



# Maxos LED inserts for TTX400

## 4MX416 581 LED55S/840 PSD WB WH C-2R

MAXOS LED FOR TTX400 EM 1H6S, LED Module, system flux 5500 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      |  | Remarks  |
|--------------------------|--|--|
| Lamp family code         | LED55S [LED Module, system flux 5500 lm] | *-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 |
| Cap-Base                 | - [-]                                    |  |
| Light source replaceable | No                                       |  |
| Number of gear units     | 1 unit                                   |  |
| Gear                     | -  |  |
| Driver included          | Yes                                      |  |

## Maxos LED inserts for TTX400

|                     |   |
|---------------------|---|
|                     | life (B50) value also represents the B10 value. |
| Service tag         | Yes   |
| Product family code | 4MX416 [MAXOS LED FOR TTX400 EM 1H6S]           |
| Lighting Technology | LED   |
| Value ladder        | Performance                                     |
| CE mark             | Yes   |
| Warranty period     | 5 years   |
| Flammability mark   | -   |
| ENEC mark           | ENEC mark                                       |
| Glow-wire test      | Temperature 850 °C, duration 30 s               |
| EU RoHS compliant   | Yes   |

### Light Technical

|                                    |                                    |
|------------------------------------|------------------------------------|
| Luminous Flux                      | 5,500 lm                           |
| Saturated Red (R9)                 | <50                                |
| Correlated Color Temperature (Nom) | 4000 K                             |
| Luminous Efficacy (rated) (Nom)    | 149 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  |
| Initial CLO power consumption            | – W  |
| Average CLO power consumption            | – W  |
| Inrush current                           | 21 A   |
| Inrush time                              | 0.28 ms  |
| Power Consumption                        | 37 W   |
| Power Factor (Fraction)                  | 0.9  |
| 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]                          |
| Protection class IEC         | Safety class I                                 |
| Photobiological risk         | Photobiological risk group 0 @200mm to EN62778 |

### 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* 35000 h        | –   |
| Lumen maintenance at median useful life* 50000 h        | L80 |
| Lumen maintenance at median useful life* 75000 h        | –   |
| Lumen maintenance at median useful life* 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            | 4MX416 581 LED55S/840 PSD WB WH C-2R |
| Full product name             | 4MX416 581 LED55S/840 PSD WB WH C-2R |
| Full product code             | 871869697052299                      |
| Order code                    | 910500460147                         |
| Material Nr. (12NC)           | 910500460147                         |
| Numerator – Quantity Per Pack | 1                                    |
| EAN/UPC – Product/Case        | 8718696970522                        |

# Maxos LED inserts for TTX400

|                                 |               |
|---------------------------------|---------------|
| Numerator - Packs per outer box | 3             |
| EAN/UPC - Case                  | 8718696971383 |

## Dimensional drawing

