# **PHILIPS** Lighting



# **Maxos LED**

# 4MX850 491 LED40S/830 PSU DA20 SI

Maxos Led Industry, LED module, system flux 4000 lm, 830 warm white, Power supply unit (On/Off), Double asymmetric optic 20°, 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 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]
Cap base	- [-]
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

## **Maxos LED**

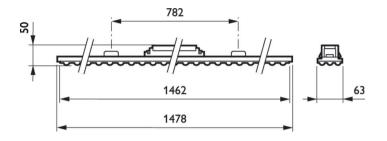
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	4,000 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	148 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
Optic 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	17.8 A
Inrush time	0.282 ms
Power Consumption	27 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type	e 24
В	
Temperature	
Ambient temperature range	-20 to +35 ℃
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	

Housing material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate

Housing ColourSilverOptical cover/lens finishClearOverall length1.478 mmOverall height50 mmOverall height50 mmDimensions (height x width x depth)50 x 63 x 1478 mmApproval and ApplicationIP20 [Finger-protected]Ingress protection codeIP20 [Finger-protected]Protection class IECSafety class IInitial Performance (IEC Compliant)Initial chromaticityLuminous flux tolerance+/-10%Over Time Performance (IEC Compliant)Over Time Performance (IEC Compliant)Control gear failure rate at median useful5 %Life 50,000 hIffe 50,000 hApplication ConditionsIS0Performance ambient temperature Tq25 °CSuitable for random switchingNot applicableProduct Data4MX850 491 LED405/830 PSU DA20 SIFull product name4MX850 491 LED405/830 PSU DA20 SIFull EOC40307326656299Order code6656299Material no. (12 NC)910629154526SAP numerator – quantity per pack1EAN/UPC – Product/Case4030732665662		
Optical cover/lens finishClearOverall length1.478 mmOverall width63 mmOverall width50 mmDimensions (height x width x depth)50 x 63 x 1478 mmApproval and ApplicationIP20 [Finger-protected]Ingress protection codeIP20 [Finger-protected]Mech. impact protection codeIK02 [0.2 J standard]Protection class IECSafety class IInitial Performance (IEC Compliant)Imitial chromaticityLuminous flux tolerance+/-10%Initial chromaticity(0.43, 0.40) SDCM <3.5	Fixation material	Steel
Overall length1.478 mmOverall width63 mmOverall height50 mmDimensions (height x width x depth)50 x 63 x 1478 mmApproval and ApplicationIrress protection codeIngress protection codeIP20 [Finger-protected]Mech. impact protection codeIK02 [0.2 J standard]Protection class IECSafety class IInitial Performance (IEC Compliant)Irress protection codeInitial chromaticity(0.43, 0.40) SDCM <3.5	Housing Colour	Silver
Overall width       63 mm         Overall height       50 mm         Dimensions (height x width x depth)       50 x 63 x 1478 mm         Approval and Application       IP20 [Finger-protected]         Ingress protection code       IP20 [C.2. J standard]         Protection class IEC       Safety class I         Initial Performance (IEC Compliant)       Initial chromaticity         Luminous flux tolerance       +/-10%         Initial chromaticity       (0.43, 0.40) SDCM <3.5	Optical cover/lens finish	Clear
Overall height       50 mm         Dimensions (height x width x depth)       50 x 63 x 1478 mm         Approval and Application       IP20 [Finger-protected]         Ingress protection code       IP20 [2.2 J standard]         Protection class IEC       Safety class I         Initial Performance (IEC Compliant)       Initial Performance (IEC Compliant)         Luminous flux tolerance       +/-10%         Initial chromaticity       (0.43, 0.40) SDCM <3.5	Overall length	1,478 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]         Protection class IEC       Safety class I         Initial Performance (IEC Compliant)       Initial chromaticity       (0.43, 0.40) SDCM <3.5	Overall width	63 mm
Approval and Application         Ingress protection code       IP20 [Finger-protected]         Mech. impact protection code       IK02 [0.2 J standard]         Protection class IEC       Safety class I         Initial Performance (IEC Compliant)       Iuminous flux tolerance         Luminous flux tolerance       +/-10%         Initial chromaticity       (0.43, 0.40) SDCM <3.5	Overall height	50 mm
Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK02 [0.2 J standard] Protection class IEC Safety class I Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% Initial chromaticity (0.43, 0.40) SDCM <3.5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Control gear failure rate at median useful 5% Iife 50,000 h Lumen maintenance at median useful L80 Life* 50,000 h Application Conditions Performance ambient temperature Tq 25 °C Suitable for random switching Not applicable Product Data Order product name 4MX850 491 LED40S/830 PSU DA20 SI Full product name 4MX850 491 LED40S/830 PSU DA20 SI Full product name 4MX850 491 LED40S/830 PSU DA20 SI Full EOC 403073266566299 Order code 66566299 Material no. (12 NC) 910629154526 SAP numerator – quantity per pack 1 EAN/UPC — Product/Case 4030732665662	Dimensions (height x width x depth)	50 x 63 x 1478 mm
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Power consumption tolerance       +/-10%         Over Time Performance (IEC Compliant)         Control gear failure rate at median useful       5 %         life 50,000 h         Lumen maintenance at median useful       L80         life* 50,000 h         Application Conditions         Performance ambient temperature Tq       25 °C         Suitable for random switching       Not applicable         Product Data       MX850 491 LED405/830 PSU DA20 SI         Full product name       4MX850 491 LED40S/830 PSU DA20 SI         Full product name       403073266566299         Order code       66566299         Material no. (12 NC)       910629154526         SAP numerator – quantity per pack       1         EAN/UPC — Product/Case       4030732665662         Numerator – packs per outer box       3	Luminous flux tolerance	+/-10%
Over Time Performance (IEC Compliant)         Control gear failure rate at median useful       5 %         life 50,000 h         Lumen maintenance at median useful       L80         life* 50,000 h         Application Conditions         Performance ambient temperature Tq       25 °C         Suitable for random switching       Not applicable         Product Data       MX850 491 LED405/830 PSU DA20 SI         Full product name       4MX850 491 LED405/830 PSU DA20 SI         Full product name       403073266566299         Order code       66566299         Material no. (12 NC)       910629154526         SAP numerator – quantity per pack       1         EAN/UPC — Product/Case       4030732665662         Numerator – packs per outer box       3	Initial chromaticity	(0.43, 0.40) SDCM <3.5
Control gear failure rate at median useful       5 %         life 50,000 h       Lumen maintenance at median useful       L80         life* 50,000 h       Solution         Application Conditions       Performance ambient temperature Tq       25 °C         Suitable for random switching       Not applicable         Product Data       MX850 491 LED40S/830 PSU DA20 SI         Full product name       4MX850 491 LED40S/830 PSU DA20 SI         Full EOC       403073266566299         Order code       66566299         Material no. (12 NC)       910629154526         SAP numerator – quantity per pack       1         EAN/UPC — Product/Case       4030732665662         Numerator – packs per outer box       3	Power consumption tolerance	+/-10%
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Application Conditions         Performance ambient temperature Tq       25 °C         Suitable for random switching       Not applicable         Product Data       Not applicable         Order product name       4MX850 491 LED40S/830 PSU DA20 SI         Full product name       4MX850 491 LED40S/830 PSU DA20 SI         Full product name       4MX850 491 LED40S/830 PSU DA20 SI         Full EOC       403073266566299         Order code       66566299         Material no. (12 NC)       910629154526         SAP numerator – quantity per pack       1         EAN/UPC – Product/Case       4030732665662         Numerator – packs per outer box       3	Control gear failure rate at median usefu life 50,000 h	ıl 5%
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### **Maxos LED**

#### Dimensional drawing





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