# **PHILIPS** Lighting



# **Maxos LED**

### 4MX850 581 LED55S/840 PSU NB WH

Maxos Led Industry, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit (On/Off), Narrow beam, 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 colour 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	Unit
Gear	-
Driver included	Yes
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.
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
EU RoHS compliant	Yes

#### **Maxos LED**

Light Technical	
Luminous Flux	5.500 lm
Edititious Flux	5,500 iii
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	167 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	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

220-240 V

50 to 60 Hz

17.8 A

0.9

\_

0.282 ms 33 W

-20 to +35 °C

Connection unit 3-pole

Optical cover/lens finish	Clear
Overall length	1,528 mm
Overall width	63 mm
Overall height	50 mm
Dimensions (height x width x depth)	50 x 63 x 1528 mm

Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)	
1	. / 100/

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Power consumption tolerance	+/-10%

#### Over Time Performance (IEC Compliant)

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

#### Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable

## Product Data

Order product name	4MX850 581 LED55S/840 PSU NB WH
Full product name	4MX850 581 LED55S/840 PSU NB WH
Full EOC	403073266525999
Order code	66525999
Material no. (12 NC)	910629150626
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	4030732665259
Numerator – packs per outer box	3
EAN/UPC - Case	4030732263387

D	
D	

Cable

Temperature
Ambient temperature range

**Operating and Electrical** 

Input Voltage

Line Frequency

Inrush current

**Power Consumption** 

Power Factor (Fraction)

Number of products on MCB of 16 A type 24

Inrush time

Connection

	Dimming

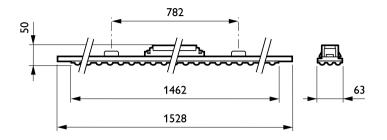
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

#### Mechanical and Housing

Housing material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	White

#### **Maxos LED**

#### Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, April 29 - data subject to change