



# Maxos LED inserts for TTX400

## 4MX400 491 LED40S/840 PSU WB WH

Maxos LED Retrofit for TTX400, LED module, system flux 4000 lm, 840 neutral white, Power supply unit (On/Off), Wide 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

| General Information      |  |  |  |
|--------------------------|--|--|--|
| Lamp family code         | LED40S [LED module, system flux 4000 lm]                                     | 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. |  |
| Cap-Base                 | - [-]  |  |  |
| Light source replaceable | No   |  |  |
| Number of gear units     | 1 unit   |  |  |
| Gear                     | -  |  |  |
| Driver included          | Yes  |  |  |
| Remarks                  | *-Per Lighting Europe guidance paper<br>"Evaluating performance of LED based | 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)    | 160 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                           | 17.8 A                 |
| Inrush time                              | 0.282 ms               |
| Power Consumption                        | 25 W                   |
| Power Factor (Fraction)                  | 0.9                    |
| Connection                               | Connection unit 3-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                      | No                         |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| 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                      | 1,474 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%                 |

### Over Time Performance (IEC Compliant)

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

### Application Conditions

|                                    |                |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C          |
| Suitable for random switching      | Not applicable |

### Product Data

|                                 |                                 |
|---------------------------------|---------------------------------|
| Order product name              | 4MX400 491 LED40S/840 PSU WB WH |
| Full product name               | 4MX400 491 LED40S/840 PSU WB WH |
| Full product code               | 403073266577899                 |
| Order code                      | 910629155626                    |
| Material Nr. (12NC)             | 910629155626                    |
| Numerator - Quantity Per Pack   | 1                               |
| EAN/UPC - Product/Case          | 4030732665778                   |
| Numerator - Packs per outer box | 3                               |
| EAN/UPC - Case                  | 4030732263929                   |

## Maxos LED inserts for TTX400

### Dimensional drawing

