

# Maxos LED

## 4MX850 581 LED55S/840 PSD WB SI

Maxos Led Industry - Generation 3 - 1 unit for TL-D 58 W - LED Module, system flux 5500 lm - 840 neutral white - Power supply unit with DALI interface - Wide beam - Connection unit 5-pole - Silver

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			
Number of light sources	1 [ 1 pc]	Driver included	Yes
Lamp family code	LED55S [ LED Module, system flux 5500 lm]	Optic type	WB [ Wide beam]
Beam angle of light source	120 °	Optical cover/lens type	PM [ PMMA bowl/cover]
Light source colour	840 neutral white	Luminaire light beam spread	90°
Cap base	- [ -]	Control interface	DALI
Light source replaceable	No	Connection	CU5 [ Connection unit 5-pole]
Number of gear units	1 unit	Cable	-
Gear	-	Protection class IEC	Safety class I (I)
Driver/power unit/transformer	PSD [ Power supply unit with DALI interface]	Glow-wire test	650/30 [ Temperature 650 °C, duration 30 s]
		Flammability mark	NO [ -]

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CE mark	CE mark
ENEC mark	ENEC mark
UL mark	-
Warranty period	5 years
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB (16 A type B)	24
EU RoHS compliant	Yes
Product family code	4MX850 [ Maxos Led Industry]
Unified glare rating CEN	Not applicable

## Operating and Electrical

Input Voltage	220–240 V
Input frequency	50 to 60 Hz
Control signal voltage	0–16 V DC DALI
Inrush current	21 A
Inrush time	0.280 ms
Power factor (min.)	0.9

## Controls and Dimming

Dimmable	Yes
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## Mechanical and Housing

Trunking length	581 [ 1 unit for TL-D 58 W]
Housing material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Optical cover/lens finish	Clear
Overall length	1528 mm
Overall width	63 mm
Overall height	50 mm
Colour	Silver
Dimensions (height x width x depth)	50 x 63 x 1528 mm (2 x 2.5 x 60.2 in)

## Approval and Application

Ingress protection code	IP20 [ Finger-protected]
Mech. impact protection code	IK02 [ 0.2 J standard]
Sustainability rating	-

## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	5500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	169 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Initial input power	32.5 W
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

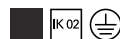
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L90
Lumen maintenance at median useful life* 100,000 h	L80

## Application Conditions

Ambient temperature range	-20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Not applicable

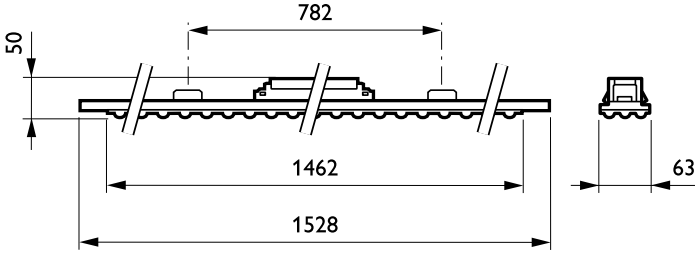
## Product Data

Full product code	403073266132999
Order product name	4MX850 581 LED55S/840 PSD WB SI
EAN/UPC – product	4030732661329
Order code	66132999
SAP numerator – quantity per pack	1
Numerator – packs per outer box	3
SAP material	910629121526
SAP net weight (piece)	1.815 kg



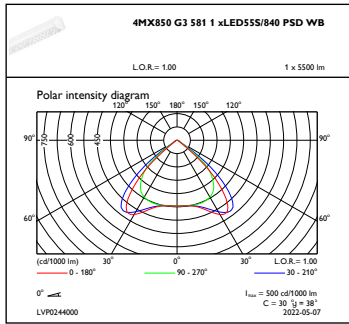
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## Dimensional drawing

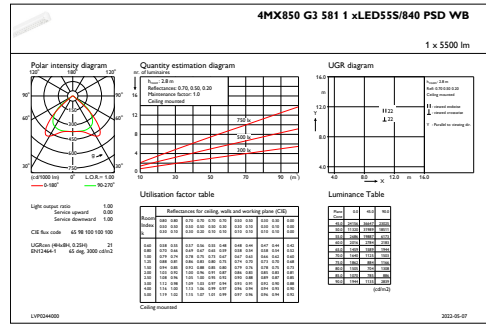


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## Photometric data



OFPC1\_4MX850G35811xLED55S840PSDWB



IFGU1\_4MX850G35811xLED55S840PSDWB

