PHILIPS Lighting



Maxos LED inserts for TTX400

4MX400 491 LED55S/830 PSD WB WH

Maxos LED Retrofit for TTX400, LED Module, system flux 5500 lm, Power supply unit with DALI interface, Wide beam

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	LED55S [LED Module, system flux 5500 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	4MX400 [Maxos LED Retrofit for TTX400]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes

Maxos LED inserts for TTX400

Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	5,200 lm
Correlated Colour Temperature	3000 K
uminous efficacy (rated) (nom.)	169 lm/W
Colour rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
Optic type	Wide beam
Optical cover type	Polymethyl methacrylate bowl/cover
uminaire light beam spread	90°
Jnified Glare Rating (CEN)	Not applicable
Operating and Electrical	
nput Voltage	220-240 V
ine Frequency	50 to 60 Hz
nrush current	21 A
nrush time	0.28 ms
ower Consumption	32.5 W
ower Factor (Fraction)	0.97
onnection	Connection unit 5-pole
able	-
Number of products on MCB of 16 A type	24
3	
Temperature	
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

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	1,474 mm
Overall width	63 mm
Overall height	50 mm
Dimensions (height x width x depth)	50 x 63 x 1474 mm

Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
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 %
life 50,000 h	
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful life*	L90
50,000 h	
Lumen maintenance at median useful life*	L80
100,000 h	

Application Conditions

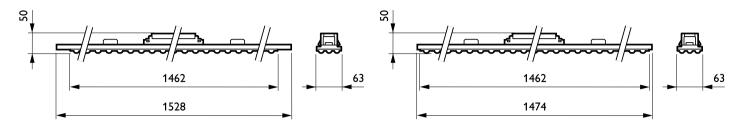
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable

Product Data

Troduct Data	
Order product name	4MX400 491 LED55S/830 PSD WB WH
Full product name	4MX400 491 LED55S/830 PSD WB WH
Full EOC	403073266246399
Order code	66246399
Material no. (12 NC)	910629123726
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	4030732662463
Numerator – packs per outer box	3
EAN/UPC - Case	4030732259472

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Dimensional drawing





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