# **PHILIPS** Lighting



# **Maxos LED**

## 4MX850 491 LED55S/840 PSD WB WH

Maxos Led Industry, Generation 4, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, Wide 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 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   LED55S [LED Module, system flux 5500 ln     Cap-Base   - [-]     Light source replaceable   No     CE mark   Yes     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		
Cap-Base - [-]   Light source replaceable No   CE mark Yes   Number of gear units 1 unit   Gear -   Driver included Yes   Remarks *-Per Lighting Europe guidance paper "Evaluating performance of LED based	General Information	
Light source replaceable No   CE mark Yes   Number of gear units 1 unit   Gear -   Driver included Yes   Remarks *-Per Lighting Europe guidance paper "Evaluating performance of LED based	Lamp family code	LED55S [LED Module, system flux 5500 lm]
CE mark Yes   Number of gear units 1 unit   Gear -   Driver included Yes   Remarks *-Per Lighting Europe guidance paper "Evaluating performance of LED based	Cap-Base	- [-]
Number of gear units 1 unit   Gear -   Driver included Yes   Remarks *-Per Lighting Europe guidance paper   "Evaluating performance of LED based	Light source replaceable	No
Gear -   Driver included Yes   Remarks *-Per Lighting Europe guidance paper   "Evaluating performance of LED based	CE mark	Yes
Driver included Yes   Remarks *-Per Lighting Europe guidance paper   "Evaluating performance of LED based	Number of gear units	1 unit
Remarks   *-Per Lighting Europe guidance paper     "Evaluating performance of LED based	Gear	-
"Evaluating performance of LED based	Driver included	Yes
	Remarks	*-Per Lighting Europe guidance paper
luminaires - January 2018": statistically		"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.
Flammability mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
Warranty period	5 years
Service tag	Yes
Product family code	4MX850 [Maxos Led Industry]
Lighting Technology	LED

### **Maxos LED**

ENEC mark	ENEC mark	Optic material
EU RoHS compliant	Yes	Optical cover/lens n
Value ladder	Performance	Fixation material
		Housing Color
Application Conditions		Optical cover/lens f
Maximum dim level	1%	Overall length
Performance ambient temperature Tq	25 °C	Overall width
Suitable for random switching	Not applicable	Overall height
		Dimensions (Height
Light Technical		
Luminous Flux	5,500 lumen	Approval and Ap
Correlated Color Temperature (Nom)	4000 K	Ingress protection c
Luminous Efficacy (rated) (Nom)	169 lm/W	Mech. impact protec
Color rendering index (CRI)	≥80	Sustainability rating
Number of light sources	1	Protection class IEC
Beam angle of light source	120 degree(s)	Photobiological risk
Light source color	840 neutral white	
Optic type	Wide beam	
Optical cover/lens type	Polymethyl methacrylate bowl/cover	Initial Performan
Luminaire light beam spread	90°	Initial chromaticity
Unified glare rating CEN	Not applicable	Luminous flux tolera
		Power consumption
Operating and Electrical		
Line Frequency	50 to 60 Hz	Over Time Perfor
Input Voltage	220-240 V	Control gear failure
Inrush current	21 A	life 50000 h
Inrush time	0.280 ms	Control gear failure
Power Consumption	32.5 W	life 100000 h
Power Factor (Fraction)	0.97	Lumen maintenance
Connection	Connection unit 5-pole	50000 h
Cable	-	Lumen maintenance
Number of products on MCB of 16 A type B	24	100000 h
Temperature		Product Data
Ambient temperature range	-20 to +35 °C	Full product code
		Order product name
Controls and Dimming		Order code
Dimmable	Yes	Numerator - Quanti
Driver/power unit/transformer	Power supply unit with DALI interface	Numerator - Packs
Control interface	DALI	Material Nr. (12NC)
Constant light output	No	Full product name
		EAN/UPC - Case
Mechanical and Housing		_
Housing Material	Steel	_
		_

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Reflector material

Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover/lens finish	Clear
Overall length	1,478 mm
Overall width	63 mm
Overall height	50 mm
Dimensions (Height x Width x Depth)	50 x 63 x 1478 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)	
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
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	
Product Data	
Full product code	403073266120699
Order product name	4MX850 491 LED55S/840 PSD WB WH
Order code	910629120326
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	3
Material Nr. (12NC)	910629120326

4MX850 491 LED55S/840 PSD WB WH

4030732256723

#### **Maxos LED**

#### Dimensional drawing

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