399
Constant light output	No		**Order code**	66556399
			Material Nr. (12NC)	910629153526
Mechanical and Housing			**Numerator – Quantity Per Pack**	1
Housing Material	Steel		**EAN/UPC – Product/Case**	4030732665563
Reflector material	–		**Numerator – Packs per outer box**	3
Optic material	Polymethyl methacrylate		**EAN/UPC – Case**	4030732263714
Optical cover material	Polymethyl methacrylate			

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Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change