# **PHILIPS** Lighting



# **Maxos LED**

# 4MX850 581 LED40S/840 PSD NB SI

Maxos Led Industry, LED module, system flux 4000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow beam, 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	
Lamp family code	LED40S [LED module, system flux 4000
	lm]
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	4MX850 [Maxos Led Industry]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-

# **Maxos LED**

ENEC mark
Temperature 650 °C, duration 30 s
Yes
4,000 lm
4000 K
166 lm/W
≥80
1
120 degree(s)
840 neutral white
Narrow beam
Polymethyl methacrylate bowl/cover
50°
Not applicable

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.280 ms
Power Consumption	24 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	24

-20 to +35 °C

#### Temperature

Ambient temperature range

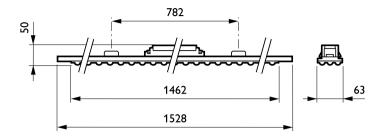
#### Controls and Dimming

Dimmable Yes   Driver/power unit/transformer Power supply unit with DALI interface   Control interface DALI   Constant light output No   Mechanical and Housing   Housing Material Steel   Reflector material -   Optic material Polymethyl methacrylate   Optical cover material Steel   Housing Color Silver   Optical cover finish Clear		
Control interface   DALI     Constant light output   No     Mechanical and Housing   Image: Constant light output     Housing Material   Steel     Reflector material   -     Optic material   Polymethyl methacrylate     Optical cover material   Polymethyl methacrylate     Fixation material   Steel     Housing Color   Silver	Dimmable	Yes
Constant light output No   Mechanical and Housing   Housing Material Steel   Reflector material -   Optic material Polymethyl methacrylate   Optical cover material Polymethyl methacrylate   Fixation material Steel   Housing Color Silver	Driver/power unit/transformer	Power supply unit with DALI interface
Mechanical and Housing     Housing Material   Steel     Reflector material   -     Optic material   Polymethyl methacrylate     Optical cover material   Polymethyl methacrylate     Fixation material   Steel     Housing Color   Silver	Control interface	DALI
Housing Material Steel   Reflector material -   Optic material Polymethyl methacrylate   Optical cover material Polymethyl methacrylate   Fixation material Steel   Housing Color Silver	Constant light output	No
Housing Material Steel   Reflector material -   Optic material Polymethyl methacrylate   Optical cover material Polymethyl methacrylate   Fixation material Steel   Housing Color Silver		
Reflector material -   Optic material Polymethyl methacrylate   Optical cover material Polymethyl methacrylate   Fixation material Steel   Housing Color Silver	Mechanical and Housing	
Optic material Polymethyl methacrylate   Optical cover material Polymethyl methacrylate   Fixation material Steel   Housing Color Silver	Housing Material	Steel
Optical cover material Polymethyl methacrylate   Fixation material Steel   Housing Color Silver	Reflector material	-
Fixation material Steel   Housing Color Silver	Optic material	Polymethyl methacrylate
Housing Color Silver	Optical cover material	Polymethyl methacrylate
	Fixation material	Steel
Optical cover finish Clear	Housing Color	Silver
	Optical cover 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]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to
	EN62778
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Complia	nt)
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L90
50000 h	
Lumen maintenance at median useful life*	L80
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable
Product Data	
Order product name	4MX850 581 LED40S/840 PSD NB SI
Full product name	4MX850 581 LED40S/840 PSD NB SI
Full product code	403073266177099
Order code	66177099
Material Nr. (12NC)	910629122926
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732661770
Numerater Dealerner enter her	3
Numerator - Packs per outer box	2

## **Maxos LED**

#### Dimensional drawing





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