## **PHILIPS** Lighting



### Maxos LED inserts for TTX400

#### 4MX400 581 LED40S/840 PSD NB WH

Maxos LED Retrofit for TTX400, LED module, system flux 4000 lm, 840 neutral white, Power supply unit with DALI interface, Narrow 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**

Remarks

# General Information Lamp family code LED40S [LED module, system flux 4000 lm] Light source replaceable No Number of gear units 1 unit Gear Driver included Yes

\*-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	4MX400 [Maxos LED Retrofit for TTX400]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes

#### Maxos LED inserts for TTX400

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	4,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	166 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	24 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 ℃

umber of products on MCB of 16 A type E	3 24	Ар
		Pe
emperature		Ma
mbient temperature range	-20 to +35 °C	Sui
ontrols and Dimming		Pr
mmable	Yes	Ore
river/power unit/transformer	Power supply unit with DALI interface	Ful
ontrol interface	DALI	Ful
onstant light output	No	Ore
		Ma
echanical and Housing		Nu
ousing Material	Steel	EA

Overall width	63 mm
Overall height	50 mm
Dimensions (Height x Width x Depth)	50 x 63 x 1528 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

White

Clear

1,528 mm

#### Initial Performance (IEC Compliant)

Housing Color

Overall length

Optical cover finish

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 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	

#### plication Conditions

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

#### oduct Data

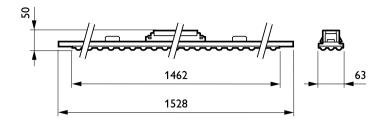
Troduct Bata	
Order product name	4MX400 581 LED40S/840 PSD NB WH
Full product name	4MX400 581 LED40S/840 PSD NB WH
Full product code	403073266251799
Order code	66251799
Material Nr. (12NC)	910629124226
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	4030732662517
Numerator - Packs per outer box	3
EAN/UPC - Case	4030732259526

mmable	
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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

#### Maxos LED inserts for TTX400

Dimensional drawing





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