



# Maxos LED

## 4MX850 581 LED80S/830 PSD WB WH

Maxos Led Industry - 830 warm white - Power supply unit with DALI interface - Wide 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			
Beam angle of light source	120 °	Cable	-
Light source color	830 warm white	Protection class IEC	Safety class I (I)
Light source replaceable	No	Glow-wire test	650/30 [ Temperature 650 °C, duration 30 s]
Number of gear units	1 unit	Flammability mark	NO [ -]
Driver/power unit/transformer	PSD [ Power supply unit with DALI interface]	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optic type	WB [ Wide beam]	Warranty period	5 years
Luminaire light beam spread	90°	Constant light output	No
Control interface	DALI	Number of products on MCB of 16 A type B	24
Connection	CU5 [ Connection unit 5-pole]	Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471

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EU RoHS compliant	Yes
Service tag	Yes
Product family code	4MX850 [ Maxos Led Industry]
Unified glare rating CEN	Not applicable

## Light Technical

Saturated Red (R9)	<50
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## Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	21 A
Inrush time	280 ms
Power Factor (Min)	0.9

## Controls and Dimming

Dimmable	Yes
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## Mechanical and Housing

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
Color	White
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]

## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	8000 lm
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Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	145 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Initial input power	55 W
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	-
35000 h	
Lumen maintenance at median useful life*	L80
50000 h	
Lumen maintenance at median useful life*	-
75000 h	
Lumen maintenance at median useful life*	-
100000 h	

## Application Conditions

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

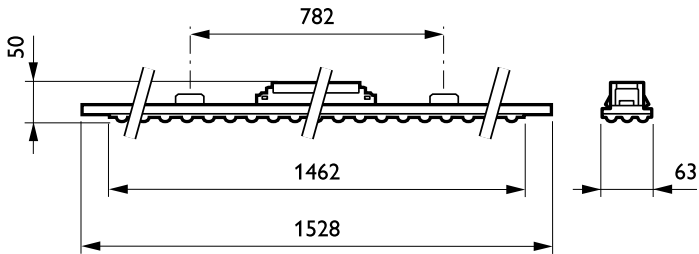
## Product Data

Full product code	871869907958199
Order product name	4MX850 581 LED80S/830 PSD WB WH
EAN/UPC - Product	8718699079581
Order code	07958199
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	3
Material Nr. (12NC)	910500460477
Net Weight (Piece)	1.815 kg



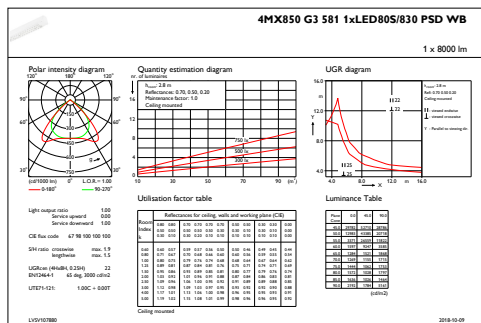
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## Dimensional drawing

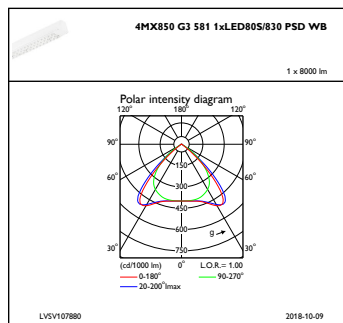


Maxos LED electr. units 4MX850-883

## Photometric data



IFGU1\_4MX850G35811xLED80S830PSDWB



IFPC1\_4MX850G35811xLED80S830PSDWB

