Maxos LED inserts for TTX400

4MX433 491 LED66S/840 PSD WB WH ELB3

MAXOS LED FOR TTX400 EM 3H3S, LED module, system flux 6600 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 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	LED66S [LED module, system flux 6600 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.
Service tag	Yes
Product family code	4MX433 [MAXOS LED FOR TTX400 EM 3H3S]

Maxos LED inserts for TTX400

Lighting Technology	LED		Housing Color	White
Value ladder	Performance		Optical cover finish	Clear
CE mark	Yes		Overall length	1,478 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 1478 mm
Glow-wire test	Temperature 850 °C, duration 30 s			
EU RoHS compliant	Yes			

Light Technical

Luminous Flux	6,600 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	147 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
Initial CLO power consumption	– W
Average CLO power consumption	– W
Inrush current	21 A
Inrush time	0.28 ms
Power Consumption	45 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
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	–
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel

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
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

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* 35000 h	–
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 75000 h	–
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 LED66S/840 PSD WB WH ELB3
Full product name	4MX433 491 LED66S/840 PSD WB WH ELB3
Full product code	871869697066999
Order code	910500460161
Material Nr. (12NC)	910500460161
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696970669
Numerator – Packs per outer box	3
EAN/UPC – Case	8718696971529

Dimensional drawing

www.lighting.philips.com

2024, January 16 – data subject to change