



Maxos LED

4MX850 491 LED40S/830 PSD A20 WH

Maxos Led Industry, LED module, system flux 4000 lm, 830 warm white, Power supply unit with DALI interface, Asymmetrical mirror axis angle 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	LED40S [LED module, system flux 4000 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

Datasheet, 2023, April 15 data subject to change

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Opticat type	EU RoHS compliant	Yes	Overall height	50 mm
Correlated Colour Temperature 3000 K 18 19 19 19 19 19 19 19			Dimensions (height x width x depth)	50 x 63 x 1478 mm
Impress protection code Impress protecti	Light Technical			
Mech. Impact protection code MCG 2[0.2 Jaindaili] Colour rendering index (CRI) 850 80 statinability rating - Sustainability rating - Photebiological risk - Photeconal light - Pho	Luminous Flux	3,800 lm	Approval and Application	
Colour rendering index (CRI) 280 Sustainability rating - Beam angle of tight source 120 degree(s) Protection class EC Safety class I Opticat type Asymmetrical mirror axis angle 20° Functional class EC Safety class I Opticat cover type Polymethyl methacrylate bowl/cover Initial Performance (IEC Compliant) Initial Performance (IEC Compliant) Unified Glare Rating (CEN) Not applicable Luminous flux tolerance -/-10% Coperating and Electrical 10 put Voltage 220-240 V Line Frequency 50 to 69 ½ Over Time Performance (IEC Compliant) Innush current 21 A Control gear failure rate at median useful 5% Innush current 21 A Control gear failure rate at median useful 5% Innush current 21 A Control gear failure rate at median useful 10 % Power Consumption 24 W Control gear failure rate at median useful 10 % Control Gable - - 50.000 h Temperature 20 to 135°C Sociola 10 % Control Gand Dimming Yes S	Correlated Colour Temperature	3000 K	Ingress protection code	IP20 [Finger-protected]
Beam angle of tight source 120 degree(s) Protection class IEC Safety class 1	Luminous efficacy (rated) (nom.)	158 lm/W	Mech. impact protection code	IK02 [0.2 J standard]
Light source colour 830 warm white Optic type Asymmetrical mirror axis angle 20' polytical cover type Polymethyl methacrylate bowl/cover Luminaire light beam spread 20' Initial Performance (IEC Compliant) Unified Gaire Rating (ER) Not applicable Luminous flux tolerance 1/-10% Initial Chromaticity (0.43, 0.40) SDCM <3.5 Power consumption tolerance 7/-10% Initial Chromaticity (0.43, 0.40) SDCM <3.5 Power consumption tolerance 7/-10% Initial Chromaticity (0.43, 0.40) SDCM <3.5 Power consumption tolerance 7/-10% Initial Chromaticity (0.43, 0.40) SDCM <3.5 Power consumption tolerance 7/-10% Initial Chromaticity (0.43, 0.40) SDCM <3.5 Power consumption tolerance 7/-10% Initial Chromaticity (0.43, 0.40) SDCM <3.5 Power consumption tolerance (IEC Compliant) Control gear failure rate at median useful 15 % Itle 50,000 h Connection 0.037 Connection 0.038 Connection 0.039 C	Colour rendering index (CRI)	≥80	Sustainability rating	-
Opticat type	Beam angle of light source	120 degree(s)	Protection class IEC	Safety class I
Optical cover type Polymethyl methacrylate bowl/cover Luminaire light beam spread 20° Initial Performance (IEC Compliant) Unified Glare Rating (CEN) Not applicable Power consumption tolerance 1/-10% Power consumption tolerance 1/-10% Power consumption tolerance 1/-10% Control gear failure rate at median useful 15° % Unified Glare Rating (CEN) Not applicable Control gear failure rate at median useful 10° % Unified Glare Rating (CEN) Not applicable Not applicabl	Light source colour	830 warm white	Photobiological risk	Photobiological risk group 0 @200mm t
Luminaire light beam spread 20" Linifical Care Rating (CEN) Not applicable Luminous flux tolerance #/-10% Initial Performance (IEC Compliant) Luminous flux tolerance #/-10% Power consumption tolerance #/-10% Line Frequency 50 to 60 Hz Line Frequency 50 to 60 Hz Linush current 21 A Linush current 0.280 ms Linush time 0.280 ms Power Consumption 24 W Control gear faiture rate at median useful 10% Iffe 50,000 h Lumen maintenance at median useful 10% Iffe 50,000 h Lumen maintenance at median useful life* L90 50,000 h Lumen maintenance at median useful life* L90 50,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h Lumen maintenance at median useful life* L80 100,000 h 100 h 1	Optic type	Asymmetrical mirror axis angle 20°	_	EN62778
Luminous flux tolerance	Optical cover type	Polymethyl methacrylate bowl/cover		
Initial chromaticity (0.43, 0.40) SDCM ~3.5	Luminaire light beam spread	20°	Initial Performance (IEC Compliant)	
Power consumption tolerance	Unified Glare Rating (CEN)	Not applicable	Luminous flux tolerance	+/-10%
Imput Voltage 220-240 V Line Frequency 50 to 60 Hz Over Time Performance (IEC Compliant) Control gear failure rate at median useful 10 % Infusion turnent 10 0.280 ms Power Consumption 24 W Control gear failure rate at median useful 10 % Iffe 100,000 h Lumen maintenance at median useful life* 10 0.000 h Lumen maintenance at median useful li			Initial chromaticity	(0.43, 0.40) SDCM <3.5
Line Frequency 50 to 60 Hz Inrush current 21 A Control gear failure rate at median useful 15 % Inrush time 0.280 ms Inrush time 0.280 ms Power Consumption 24 W Control gear failure rate at median useful 16 % Power Factor (Fraction) 0.97 Connection Connection Unit 5-pole 16 Lumen maintenance at median useful life* 1.90 Cable	Operating and Electrical		Power consumption tolerance	+/-10%
Linush current 21 A Control gear failure rate at median useful 5% invision time 0.280 ms Utfe 50,000 h Control gear failure rate at median useful 10% Control gear failure rate at median useful 10% Control gear failure rate at median useful 10% Connection 0.97 Utfe 100,000 h Connection Connection unit 5-pole Lumen maintenance at median useful life* 1.90 Connection on MCB of 16 A type B 24	Input Voltage	220-240 V		
Ities 50,000 h Power Consumption 24 W Power Consumption 0.97 Connection Connection unit 5-pole 1	Line Frequency	50 to 60 Hz	Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100,000 h Lumen maintenance at median useful life 100,000 h	Inrush current	21 A	Control gear failure rate at median useful	5 %
Power Factor (Fraction) Connection Connectio	Inrush time	0.280 ms	life 50,000 h	
Lumen maintenance at median useful life* L90 So,000 h Lumen maintenance at median useful life* L80 So,000 h So	Power Consumption	24 W	Control gear failure rate at median useful	10 %
So,000 h Lumen maintenance at median useful life* L80 100,000 h Temperature Ambient temperature range	Power Factor (Fraction)	0.97	life 100,000 h	
Lumen maintenance at median useful life* 180 (100,000 h) Temperature Ambient temperature range -20 to +35 °C	Connection	Connection unit 5-pole	Lumen maintenance at median useful life*	L90
Temperature Ambient temperature range	Cable	-	50,000 h	
Ambient temperature 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 Order product name 4MX850 491 LED40S/830 PSD A20 WH Full product name 4MX850 491 LED40S/830 PSD A20 WH Full EOC 403073266759899 Material No. (12 NC) 910629161026 SAP numerator – quantity per pack 1 EAN/UPC – Product/Case 4030732266173 Mumerator – packs per outer box 3 EAN/UPC – Case 4030732266173 EAN/UPC – Case 4030732266173	Number of products on MCB of 16 A t	ype B 24	Lumen maintenance at median useful life*	L80
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/lens material Steel Housing Colour White Optical cover/lens finish Optical cover/lens finish Clear Optical cover/lens finish Control length output Was a performance ambient temperature Tq 25 °C Maximum dim level 1% Suitable for random switching Not applicable Product Data Order product name 4MX850 491 LED40S/830 PSD A20 WH Full Product name 4MX850 491 LED40S/830 PSD A20 WH Full Product name 4MX850 491 LED40S/830 PSD A20 WH Full EOC Order code 66759899 Material no. (12 NC) 910629161026 SAP numerator – quantity per pack 1 EAN/UPC – Product/Case 4030732667598 Numerator – packs per outer box 3 EAN/UPC – Case 403073266173			100,000 h	
Performance ambient temperature Tq 25 °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 Polymethyl methacrylate Optical cover/lens material Steel Housing Colour White Optical cover/lens finish Optical cover/lens finish Optical cover/lens finish Ocal and Maximum dim level Maximum dim level Maximum dim level 1% Maximum dim level 1% Suitable for random switching Not applicable Product Data Order product name 4MX850 491 LED40S/830 PSD A20 WH Full product name 4MX850 491 LED40S/830 PSD A20 WH Full product name 4MX850 491 LED40S/830 PSD A20 WH Full product name 4MX850 491 LED40S/830 PSD A20 WH Full EOC 403073266759899 Material no. (12 NC) 910629161026 SAP numerator – quantity per pack 1 EAN/UPC – Product/Case 4030732667598 Numerator – packs per outer box 3 EAN/UPC – Case 403073266173	Temperature		_	
Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface Control interface Constant light output No Mechanical and Housing Housing material Polymethyl methacrylate Optic material Polymethyl methacrylate Polymethyl methacrylate Fixation material Steel Housing Colour White Control interface Maximum dim level 1% Suitable for random switching Not applicable Product Data Order product name 4MX850 491 LED40S/830 PSD A20 WH Full EOC 403073266759899 Full EOC 403073266759899 Alerial no. (12 NC) 910629161026 SAP numerator – quantity per pack 1 EAN/UPC – Product/Case Numerator – packs per outer box 3 EAN/UPC – Case 4030732266173 EAN/UPC – Case 4030732266173	Ambient temperature range	-20 to +35 °C	Application Conditions	
Dimmable Yes Diriver/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/lens material Steel Housing Colour White Diriver/power unit/transformer Power supply unit with DALI interface Product Data Order product name 4MX850 491 LED40S/830 PSD A20 WH Full product name 4MX850 491 LED40S/830 PSD A20 WH Full EOC 403073266759899 Order code 66759899 Material no. (12 NC) 910629161026 SAP numerator – quantity per pack 1 EAN/UPC – Product/Case Numerator – packs per outer box 3 EAN/UPC – Case 4030732266173			Performance ambient temperature Tq	25 ℃
Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Corder product name AMX850 491 LED40S/830 PSD A20 WH Full product name AMX850 491 LED40S/830 PSD A20 WH Full product name AMX850 491 LED40S/830 PSD A20 WH Full EOC 403073266759899 Material no. (12 NC) 910629161026 SAP numerator – quantity per pack 1 EAN/UPC – Product/Case Numerator – packs per outer box 3 EAN/UPC – Case Optical cover/lens finish Coverall length 1,478 mm	Controls and Dimming		Maximum dim level	1%
Control interface Constant light output No Order product name 4MX850 491 LED40S/830 PSD A20 WH Full product name 4MX850 491 LED40S/830 PSD A20 WH Full product name 4MX850 491 LED40S/830 PSD A20 WH Full EDC 403073266759899 Full EDC 403073266759899 Order code 66759899 Material no. (12 NC) 910629161026 SAP numerator – quantity per pack 1 Coptical cover/lens material Steel Fixation material Steel Housing Colour White Clear Optical cover/lens finish Clear Optical cover/lens finish Clear Overall length 1,478 mm	Dimmable	Yes	Suitable for random switching	Not applicable
Constant light output No Order product name #MX850 491 LED40S/830 PSD A20 WH Full product name #MX850 491 LED40S/830 PSD A20 WH #MRS50 4	Driver/power unit/transformer	Power supply unit with DALI interface		
Full product name 4MX850 491 LED40S/830 PSD A20 WH Mechanical and Housing Housing material Steel Order code 66759899 Reflector material - Material no. (12 NC) 910629161026 Optic material Polymethyl methacrylate SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 4030732667598 Housing Colour White EAN/UPC - Case 4030732266173 Optical cover/lens finish Clear Optical cover/lens finish 1,478 mm	Control interface	DALI	Product Data	
Mechanical and Housing Housing material Steel Order code Reflector material - Optic material Optic material Optical cover/lens material Polymethyl methacrylate Fixation material Steel Numerator – quantity per pack EAN/UPC – Product/Case Numerator – packs per outer box Fixation material Optical cover/lens finish Clear Optical cover/lens finish I,478 mm	Constant light output	No	Order product name	4MX850 491 LED40S/830 PSD A20 WH
Housing material Steel Order code Material no. (12 NC) 910629161026 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case Housing Colour White Optical cover/lens finish Clear Optical cover/lens finish 1,478 mm			Full product name	4MX850 491 LED40S/830 PSD A20 WH
Reflector material - Material no. (12 NC) 910629161026 Optic material Polymethyl methacrylate SAP numerator – quantity per pack 1 Optical cover/lens material Polymethyl methacrylate EAN/UPC – Product/Case 4030732667598 Numerator – packs per outer box 3 Housing Colour White EAN/UPC – Case 4030732266173 Optical cover/lens finish Clear Optical length 1,478 mm	Mechanical and Housing		Full EOC	403073266759899
Reflector material - Material no. (12 NC) 910629161026 Optic material Polymethyl methacrylate SAP numerator - quantity per pack 1 EAN/UPC - Product/Case 4030732667598 Fixation material Steel Numerator - packs per outer box 3 Housing Colour White EAN/UPC - Case 4030732266173 Optical cover/lens finish Clear Overall length 1,478 mm	Housing material	Steel	Order code	66759899
Optic material Polymethyl methacrylate SAP numerator – quantity per pack 1 Optical cover/lens material Polymethyl methacrylate EAN/UPC – Product/Case 4030732667598 Fixation material Steel Numerator – packs per outer box 3 Housing Colour White EAN/UPC - Case 4030732266173 Optical cover/lens finish Clear Overall length 1,478 mm			Material no. (12 NC)	910629161026
Optical cover/lens material Polymethyl methacrylate EAN/UPC — Product/Case 4030732667598 Fixation material Steel Numerator — packs per outer box 3 Housing Colour White EAN/UPC - Case 4030732266173 Optical cover/lens finish Clear Overall length 1,478 mm		Polymethyl methacrylate	SAP numerator – quantity per pack	1
Fixation material Steel Numerator – packs per outer box 3 Housing Colour White EAN/UPC - Case 4030732266173 Optical cover/lens finish Clear Overall length 1,478 mm	·		EAN/UPC — Product/Case	4030732667598
Housing Colour White EAN/UPC - Case 4030732266173 Optical cover/lens finish Clear Overall length 1,478 mm	· · · · · · · · · · · · · · · · · · ·	Steel	Numerator – packs per outer box	3
Optical cover/lens finish Clear Overall length 1,478 mm			EAN/UPC - Case	4030732266173
Overall length 1,478 mm			-	
	· · · · · · · · · · · · · · · · · · ·		_	
	Overall width	63 mm	_	

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Dimensional drawing



