# **PHILIPS** Lighting



# Maxos LED inserts for TTX400

# 4MX400 581 LED80S/840 PSD NB WH C-2R

Maxos LED Retrofit for TTX400, LED Module, system flux 8000 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	LED80S [LED Module, system flux 8000 lm]		"Evaluating performance of LED based
Light source replaceable	No		luminaires - January 2018": statistically
Number of gear units	1 unit		there 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	4MX400 [Maxos LED Retrofit for TTX400]
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
Light Technical	
Eight reenneut	
<u> </u>	8,000 lm
Luminous Flux	8,000 lm 4000 K
Luminous Flux Correlated Color Temperature (Nom)	.,
Luminous Flux Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom)	4000 K
Luminous Flux Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom) Color rendering index (CRI)	4000 K 166 lm/W
Luminous Flux Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom) Color rendering index (CRI) Number of light sources	4000 K 166 lm/W ≥80
Luminous Flux Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom) Color rendering index (CRI) Number of light sources Beam angle of light source	4000 K 166 lm/W ≥80 1
Luminous Flux Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom) Color rendering index (CRI) Number of light sources Beam angle of light source Light source color	4000 K 166 lm/W ≥80 1 120 degree(s)

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

#### 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)

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	4MX400 581 LED80S/840 PSD NB WH
	C-2R
Full product name	4MX400 581 LED80S/840 PSD NB WH
	C-2R
Full product code	871869697016499
Order code	910500460111
Material Nr. (12NC)	910500460111
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696970164
Numerator - Packs per outer box	3
EAN/UPC - Case	8718696971024

Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.28 ms
Power Consumption	48 W
Power Factor (Fraction)	0.97
Connection	Connector with 2 additional wires for light
	regulation
Cable	-

50°

Not applicable

220-240 V

Number of products on MCB of 16 A type B 24

Luminaire light beam spread Unified glare rating CEN

**Operating and Electrical** 

Input Voltage

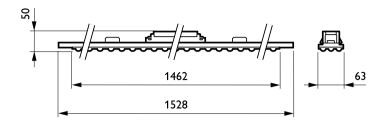
#### Temperature

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

## Maxos LED inserts for TTX400

Dimensional drawing





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