



# Maxos LED inserts for TTX400

## 4MX400 491 LED55S/840 PSU WB WH

Maxos LED Retrofit for TTX400, LED Module, system flux 5500 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 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      |                                          | Remarks                                                                                                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lamp family code         | LED55S [LED Module, system flux 5500 lm] | *- 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. |
| Cap base                 | - [-]                                    |                                                                                                                                                                                                                                                                                                                |
| Light source replaceable | No                                       |                                                                                                                                                                                                                                                                                                                |
| Number of gear units     | Unit                                     |                                                                                                                                                                                                                                                                                                                |
| Gear                     | -                                        |                                                                                                                                                                                                                                                                                                                |
| Driver included          | Yes                                      |                                                                                                                                                                                                                                                                                                                |

## Maxos LED inserts for TTX400

|                     |                                        |
|---------------------|----------------------------------------|
| 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

|                                  |                                    |
|----------------------------------|------------------------------------|
| Luminous Flux                    | 5,500 lm                           |
| Correlated Colour Temperature    | 4000 K                             |
| Luminous efficacy (rated) (nom.) | 167 lm/W                           |
| Colour rendering index (CRI)     | ≥80                                |
| Beam angle of light source       | 120 degree(s)                      |
| Light source colour              | 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                        | 33 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/lens material         | Polymethyl methacrylate |
| Fixation material                   | Steel                   |
| Housing Colour                      | White                   |
| Optical cover/lens 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 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h        | L80 |

### Application Conditions

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

### Product Data

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Order product name                | 4MX400 491 LED55S/840 PSU WB WH |
| Full product name                 | 4MX400 491 LED55S/840 PSU WB WH |
| Full EOC                          | 403073266583999                 |
| Order code                        | 66583999                        |
| Material no. (12 NC)              | 910629156226                    |
| SAP numerator – quantity per pack | 1                               |
| EAN/UPC – Product/Case            | 4030732665839                   |
| Numerator – packs per outer box   | 3                               |
| EAN/UPC - Case                    | 4030732263981                   |

## Maxos LED inserts for TTX400

### Dimensional drawing

