# **PHILIPS** Lighting



# **Maxos LED**

# 4MX850 491 LED55S/840 PSD DA20 WH

Maxos Led Industry, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, 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 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]
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

## **Maxos LED**

EU RoHS compliant	Yes
Light Technical	
Luminous Flux	5,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	169 lm/W
Colour rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source colour	840 neutral white
Optic type	Double asymmetric optic 20°
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	20°
Unified Glare Rating (CEN)	Not applicable
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.280 ms
Power Consumption	32.5 W

0.97

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Connection unit 5-pole

-20 to +35 °C

	50 x 63 x 1478 mm
Dimensions (height x width x depth)	50 x 65 x 1476 11111
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%
Power consumption tolerance	· · · · · ·
Power consumption tolerance Over Time Performance (IEC Complia	+/-10%
·	+/-10%
Over Time Performance (IEC Complia Control gear failure rate at median useful	+/-10%
Over Time Performance (IEC Complia	+/-10%
Over Time Performance (IEC Complia Control gear failure rate at median useful life 50,000 h	+/-10%
Over Time Performance (IEC Complia Control gear failure rate at median useful life 50,000 h Control gear failure rate at median useful	+/-10%
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Over Time Performance (IEC Complia Control gear failure rate at median useful life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h	+/-10% 5 % 10 %
Over Time Performance (IEC Complia Control gear failure rate at median useful life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life*	+/-10% 5 % 10 %
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Over Time Performance (IEC Complia Control gear failure rate at median useful life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h	+/-10% 5 % 10 %
Over Time Performance (IEC Complia Control gear failure rate at median useful life 50,000 h Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life* 50,000 h Lumen maintenance at median useful life* 100,000 h	+/-10% ant) 5 % 10 % L90 L80

63 mm

50 mm

Overall width

Overall height

4MX850 491 LED55S/840 PSD DA20 WH
4MX850 491 LED555/840 PSD DA20 WH
403073266262399
66262399
910629124926
1
4030732662623
3
4030732259687

Ambient temperature range

Power Factor (Fraction)

Number of products on MCB of 16 A type B 24

Connection

Temperature

Cable

**Controls and Dimming** 

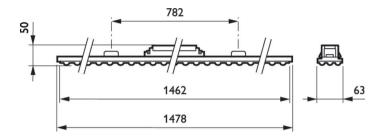
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

•	
Housing material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Clear
Overall length	1,478 mm

### **Maxos LED**

#### Dimensional drawing





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