



Maxos LED inserts for TTX400

4MX400 581 LED80S/840 PSD WB WH

4MX400 | Maxos LED Retrofit for TTX400, LED80S | LED Module, system flux 8000 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, 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 inserts for TTX400 offer best-in-class energy savings while delivering high lux levels at the required colour temperatures and glare factors. The minimalistic Maxos LED Industry 4MX400 panel inserts for TTX400 comprise exchangeable mid-power LED boards to be mounted on a standard TTX400 trunking rail. A choice of wide, medium and double asymmetric 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: our upgradable LED engine platform makes Maxos LED Industry 4MX400 panel inserts for TTX400 a truly future-proof solution.

Product data

General Information	
Lamp family code	LED80S [LED Module, system flux 8000 lm]
Light source replaceable	No
Number of gear units	Unit
Gear	-
Driver included	Yes
Service Tag	Yes
Lighting Technology	LED

Value ladder	Performance
Warranty period	5 years
Light Technical	
Luminous Flux	8,000 lm
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	166 lm/W
Colour rendering index (CRI)	>80

Maxos LED inserts for TTX400

Number of light sources	1
Beam angle of light source	120 degree(s)
Light source colour	840 neutral white
Optic type	Wide beam
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	0.28 ms
Power Consumption	48 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB (16 A type B)	24
Suitable for random switching	Not applicable
Protection class IEC	Safety class I
Total harmonic distortion	7 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI standard	DALI-2™
Maximum dim level	1%

Mechanical and Housing

Housing material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	White
Optical cover/lens 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
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Optical cover type	Polymethyl methacrylate bowl/cover
Net Weight (Piece)	1.895 kg

Approval and Application

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

ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 °C
Remarks	* – According to the Lighting Europe guidance paper 'Evaluating the 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.

Ambient temperature range	-20 to +35 °C
---------------------------	---------------

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-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 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
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* 100000 h	L80

Sustainability Data

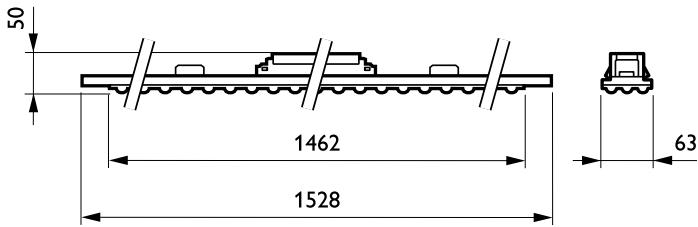
Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	25.5 kg CO _{2e}
Product non-virgin material ratio	25.5 %
Recyclable the content ratio of the finished product	49.9 %
GWP total B6 (kg CO _{2eq}) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kWh)
GWP total B6 (kg CO _{2eq}) Functional Unit	Please calculate using your local energy mix value: POWER DECLARED UNIT (kW) * 1000

Maxos LED inserts for TTX400

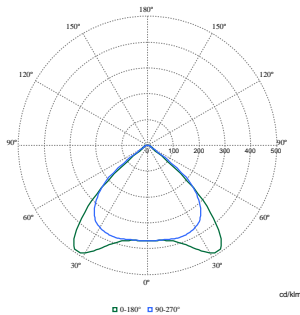
	(lm) / LUMEN OUTPUT DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO2 eq / kwh)
Product Data	
Order product name	4MX400 581 LED80S/840 PSD WB WH
Full product name	4MX400 581 LED80S/840 PSD WB WH
Full EOC	403073267280699
Order code	910629167326

Material no. (12 NC)	910629167326
Numerator – quantity per pack	1
EAN/UPC – Product/Case	4030732672806
Numerator – packs per outer box	3
EAN/UPC - Case	4030732273737
Product family code	4MX400 [Maxos LED Retrofit for TTX400]

Dimensional drawing



Photometric data



Polar Normal (separate) - 4MX400I - 910629167326

