PHILIPS Lighting



Maxos LED inserts for TTX400

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

MAXOS LED FOR TTX400 EM 3H3S, LED Module, system flux 5500 lm, 840 neutral white, Power supply unit with DALI interface, Narrow 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		Remarks	*-Per Lighting Europe guidance paper
Lamp family code	LED55S [LED Module, system flux 5500 lm]		"Evaluating performance of LED based
Light source replaceable	No		luminaires - January 2018": statistically there
Number of gear units	1 unit		is no relevant difference in lumen
Gear	-		maintenance between B50 and for example
Driver included	Yes		B10. Therefore, the median useful life (B50)
			value also represents the B10 value.

Maxos LED inserts for TTX400

Service tag	Yes
Product family code	4MX433 [MAXOS LED FOR TTX400 EM
	3H3S]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Ligh	t To	ch	nical	L

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	Narrow beam
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	50°
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	24
В	
Temperature	

Ambient temperature range

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	_

-20 to +35 °C

Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover 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	(0.38, 0.38) SDCM <3.5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Over Time Performance (IEC Comptie	ancj
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L90
50000 h	
Lumen maintenance at median useful life*	L80
100000 h	

Application Conditions

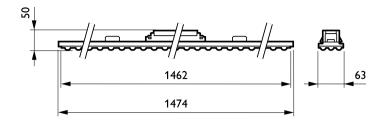
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable

Product Data

Order product name	4MX433 491 LED55S/840 PSD NB WH
	ELB3C-2R
Full product name	4MX433 491 LED55S/840 PSD NB WH
	ELB3C-2R
Full product code	871869697068399
Order code	910500460163
Material Nr. (12NC)	910500460163
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696970683
Numerator - Packs per outer box	3
EAN/UPC - Case	8718696971543

Maxos LED inserts for TTX400

Dimensional drawing





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