

# Maxos LED inserts for TTX400

## 4MX433 581 LED66S/840 PSD WB WH ELB3C-2R

MAXOS LED FOR TTX400 EM 3H3S, LED module, system flux 6600 lm, 840 neutral white, Power supply unit with DALI interface, Wide 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 | |
|---|---|
| **Lamp family code** | LED66S [LED module, system flux 6600 lm] |
| **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. |

# 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 |

## 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** | Wide beam |
| **Optical cover type** | Polymethyl methacrylate bowl/cover |
| **Luminaire light beam spread** | 90° |
| **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** | 45 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 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 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 life 50000 h** | 5 % |
| **Control gear failure rate at median useful life 100000 h** | 10 % |
| **Lumen maintenance at median useful life* 50000 h** | L90 |
| **Lumen maintenance at median useful life* 100000 h** | L80 |

## Application Conditions

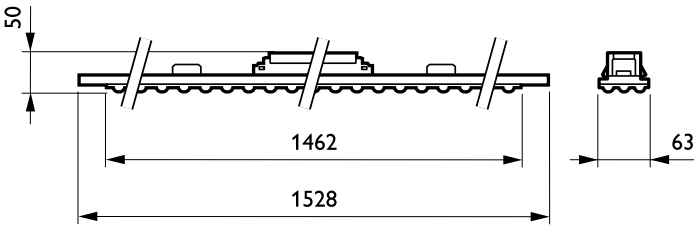
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 1% |
| **Suitable for random switching** | Not applicable |

## Product Data

| | |
|---|---|
| **Order product name** | 4MX433 581 LED66S/840 PSD WB WH ELB3C-2R |
| **Full product name** | 4MX433 581 LED66S/840 PSD WB WH ELB3C-2R |
| **Full product code** | 871869697090499 |
| **Order code** | 910500460185 |
| **Material Nr. (12NC)** | 910500460185 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718696970904 |
| **Numerator - Packs per outer box** | 3 |
| **EAN/UPC - Case** | 8718696971765 |

# Maxos LED inserts for TTX400

## Dimensional drawing




© 2024 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.