# **PHILIPS** Lighting



# Maxos LED inserts for TTX400

# 4MX433 491 LED66S/840 PSU DA20 WH

MAXOS LED FOR TTX400 EM 3H3S, LED module, system flux 6600 lm, 840 neutral white, Power supply unit (On/Off), Double asymmetric optic 20°, 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]
Cap-Base	- [-]
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.
Product family code	4MX433 [MAXOS LED FOR TTX400 EM
	3H3S]
Lighting Technology	LED
Value ladder	Performance

## Maxos LED inserts for TTX400

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
Light Technical	
Luminous Flux	6 600 lm

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   Double asymmetric optic 20°     Optical cover type   Polymethyl methacrylate bowl/cover	Light Technical	
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   Double asymmetric optic 20°     Optical cover type   Polymethyl methacrylate bowl/cover	Luminous Flux	6,600 lm
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°     Optical cover type   Polymethyl methacrylate bowl/cover	Correlated Color Temperature (Nom)	4000 K
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°     Optical cover type   Polymethyl methacrylate bowl/cover	Luminous Efficacy (rated) (Nom)	147 lm/W
Beam angle of light source   120 degree(s)     Light source color   840 neutral white     Optic type   Double asymmetric optic 20°     Optical cover type   Polymethyl methacrylate bowl/cover	Color rendering index (CRI)	≥80
Light source color 840 neutral white   Optic type Double asymmetric optic 20°   Optical cover type Polymethyl methacrylate bowl/cover	Number of light sources	1
Optic type Double asymmetric optic 20°   Optical cover type Polymethyl methacrylate bowl/cover	Beam angle of light source	120 degree(s)
Optical cover type     Polymethyl methacrylate bowl/cover	Light source color	840 neutral white
	Optic type	Double asymmetric optic 20°
Luminaire light beam spread 20°	Optical cover type	Polymethyl methacrylate bowl/cover
	Luminaire light beam spread	20°
Unified glare rating CEN Not applicable	Unified glare rating CEN	Not applicable

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]
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%

Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful	L80
life* 50000 h	

Application Conditions	
Performance ambient temperature Tq	25 °C
Suitable for random switching	Not applicable

#### Product Data

Product Data	
Order product name	4MX433 491 LED66S/840 PSU DA20 WH
Full product name	4MX433 491 LED66S/840 PSU DA20 WH
Full product code	871869697061499
Order code	910500460156
Material Nr. (12NC)	910500460156
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696970614
Numerator - Packs per outer box	3
EAN/UPC - Case	8718696971475

#### **Operating and Electrical**

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	17.8 A
Inrush time	0.282 ms
Power Consumption	45 W
Power Factor (Fraction)	0.9
Connection	Connection unit 5-pole
Cable	-
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Number of products on MCB of 16 A type 24

#### Temperature

Ambient temperature range

#### Controls and Dimming

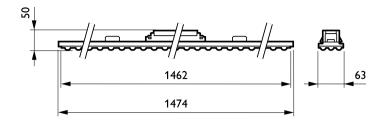
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	
Housing Material	Steel
Reflector material	-

-20 to +35 °C

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## Maxos LED inserts for TTX400

Dimensional drawing





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