



Maxos LED

4MX850 491 LED40S/840 DIA WB WH C-2R

Maxos LED, Trunking light panel, 24 W, L1478 mm, 4000 lm, 4000 K, DALI, Interact Ready, Wide beam, White, IP20

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	
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Performance
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Unclassified

Light Technical	
Luminous Flux	4,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	166 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	90° x 100°
Unified glare rating CEN	Not applicable
Operating and Electrical	
Input Voltage	220 to 240 V

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Line Frequency	50 to 60 Hz
Inrush current	25 A
Inrush time	0.214 ms
Power Consumption	24 W
Power Factor (Fraction)	0.97
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B	21
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	7 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Dali dimming Interact System ready
Control interface	DALI
Constant light output	Programmable
DALI Standard	DALI-2™
Connectivity	Interact Ready
Embedded control	-

Mechanical and Housing

Housing Material	Metal
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	-
Fixation material	Steel
Housing Color	White
Optical cover finish	-
Reflector Finish	-
Overall length	1,478 mm
Overall width	63 mm
Overall height	50 mm
Dimensions (Height x Width x Depth)	50 x 63 x 1478 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Mounting	-
Net Weight (Piece)	2.050 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-

CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-20 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤4

Over Time Performance (IEC Compliant)

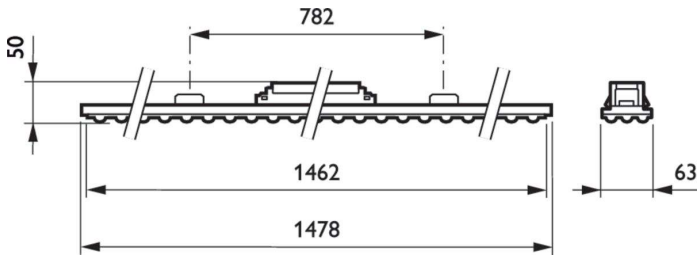
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Product Data

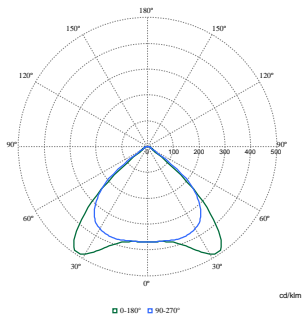
Order product name	4MX850 491 LED40S/840 DIA WB WH C-2R
Full product name	4MX850 491 LED40S/840 DIA WB WH C-2R
Full product code	872016962720899
Order code	910505105685
Material Nr. (12NC)	910505105685
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169627208
Numerator - Packs per outer box	3
EAN/UPC - Case	8720169627130
Product family code	4MX850 [Maxos Led Industry]

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Dimensional drawing



Photometric data



Polar Normal (separate) - 4MX8501 - 910505105685

