



Maxos LED inserts for TTX400

4MX433 581 LED55S/840 PSD DA20 WH ELB3

4MX433 | MAXOS LED FOR TTX400 EM 3H3S, LED55S | LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, Double asymmetric optic 20°, White

Trunking light panel, L1528 mm, Steel, White, Power supply unit with DALI interface, 5500 lm, 36.5 W, 169 lm/W, 4000 K, (0.38, 0.38) SDCM <3.5, Double asymmetric optic 20°, Clear, Polymethyl methacrylate, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class I, Connection unit 5-pole, Emergency lighting 3 hours duration basic version

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
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years

Light Technical	
Luminous Flux	5,500 lm
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	169 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	Double asymmetric optic 20°
Luminaire light beam spread	20°
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

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Power Consumption	36.5 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 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 material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover 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)	2.605 kg

Emergency Operation

Rated duration of the emergency lighting (when fully charged)	3 hour(s)
Central Emergency	No
Emergency lighting	Emergency lighting 3 hours duration basic version
Emergency function testing method	Manual / Test button
Emergency lighting operation mode	Maintained

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	25 °C

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.
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 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* 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.

Product Data

Order product name	4MX433 581 LED55S/840 PSD DA20 WH ELB3
Full product name	4MX433 581 LED55S/840 PSD DA20 WH ELB3
Full product code	871869697076899
Order code	910500460171
Material Nr. (12NC)	910500460171
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696970768
Numerator - Packs per outer box	3
EAN/UPC - Case	8718696971628
Product family code	4MX433 [MAXOS LED FOR TTX400 EM 3H3S]

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Dimensional drawing

