# **PHILIPS** Lighting



# **Maxos LED**

# 4MX850 581 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 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 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	-
ENEC mark	ENEC mark

# **Maxos LED**

Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	5,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	169 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	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
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	24

Tem	pera	ature

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

-20 to +35 °C

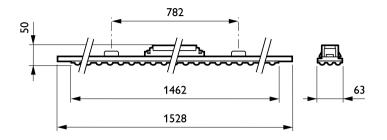
#### Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover finish	Clear
Overall length	1,528 mm
1	

Overall width63 mmOverall height50 mmDimensions (Height x Width x Depth)50 x 63 x 1528 mmApproval and ApplicationIP20 [Finger-protected]Ingress protection codeIR02 [0.2 J standard]Sustainability rating-Protection class IECSafety class IPhotobiological riskPhotobiological risk group 0 @200mm to EN62778Initial Performance (IEC Compliant)EN62778Luminous flux tolerance*/-10%Initial chromaticity(0.38, 0.38) SDCM <3.5Power consumption tolerance*/-10%Over Time Performance (IEC Compliant)Intitial chromaticityControl gear failure rate at median useful5 %If is 50000 hIntitia 10 %Control gear failure rate at median useful10 %Image at median useful life*L90S0000 hIntitia ChromaticityControl gear failure rate at median useful10 %If is 50000 hIntitia ChromaticityControl gear failure rate at median useful10 %Image at median useful life*L90S0000 hIntitia ChromaticityProduct DataIntitia ChromaticityProduct DataNot applicableProduct DataMX850 581 LED555/840 PSD DA20 WHFull product name4MX850 581 LED555/840 PSD DA20 WHFull product name4030732662647Mamerator - Quantity Per Pack1EAN/UPC - Product/Case3EAN/UPC - Case3		
Dimensions (Height x Width x Depth)       50 x 63 x 1528 mm         Approval and Application       IP20 [Finger-protected]         Ingress 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)       Imitial chromaticity         Luminous flux tolerance       +/-10%         Initial chromaticity       (0.38, 0.38) SDCM <3.5         Power consumption tolerance       +/-10%         Control gear failure rate at median useful       5 %         Life 50000 h       Imitial chromaticity         Control gear failure rate at median useful       10 %         Lumen maintenance at median useful life*       L90         S0000 h       Imitial chromaticity         Control gear failure rate at median useful life*       L80         100000 h       Imitian chromatice at median useful life*         Lumen maintenance at median useful life*       L80         100000 h       Imitian chromatice at median useful life*         Lumen maintenance at median useful life*       L80         100000 h       Imitian chromatice at median useful life*         Product Data       MX850 S81 LED55	Overall width	63 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)       Imitial chromaticity         Luminous flux tolerance       +/-10%         Initial chromaticity       (0.38, 0.38) SDCM <3.5	Overall height	50 mm
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 Compliant) Control gear failure rate at median useful 5% Life 5000 h Control gear failure rate at median useful 10 % Lumen maintenance at median useful life* L90 50000 h Lumen maintenance at median useful life* L80 100000 h Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Not applicable Product Data Order product name 4MX850 581 LED55S/840 PSD DA20 WH Full pr	Dimensions (Height x Width x Depth)	50 x 63 x 1528 mm
Mech. impact protection codeIK02 [0.2 J standard]Sustainability rating-Protection class IECSafety class IPhotobiological riskPhotobiological risk group 0 @200mm to EN62778Initial Performance (IEC Compliant)EN62778Luminous flux tolerance+/-10%Initial chromaticity(0.38, 0.38) SDCM <3.5	Approval and Application	
Sustainability rating       -         Protection class IEC       Safety class I         Photobiological risk       Photobiological risk group 0 @200mm to EN62778         Initial Performance (IEC Compliant)       Initial chromaticity         Luminous flux tolerance       +/-10%         Initial chromaticity       (0.38, 0.38) SDCM <3.5	Ingress protection code	IP20 [Finger-protected]
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EN62778         Initial Performance (IEC Compliant)         Luminous flux tolerance       +/-10%         Initial chromaticity       (0.38, 0.38) SDCM <3.5	Protection class IEC	Safety class I
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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 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 LED555/840 PSD DA20 WH Full product name 4MX850 FAD PAD PAD PAD PAD PAD PAD PAD PAD PAD P	Initial Performance (IEC Compliant)	
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Numerator - Quantity Per Pack1EAN/UPC - Product/Case4030732662647Numerator - Packs per outer box3	Order code	66264799
EAN/UPC - Product/Case     4030732662647       Numerator - Packs per outer box     3	Material Nr. (12NC)	910629125126
Numerator - Packs per outer box 3	Numerator - Quantity Per Pack	1
	EAN/UPC - Product/Case	4030732662647
EAN/UPC - Case 4030732259700	Numerator - Packs per outer box	3
	EAN/UPC - Case	4030732259700

## **Maxos LED**

#### Dimensional drawing





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