



# **Maxos LED**

# 4MX850 581 LED55S/840 PSD WB SI

Maxos Led Industry, Generation 3, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, Connection unit 5-pole, 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 General Lighting offers best-in-class energy savings while delivering high lux levels at the required colour temperatures and glare factors. The minimalistic Maxos LED General Lighting 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

Datasheet, 2024, February 19 data subject to change

## **Maxos LED**

EU RoHS compliant  Light Technical  Luminous Flux  S,500 Im  Correlated Color Temperature (Nom)  Luminous Efficacy (rated) (Nom)  Color endering index (CRI)  Beam angle of light source  Light source color  Beam angle of light source  Light source light source  Light sean  Light source light source  Light source light source  Light	Class when had	Tanana anti-una CEO 9C alamatiana 20 a
Light Technical  Luminous Flux 5,500 lm  Correlated Color Temperature (Nom) 4000 K  Luminous Efficacy (rated) (Nom) 169 lm/W  Color rendering index (CRI) 280  Number of light source 120 degree(s)  Light source color 840 neutral white  Optic type Wide beam  Optical cover type Polymethyl methacrylate bowl/cover  Luminaire light beam spread 90°  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 2,5 W  Power Factor (Fraction) 0,97  Connection Connection unit 5-pole  Cable -  Number of products on MCB of 16 A type B 24  Temperature  Ambient temperature range -20 to +35 °C  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 Polymethyl methacrylate  Fixation material Steel  Housing Color Silver  Optical cover finish Clear	Glow-wire test	Temperature 650 °C, duration 30 s
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 Wide beam  Optical cover type Polymethyl methacrylate bowl/cover  Luminaire light beam spread 90°  Unified glare rating CEN Not applicable  Operating and Electrical Input Voltage 220-240 V  Line Frequency 50 to 60 Hz  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  Temperature  Ambient temperature range -20 to +35 °C  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  Felector material Polymethyl methacrylate  Optical cover finish Clear	EU RoHS compliant	Yes
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Luminous Efficacy (rated) (Nom)  Color rendering index (CRI)  Number of light sources  1  Beam angle of light source  Light source color  840 neutral white  Optic type  Wide beam  Optical cover type  Polymethyl methacrylate bowl/cover  Luminaire light beam spread  Operating and Electrical  Input Voltage  Line Frequency  Inrush current  Inrush time  O.280 ms  Power Consumption  32.5 W  Power Factor (Fraction)  Connection  Connection  Connection  Connection which so have been added to the prover supply unit with DALI interface  Controls and Dimming  Dimmable  Yes  Driver/power unit/transformer  Power supply unit with DALI interface  Constant light output  No  Mechanical and Housing  Housing Material  Polymethyl methacrylate  Optical cover finish  Clear	Luminous Flux	5,500 lm
Color rendering index (CRI)  Number of light sources  1 20 degree(s)  Light source color  840 neutral white  Optic type  Wide beam  Optical cover type  Luminaire light beam spread  Optial glare rating CEN  Not applicable  Operating and Electrical  Input Voltage  220-240 V  Line Frequency  Inrush current  Inrush time  O280 ms  Power Consumption  Connection  Connection  Connection  Connection  Connection  Connection  Connection  Connection with 5-pole  Cable  - Number of products on MCB of 16 A type B  Driver/power unit/transformer  Power supply unit with DALI interface  Control interface  Control interface  Optic all desired in the supply of the supply	Correlated Color Temperature (Nom)	4000 K
Number of light sources 1 Beam angle of light source 120 degree(s) Light source color 840 neutral white Optic type Wide beam Optical cover type Polymethyl methacrylate bowl/cover Luminaire light beam spread 90° 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  Temperature Ambient temperature range -20 to +35 °C  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 Polymethyl methacrylate Fixation material Fixation material Fixation material Fixation material Fixation material Fixation Table Value and Table Main and Table 11 of 12 of 13 of 12	Luminous Efficacy (rated) (Nom)	169 lm/W
Beam angle of light source Light source color 840 neutral white Optic type Wide beam Optical cover type Polymethyl methacrylate bowl/cover Luminaire light beam spread 90° 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 Cable - Number of products on MCB of 16 A type B 24  Temperature Ambient temperature range -20 to +35 °C  Controls and Dimming Dimmable Yes Driver/power unit/transformer Control interface DALI Constant light output No  Mechanical and Housing Housing Material Steel Reflector material Optic acover finish Clear Optical cover finish Clear	Color rendering index (CRI)	≥80
Light source color  Optic type  Optic type  Optical cover type  Luminaire light beam spread  Operating and Electrical Input Voltage  Inrush current Inrush time  Operator (Fraction)  Connection  Controls and Dimming  Dimmable  Yes  Driver/power unit/transformer  Constant light output  Mechanical and Housing Housing Material  Reflector material  Polymethyl methacrylate  Polymethyl methacrylate  Fixation material  Housing Color  Optical cover finish  Optimaterial  Optical cover finish  Clear	Number of light sources	1
Optic type Optical cover type Polymethyl methacrylate bowl/cover Luminaire light beam spread 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) Connection Connection Connection unit 5-pole Cable - Number of products on MCB of 16 A type B Abient temperature Ambient temperature range Ves 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 Polymethyl methacrylate Fixation material Fixation material Fixation material Optical cover finish Clear	Beam angle of light source	120 degree(s)
Optical cover type Polymethyl methacrylate bowl/cover Luminaire light beam spread 90° 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  Temperature Ambient temperature range 20 to +35 °C  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 Polymethyl methacrylate Optic acover material Polymethyl methacrylate Fixation material Steel Housing Color Optical cover finish Clear	Light source color	840 neutral white
Luminaire light beam spread 90° 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  Temperature Ambient temperature range -20 to +35 °C  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 Polymethyl methacrylate Optical cover material Steel Housing Color Silver Optical cover finish Clear	Optic type	Wide beam
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  Ambient temperature  Ambient temperature range -20 to +35 °C  Controls and Dimming  Dimmable Yes  Driver/power unit/transformer  Control interface DALI  Constant light output No  Mechanical and Housing  Housing Material Reflector material Optic material Polymethyl methacrylate  Optical cover material Fixation material Steel Housing Color Silver Optical cover finish Clear	Optical cover type	Polymethyl methacrylate bowl/cover
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  Temperature  Ambient temperature range -20 to +35 °C  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 Polymethyl methacrylate  Optical cover material Steel  Housing Color Silver  Optical cover finish Clear	Luminaire light beam spread	90°
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  Temperature  Ambient temperature range -20 to +35 °C  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	Unified glare rating CEN	Not applicable
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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         Temperature         Ambient temperature range       -20 to +35 °C         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       Steel         Housing Material       Steel         Reflector material       Polymethyl methacrylate         Optical cover material       Polymethyl methacrylate         Fixation material       Steel         Housing Color       Silver         Optical cover finish       Clear	Line Frequency	50 to 60 Hz
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Cable  Number of products on MCB of 16 A type B 24  Temperature  Ambient temperature range -20 to +35 °C  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 Polymethyl methacrylate  Optical cover material Polymethyl methacrylate  Fixation material Steel  Housing Color Silver  Optical cover finish Clear		
Number of products on MCB of 16 A type B 24  Temperature  Ambient temperature range -20 to +35 °C  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 Polymethyl methacrylate  Fixation material Steel  Housing Color Silver  Optical cover finish Clear		-
Temperature  Ambient temperature range -20 to +35 °C  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 Polymethyl methacrylate  Optical cover material Polymethyl methacrylate  Fixation material Steel  Housing Color Silver  Optical cover finish Clear		24
Ambient temperature range  -20 to +35 °C  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  Polymethyl methacrylate  Fixation material  Steel  Housing Color  Silver  Optical cover finish  Clear	Training of products of filed of to A type B	
Ambient temperature range  -20 to +35 °C  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  Polymethyl methacrylate  Fixation material  Steel  Housing Color  Silver  Optical cover finish  Clear	Temperature	
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 Polymethyl methacrylate  Fixation material Steel  Housing Color Silver  Optical cover finish Clear		-20 to +35 °C
Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface DALI Constant light output No  Mechanical and Housing Housing Material Steel Reflector material Polymethyl methacrylate Optical cover material Polymethyl methacrylate Fixation material Steel Housing Color Silver Optical cover finish Clear	Ambient temperature range	-20 to +33 C
Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface DALI Constant light output No  Mechanical and Housing Housing Material Steel Reflector material Polymethyl methacrylate Optical cover material Polymethyl methacrylate Fixation material Steel Housing Color Silver Optical cover finish Clear	Controls and Dimming	
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 Polymethyl methacrylate  Fixation material Steel  Housing Color Silver  Optical cover finish Clear		Vec
Control interface DALI  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  Optical cover finish Clear		
Constant light output  Mechanical and Housing  Housing Material  Reflector material  Optic material  Optical cover material  Polymethyl methacrylate  Fixation material  Housing Color  Silver  Optical cover finish		
Mechanical and Housing  Housing Material Steel  Reflector material - Optic material Polymethyl methacrylate  Optical cover material Polymethyl methacrylate  Fixation material Steel  Housing Color Silver  Optical cover finish Clear		<del>,</del>
Housing Material  Reflector material  Optic material  Optical cover material  Polymethyl methacrylate  Optical cover material  Polymethyl methacrylate  Fixation material  Steel  Housing Color  Silver  Optical cover finish  Clear	Constant light output	NO
Housing Material  Reflector material  Optic material  Optical cover material  Polymethyl methacrylate  Optical cover material  Polymethyl methacrylate  Fixation material  Steel  Housing Color  Silver  Optical cover finish  Clear	Machanian and Harrison	
Reflector material - Optic material Polymethyl methacrylate Optical cover material Polymethyl methacrylate Fixation material Steel Housing Color Silver Optical cover finish Clear		
Optic material     Polymethyl methacrylate       Optical cover material     Polymethyl methacrylate       Fixation material     Steel       Housing Color     Silver       Optical cover finish     Clear		Steel
Optical cover material     Polymethyl methacrylate       Fixation material     Steel       Housing Color     Silver       Optical cover finish     Clear		-
Fixation material Steel Housing Color Silver Optical cover finish Clear		
Housing Color Silver  Optical cover finish Clear		Polymethyl methacrylate
Optical cover finish Clear		Steel
	Housing Color	Silver
Overall length 1,528 mm	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 ℃
Maximum dim level	1%
Suitable for random switching	Not applicable
Product Data	
Order product name	4MX850 581 LED55S/840 PSD WB SI
Full product name	4MX850 581 LED55S/840 PSD WB SI
Full product code	403073266132999
Order code	910629121526
Material Nr. (12NC)	910629121526
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732661329
Numerator - Packs per outer box	3
EAN/UPC - Case	4030732256846

### **Maxos LED**

### Dimensional drawing



