Maxos LED inserts for TTX400

4MX433 491 LED55S/840 PSD WB WH ELB3C-2R

MAXOS LED FOR TTX400 EM 3H3S, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, Wide beam, Connector with 2 additional wires for light regulation, 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 color temperatures and glare factors. The minimalistic Maxos LED 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 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	1 unit
Gear	-
Driver included	Yes

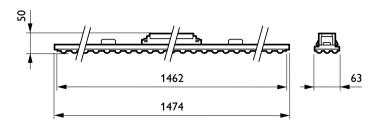|	
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.

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Service tag	Yes		**Optic material**	Polymethyl methacrylate
Product family code	4MX433 [MAXOS LED FOR TTX400 EM 3H3S]		**Optical cover material**	Polymethyl methacrylate
			Fixation material	Steel
Lighting Technology	LED		**Housing Color**	White
Value ladder	Performance		**Optical cover finish**	Clear
CE mark	Yes		**Overall length**	1,474 mm
Warranty period	5 years		**Overall width**	63 mm
Flammability mark	–		**Overall height**	50 mm
ENEC mark	ENEC mark		**Dimensions (Height x Width x Depth)**	50 x 63 x 1474 mm
Glow-wire test	Temperature 650 °C, duration 30 s			
EU RoHS compliant	Yes			

Light Technical

Luminous Flux	5,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Optical cover type	Polymethyl methacrylate bowl/cover
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	37 W
Power Factor (Fraction)	0.97
Connection	Connector with 2 additional wires for light regulation
Cable	–
Number of products on MCB of 16 A type B	24

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
Reflector material	–

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	(0.38, 0.38) SDCM <3.5
Power consumption tolerance	+/–10%

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 at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

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

Product Data

Order product name	4MX433 491 LED55S/840 PSD WB WH ELB3C-2R
Full product name	4MX433 491 LED55S/840 PSD WB WH ELB3C-2R
Full product code	871869697069099
Order code	910500460164
Material Nr. (12NC)	910500460164
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696970690
Numerator – Packs per outer box	3
EAN/UPC – Case	8718696971550

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Dimensional drawing

www.lighting.philips.com

2024, January 16 – data subject to change