



# EcoStyle

## ST440S LED27S/840 PSU MB WH

EcoStyle track mounting, 840 neutral white, Power supply unit (On/Off), Medium beam, Safety class II, White

Retailers are looking for an affordable LED accent-lighting solution with a reasonable payback compared to conventional technologies. Now, thanks to EcoStyle, they need look no further. With a LED light source and dedicated reflector system, EcoStyle delivers powerful, good-quality accent lighting, enabling retailers to display their merchandise in the best possible light. For food and fashion retailers, EcoStyle is available with special light recipes to further enhance the store ambiance and to show the produce and goods on offer in the very best light: Fresh Food Champagne is the perfect LED solution for displaying fruit, vegetables, cheese, bread and pastries in a warm lighting ambiance; Fresh Food Meat creates the best light setting for meat enhancement in a cool natural ambiance; CrispWhite is the clear choice for fashion retailers to make colors appear rich and intense while keeping whites bright. The track-mounted EcoStyle is also available in a choice of black or white finish. And the combination of efficient LED technology and an innovative heatsink ensures that this is a reliable, lasting solution.

### Product data

| General Information      |   |                     |  |
|--------------------------|---|---------------------|--|
| Light source replaceable | No  |                     | useful life (B50) value also represents the B10 value. |
| Number of gear units     | Unit  | Product family code | ST440T [EcoStyle track mounting]                       |
| Driver included          | Yes   | Lighting Technology | LED  |
| 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 | CE mark             | Yes  |
|                          |   | Warranty period     | 5 years  |
|                          |   | Flammability mark   | For mounting on normally flammable surfaces            |
|                          |   | ENEC mark           | ENEC mark  |
|                          |   | Glow-wire test      | Temperature 650 °C, duration 5 s                       |

|                   |     |
|-------------------|-----|
| EU RoHS compliant | Yes |
|-------------------|-----|

#### Light Technical

|                                  |                         |
|----------------------------------|-------------------------|
| Luminous Flux                    | 2,800 lm                |
| Correlated Colour Temperature    | 4000 K                  |
| Luminous efficacy (rated) (nom.) | 119.14893617021276 lm/W |
| Colour rendering index (CRI)     | 80                      |
| Beam angle of light source       | 120 degree(s)           |
| Light source colour              | 840 neutral white       |
| Optic type                       | Medium beam             |
| Luminaire light beam spread      | 20°                     |

#### Operating and Electrical

|  |              |
|--|--------------|
| Input Voltage                            | 220 to 240 V |
| Line Frequency                           | 50 to 60 Hz  |
| Inrush current                           | 18 A         |
| Inrush time                              | 0.25 ms      |
| Power Consumption                        | 23.5 W       |
| Power Factor (Fraction)                  | 0.95         |
| Connection                               | -            |
| Cable                                    | -            |
| Number of products on MCB of 16 A type B | 34           |

#### Temperature

|                           |             |
|---------------------------|-------------|
| Ambient temperature range | 0 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            | Polycarbonate               |
| Reflector material          | Aluminium and polycarbonate |
| Optic material              | Polycarbonate               |
| Optical cover/lens material | Polymethyl methacrylate     |
| Fixation material           | Polyamide                   |
| Housing Colour              | White                       |

|                                     |                    |
|-------------------------------------|--------------------|
| Optical cover/lens finish           | Clear              |
| Overall length                      | 175 mm             |
| Overall width                       | 112 mm             |
| Overall height                      | 200 mm             |
| Dimensions (height x width x depth) | 200 x 112 x 175 mm |

#### Approval and Application

|                              |                         |
|------------------------------|-------------------------|
| Ingress protection code      | IP20 [Finger-protected] |
| Mech. impact protection code | IK02 [0.2 J standard]   |
| Protection class IEC         | Safety class II         |

#### Initial Performance (IEC Compliant)

|                             |                      |
|-----------------------------|----------------------|
| Luminous flux tolerance     | +/-10%               |
| Initial chromaticity        | (0.38, 0.38) SDCM <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      | No    |

#### Product Data

|                                   |                             |
|-----------------------------------|-----------------------------|
| Order product name                | ST440S LED27S/840 PSU MB WH |
| Full product name                 | ST440S LED27S/840 PSU MB WH |
| Full EOC                          | 871869917845100             |
| Order code                        | 17845100                    |
| Material no. (12 NC)              | 910500465055                |
| SAP numerator – quantity per pack | 1                           |
| EAN/UPC – Product/Case            | 8718699178451               |
| Numerator – packs per outer box   | 1                           |
| EAN/UPC - Case                    | 8718699178451               |

## Dimensional drawing

