

# Maxos LED inserts for TTX400

## 4MX400 581 LED55S/830 PSD DA20 WH

Maxos LED Retrofit for TTX400, LED Module, system flux 5500 lm, 830 warm white, Power supply unit with DALI interface, 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 colour temperatures and glare factors. The minimalistic Maxos LED Industry 4MX400 panel 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 Industry 4MX400 panel inserts for TTX400 a truly future-proof solution.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED55S [LED Module, system flux 5500 lm] |
| **Light source replaceable** | No |
| **Number of gear units** | Unit |
| **Gear** | - |
| **Driver included** | Yes |
| **Remarks** | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| **Product family code** | 4MX400 [Maxos LED Retrofit for TTX400] |
| **Lighting Technology** | LED |

# Maxos LED inserts for TTX400

| | |
|---|---|
| **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

| | |
|---|---|
| **Luminous Flux** | 5,200 lm |
| **Correlated Colour Temperature** | 3000 K |
| **Luminous efficacy (rated) (nom.)** | 160 lm/W |
| **Colour rendering index (CRI)** | ≥80 |
| **Beam angle of light source** | 120 degree(s) |
| **Light source colour** | 830 warm white |
| **Optic type** | Double asymmetric optic 20° |
| **Optical cover type** | Polymethyl methacrylate bowl/cover |
| **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 |
| **Power Consumption** | 32.5 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 °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 |
| **Optical cover/lens material** | Polymethyl methacrylate |
| **Fixation material** | Steel |
| **Housing Colour** | White |
| **Optical cover/lens 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** | (0.43, 0.40) SDCM <3.5 |
| **Power consumption tolerance** | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50,000 h** | 5 % |
| **Control gear failure rate at median useful life 100,000 h** | 10 % |
| **Lumen maintenance at median useful life* 50,000 h** | L90 |
| **Lumen maintenance at median useful life* 100,000 h** | L80 |

## Application Conditions

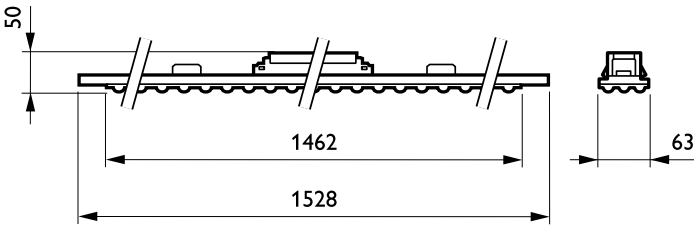
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 1% |
| **Suitable for random switching** | Not applicable |

## Product Data

| | |
|---|---|
| **Order product name** | 4MX400 581 LED55S/830 PSD DA20 WH |
| **Full product name** | 4MX400 581 LED55S/830 PSD DA20 WH |
| **Full EOC** | 403073266323199 |
| **Order code** | 66323199 |
| **Material no. (12 NC)** | 910629128826 |
| **SAP numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 4030732663231 |
| **Numerator – packs per outer box** | 3 |
| **EAN/UPC - Case** | 4030732260614 |

# Maxos LED inserts for TTX400

## Dimensional drawing




© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.