



Maxos LED

4MX850 491 LED66S/840 PSD DA20 WH

Maxos Led Industry, LED module, system flux 6600 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

LED66S [LED module, system flux 6600 lm	
No	
1 unit	
-	
Yes	
*-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, January 22 data subject to change

Maxos LED

Light source color 840 neutral white Dottic type Double asymmetric optic 20° Optical cover type Polymethyl methacrylate bowl/cover Luminaire light beam spread 20° Luminous flux tolerance Initial Performance (IEC Compliant) Luminous flux tolerance */-10% Initial consumption tolerance */-10% Dover Time Performance (IEC Compliant) Control gear failure rate at median useful Iffe 50000 h Control gear failure rate at median useful Iffe 100000 h Lumen maintenance at median useful life* Lend products on MCB of 16 A type B 24 Driver/power unit/transformer Power supply unit with DALI interface Control Interface DALI Product Data EN62778 Initial Performance (IEC Compliant) Luminous flux tolerance */-10% Control gear failure rate at median useful Iffe 50000 h Lumen maintenance at median useful Iffe 100000 h Lumen maintenance at median useful life* LBO 100000 h Eumen maintenance at median useful life* LBO 100000 h Eumen maintenance at median useful life* LBO 100000 h Eumen maintenance at median useful life* LBO 100000 h Eumen maintenance at median useful life* LBO 100000 h Eumen maintenance at median useful life* LBO 100000 h Eumen maintenance at median useful life* LBO 100000 h Eumen maintenance at median useful life* LBO 100000 h Em62778 Em627 Em62				
Dimensions (Height x Width x Depth) 50 x 63 x 1478 mm	Glow-wire test	Temperature 650 °C, duration 30 s	Overall width	63 mm
Light Technical Luminous Flux	EU RoHS compliant	Yes	Overall height	50 mm
Luminous Flux			Dimensions (Height x Width x Depth)	50 x 63 x 1478 mm
Correlated Color Temperature (Nom)	Light Technical			
Luminous Efficacy (rated) (Nom) 169 Im/W 560 Color rendering index (CRI) 260 Color rendering index (CRI) 260 Color rendering index (CRI) 260 Ream angle of light source 170 degree(s) 17	Luminous Flux	6,600 lm	Approval and Application	
Sustainability rating	Correlated Color Temperature (Nom)	4000 K	Ingress protection code	IP20 [Finger-protected]
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° Opticat cover type Polymethyl methacrylate bowl/cover Luminaire light beam spread 20° Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 200-240 V Line Frequency 50 to 60 Hz Linush fine 0.280 ms Power Consumption 39 W Power Ratior (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 Dirtvack power unit/transformer Dirmable Yes Dirtvack power unit/transformer Downstrian and Housing Housing Material Steel Power Michanical and Housing Housing Material Steel Fakulton material Steel Fakulton material Steel Product Case Photobiological risk proup 0 @200mm Photobiological risk group 0 @200mm Photobiological risk proup 0 @200mm Photobiological risk group 0 @200mm Photobiological risk proup 0 @200mm Photopiological risk	Luminous Efficacy (rated) (Nom)	169 lm/W	Mech. impact protection code	IK02 [0.2 J standard]
Beam angle of light source 120 degree(s) 840 neutral white Double asymmetric optic 20° Dittat cover type Double asymmetric optic 20° Dittat cover type Polymethyl methacrylate bowl/cover Dittat dight beam spread 20° Luminaire light look and Electrical 10° Luminaire light look and Electrical 10° Luminaire light look and Electrical 10° Luminaire land luminaire light look and Electrical 10° Luminaire land luminaire land light spread 20° Luminaire land luminaire land light spread 20° Luminaire land light spread 20° Luminaire land luminaire land light spread 20° Luminaire l	Color rendering index (CRI)	≥80	Sustainability rating	_
Light source color 840 neutral white Optic type Double asymmetric optic 20° Optical cover type Polymethyl methacrylate bowl/cover Uminiare light beam spread 20° Unified glare rating CEN Not applicable Imitial chromaticity (0.38, 0.38) SDCM <3.5 Power consumption tolerance +/-10% Operating and Electrical Imput Voltage 220-240 V Over Time Performance (IEC Compliant) Line Frequency 50 to 60 Hz Over Time Performance (IEC Compliant) Innush current 21 A Ifferover Consumption tolerance 10 SW	Number of light sources	1	Protection class IEC	Safety class I
Optic type Double asymmetric optic 20° Opticat cover type Polymethyl methacrylate bowlycover Luminaire light beam spread 20° Luminaire light beam spread 20° Unified glare rating CEN Not applicable Initial chromaticity (0.38, 0.38) SDCM <3.5 Power consumption tolerance +/-10% Operating and Electrical Input Voltage 220-240 V Input Voltage 220-240 V Inrush current 21 A Inrush current 21 A Inrush time 0.280 ms Control gear failure rate at median useful 16 % Power Consumption 0 h Power Factor (Fraction) 0.97 Lumen maintenance at median useful 17 % Connection Connection unit 5-pole Lumen maintenance at median useful life* L80 Temperature Ambient temperature range -20 to +35 °C Application Conditions Performance ambient temperature Tq 25 °C Maximum din level 17 % Maximum din level 17 % Suitable for random switching Not applicable Product Data Order product name 4MX850 491 LED665/840 PSD DA20 V Mechanical and Housing Holymethacrylate Polymethyl methacrylate 18 EAN/UPC - Case 40307322666010 Numerator - Packs per outer box 3 EAN/UPC - Case 40307322666010	Beam angle of light source	120 degree(s)	Photobiological risk	Photobiological risk group 0 @200mm to
Optical cover type	Light source color	840 neutral white		EN62778
Luminaire light beam spread 20° Unified glare rating CEN Not applicable Initial chromaticity (0.38, 0.38) SDCM <3.5 Power consumption tolerance */-10% Operating and Electrical Input Voltage 220-240 V Unified gear failure rate at median useful */-10% Over Time Performance (IEC Compliant) Unified performance (IEC Com	Optic type	Double asymmetric optic 20°		
Unified glare rating CEN Not applicable Initial chromaticity (0.38, 0.38) SDCM <3.5 Power consumption tolerance	Optical cover type	Polymethyl methacrylate bowl/cover	Initial Performance (IEC Compliant)	
Power consumption tolerance	Luminaire light beam spread	20°	Luminous flux tolerance	+/-10%
Input Voltage	Unified glare rating CEN	Not applicable	Initial chromaticity	(0.38, 0.38) SDCM <3.5
Input Voltage 220-240 V Over Time Performance (IEC Compliant)			Power consumption tolerance	+/-10%
Control gear failure rate at median useful 15%	Operating and Electrical			
Inrush current	Input Voltage	220-240 V	Over Time Performance (IEC Complia	ant)
Inrush time 0,280 ms Control gear failure rate at median useful life* 1,90 mere Consumption 39 W Lumen maintenance at median useful life* 1,90 mere Factor (Fraction) 0,97 Lumen maintenance at median useful life* 1,90 mere Factor (Fraction) 0,97 Lumen maintenance at median useful life* 1,80 mere Factor (Fraction) 0,97 Lumen maintenance at median useful life* 1,80 mere Factor (Fraction) 1,90 m	Line Frequency	50 to 60 Hz	Control gear failure rate at median useful	5 %
Description 39 W Section 18 Description 18 Desc	Inrush current	21 A	life 50000 h	
Power Factor (Fraction) Connection Connection unit 5-pole Conside Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* L80 Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 1% Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Full product name 4MX850 491 LED665/840 PSD DA20 v. Full product name 4MX850 491 LED665/840 PSD DA20 v. Full product code 403073266601099 Mechanical and Housing Housing Material Steel Material Nr. (12NC) 910629158026 Reflector material Polymethyl methacrylate Optic and metrial Polymethyl methacrylate Fixation material Steel Fixation material Steel Anumerator - Packs per outer box 3 EAN/UPC - Case A03073264162	Inrush time	0.280 ms	Control gear failure rate at median useful	10 %
Connection Connection Connection Connection Connection Connection Connection Connection Connection Control sand Dimming Dimmable Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Control i	Power Consumption	39 W	life 100000 h	
Cable - Lumen maintenance at median useful life* L80 Number of products on MCB of 16 A type B 24 Temperature Ambient temperature range -20 to +35 °C Performance ambient temperature Tq 25 °C Maximum dim level 1% Controls and Dimming Suitable for random switching Not applicable Product Data Order product name 4MX850 491 LED665/840 PSD DA20 V Full product name 4MX850 491 LED665/840 PSD DA20 V Full product code 403073266601099 Mechanical and Housing Housing Material Steel Material Nr. (12NC) 910629158026 Reflector material Polymethyl methacrylate Fixation material Steel Fixation material Steel EAN/UPC - Case 4030732664162	Power Factor (Fraction)	0.97	Lumen maintenance at median useful life*	L90
Number of products on MCB of 16 A type B 24 Temperature Application Conditions Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 1% Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Full product name 4MX850 491 LED66S/840 PSD DA20 V Full product code 403073266601099 Mechanical and Housing Housing Material Steel Reflector material Polymethyl methacrylate Optical cover material Polymethyl methacrylate Fixation material Steel EAN/UPC - Case 4030732264162	Connection	Connection unit 5-pole	50000 h	
Temperature Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Not applicable Product Data Order product name 4MX850 491 LED665/840 PSD DA20 V Full product name 4MX850 491 LED665/840 PSD DA20 V Full product code 403073266601099 Mechanical and Housing Housing Material Steel Material Polymethyl methacrylate Optical cover material Polymethyl methacrylate Fixation material Steel Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Not applicable Product Data Order product name 4MX850 491 LED665/840 PSD DA20 V Full product name 4MX850 491 LED665/840 PSD DA20 V Full product code 910629158026 Material Nr. (12NC) 910629158026 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 4030732666010 Numerator - Packs per outer box 3 Fixation material Steel EAN/UPC - Case 4030732264162	Cable	-	Lumen maintenance at median useful life*	L80
Ambient temperature range -20 to +35 °C Maximum dim level 1% 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 Mechanical and Housing Housing Material Steel Product Data Order product name 4MX850 491 LED665/840 PSD DA20 V Full product code 403073266601099 Methanical and Housing Material Nr. (12NC) 910629158026 Reflector material Optic material Polymethyl methacrylate Optical cover material Polymethyl methacrylate Fixation material Steel EAN/UPC - Product/Case 4030732264162	Number of products on MCB of 16 A type	B 24	100000 h	
Ambient temperature range -20 to +35 °C Performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Not applicable Product Data Product Data Order product name 4MX850 491 LED665/840 PSD DA20 V Full product name 4MX850 491 LED665/840 PSD DA20 V Full product code 403073266601099 Mechanical and Housing Housing Material Steel Material Nr. (12NC) 910629158026 Reflector material Polymethyl methacrylate Optical cover material Polymethyl methacrylate Fixation material Steel Numerator - Packs per outer box EAN/UPC - Case 4030732264162				
Maximum dim level 1% Suitable for random switching Not applicable Product Data Order product name 4MX850 491 LED665/840 PSD DA20 V Constant light output No Full product code 403073266601099 Mechanical and Housing Housing Material Steel Material Polymethyl methacrylate Optic material Polymethyl methacrylate Fixation material Steel EAN/UPC - Case 4030732264162	Temperature		Application Conditions	
Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Full product name 4MX850 491 LED66S/840 PSD DA20 V Full product name 4MX850 491 LED66S/840 PSD DA20 V Full product name 4MX850 491 LED66S/840 PSD DA20 V Full product code 40307326601099 Order code Polymethyl methacrylate Optic material Polymethyl methacrylate Polymethyl methacrylate Numerator - Packs per outer box Steel EAN/UPC - Case 4030732264162	Ambient temperature range	-20 to +35 ℃	Performance ambient temperature Tq	25 ℃
Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Product Data Control interface DALI Order product name 4MX850 491 LED665/840 PSD DA20 V Constant light output No Full product name 4MX850 491 LED665/840 PSD DA20 V Full product code 403073266601099 Mechanical and Housing Order code 910629158026 Housing Material Steel Material Nr. (12NC) 910629158026 Reflector material - Numerator - Quantity Per Pack 1 Optic material Polymethyl methacrylate EAN/UPC - Product/Case 4030732666010 Optical cover material Steel Numerator - Packs per outer box 3 Fixation material Steel EAN/UPC - Case 4030732264162			Maximum dim level	1%
Driver/power unit/transformerPower supply unit with DALI interfaceProduct DataControl interfaceDALIOrder product name4MX850 491 LED66S/840 PSD DA20 VConstant light outputNoFull product name4MX850 491 LED66S/840 PSD DA20 VMechanical and HousingFull product code403073266601099Mechanical and Housing MaterialSteelMaterial Nr. (12NC)910629158026Reflector material-Numerator - Quantity Per Pack1Optic materialPolymethyl methacrylateEAN/UPC - Product/Case4030732666010Optical cover materialPolymethyl methacrylateNumerator - Packs per outer box3Fixation materialSteelEAN/UPC - Case4030732264162	Controls and Dimming		Suitable for random switching	Not applicable
Control interface DALI Order product name 4MX850 491 LED66S/840 PSD DA20 V Full product name 4MX850 491 LED66S/840 PSD DA20 V Full product code 403073266601099 Mechanical and Housing Housing Material Steel Material Nr. (12NC) Polymethyl methacrylate EAN/UPC - Product/Case 4030732661010 Polymethyl methacrylate Fixation material Steel EAN/UPC - Case 4030732264162	Dimmable	Yes		
Constant light output No Full product name 4MX850 491 LED66S/840 PSD DA20 V Full product code 403073266601099 Mechanical and Housing Housing Material Steel Material Nr. (12NC) Polymethyl methacrylate Optic material Polymethyl methacrylate Fixation material Steel Full product name 4MX850 491 LED66S/840 PSD DA20 V 403073266601099 Material Nr. (12NC) 910629158026 Material Nr. (12NC) 910629158026 EAN/UPC - Product/Case 4030732666010 Numerator - Packs per outer box 3 EAN/UPC - Case 4030732264162	Driver/power unit/transformer	Power supply unit with DALI interface	Product Data	
Full product code 403073266601099 Mechanical and Housing Order code 910629158026 Housing Material Steel Material Nr. (12NC) 910629158026 Reflector material - Numerator - Quantity Per Pack 1 Optic material Polymethyl methacrylate EAN/UPC - Product/Case 4030732666010 Optical cover material Polymethyl methacrylate Numerator - Packs per outer box 3 Fixation material Steel EAN/UPC - Case 4030732264162	Control interface	DALI	Order product name	4MX850 491 LED66S/840 PSD DA20 WH
Mechanical and Housing Housing Material Steel Material Nr. (12NC) 910629158026 Reflector material - Numerator - Quantity Per Pack 1 Optic material Polymethyl methacrylate EAN/UPC - Product/Case 4030732666010 Optical cover material Polymethyl methacrylate Numerator - Packs per outer box 3 Fixation material Steel EAN/UPC - Case 4030732264162	Constant light output	No	. —	4MX850 491 LED66S/840 PSD DA20 WH
Housing Material Reflector material Optic material Polymethyl methacrylate Fixation material Steel Material Nr. (12NC) 910629158026 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 4030732666010 Numerator - Packs per outer box 3 EAN/UPC - Case 4030732264162			Full product code	403073266601099
Reflector material - Numerator - Quantity Per Pack 1 Optic material Polymethyl methacrylate EAN/UPC - Product/Case 4030732666010 Optical cover material Polymethyl methacrylate Numerator - Packs per outer box 3 Fixation material Steel EAN/UPC - Case 4030732264162	Mechanical and Housing		Order code	910629158026
Optic material Polymethyl methacrylate EAN/UPC - Product/Case 4030732666010 Optical cover material Polymethyl methacrylate Numerator - Packs per outer box 3 Fixation material Steel EAN/UPC - Case 4030732264162	Housing Material	Steel	Material Nr. (12NC)	910629158026
Optical cover material Polymethyl methacrylate Numerator - Packs per outer box 3 Fixation material Steel EAN/UPC - Case 4030732264162	Reflector material	-	Numerator - Quantity Per Pack	1
Fixation material Steel EAN/UPC - Case 4030732264162	Optic material	Polymethyl methacrylate	EAN/UPC - Product/Case	4030732666010
Tradio material Steet	Optical cover material	Polymethyl methacrylate	Numerator - Packs per outer box	3
Housing Color White	Fixation material	Steel	EAN/UPC - Case	4030732264162
	Housing Color	White		
Optical cover finish Clear	Optical cover finish	Clear		
Overall length 1,478 mm	Overall length	1,478 mm		

Maxos LED

Dimensional drawing



