# **PHILIPS** Lighting



## ProAir

### ST640T LED27S/930 PSU WB WH

ProAir, Generation 2, LED Module, system flux 2700 lm, 930 warm white, Power supply unit (On/Off), Wide beam, White

Store designers want a spot that fits in with their store design. Visual merchandisers need the very best light quality and spots that are easily adjustable. And maintenance managers and green champions want to reduce energy consumption and maintenance costs. ProAir offers store designers a LED spot with an elegant and compact design that they can customize to suit their needs. It gives visual merchandisers great rendering of colors and whites and excellent color consistency, as well as well-defined, clean beams for maximum impact. All versions of ProAir offer low maintenance and energy consumption.

#### **Product data**

| General Information      |   |
|--------------------------|---|
| Lamp family code         | LED27S [LED Module, system flux 2700 lm]        |
| Light source replaceable | No  |
| Number of gear units     | 1 unit  |
| 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.            |
| Product family code      | ST640T [ProAir]                                 |
| Lighting Technology      | LED   |
| 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                      | 2,700 lm                                    |  |
| Correlated Color Temperature (Nom) | 3000 K                                      |  |
| Luminous Efficacy (rated) (Nom)    | 105.88235294117646 lm/W                     |  |
| Color rendering index (CRI)        | ≥90   |  |
| Number of light sources            | 1   |  |
| Beam angle of light source         | 120 degree(s)                               |  |
| Light source color                 | 930 warm white                              |  |
| Optic type                         | Wide beam                                   |  |
| Optical cover type                 | -   |  |
|                                    |   |  |

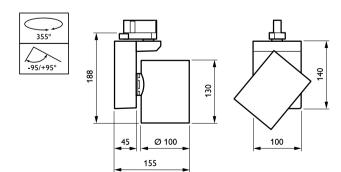
#### **ProAir**

| Luminaire light beam spread       | 33°                        | Dimensions (Height x Width x Depth)     |
|-----------------------------------|----------------------------|---|
| Operating and Electrical          |                            | Approval and Application                |
| Input Voltage                     | 220 to 240 V               | Ingress protection code                 |
| Line Frequency                    | 50 to 60 Hz                | Mech. impact protection code            |
| Inrush current                    | 18 A                       | Protection class IEC                    |
| Inrush time                       | 0.250 ms                   |   |
| Power Consumption                 | 25.5 W                     | Initial Performance (IEC Complian       |
| Power Factor (Fraction)           | 0.9                        | Luminous flux tolerance                 |
| Connection                        | -                          | Initial chromaticity                    |
| Cable                             | -                          | Power consumption tolerance             |
| Number of products on MCB of 16 A | <b>type</b> 34             |   |
| В                                 |                            | Over Time Performance (IEC Com          |
|                                   |                            | Control gear failure rate at median use |
| Temperature                       |                            | life 50000 h                            |
| Ambient temperature range         | +10 to +40 °C              | Lumen maintenance at median useful      |
|                                   |                            | life* 50000 h                           |
| Controls and Dimming              |                            |   |
| Dimmable                          | No                         | Application Conditions                  |
| Driver/power unit/transformer     | Power supply unit (On/Off) | Performance ambient temperature Tq      |
| Control interface                 | -                          | Suitable for random switching           |
| Constant light output             | No                         |   |
|                                   |                            | Product Data                            |
| Mechanical and Housing            |                            | Order product name                      |
| Housing Material                  | Aluminum                   | Full product name                       |
| Reflector material                | Polycarbonate              | Full product code                       |
| Optic material                    | Polycarbonate              | Order code                              |
| Optical cover material            | Polymethyl methacrylate    | Material Nr. (12NC)                     |
| Fixation material                 | -                          | Numerator - Quantity Per Pack           |
| Housing Color                     | White                      | EAN/UPC - Product/Case                  |
| Optical cover finish              | Clear                      | Numerator - Packs per outer box         |
| Overall length                    | 161 mm                     | EAN/UPC - Case                          |
| Overall width                     | 100 mm                     |   |
| Overall height                    | 211 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                           | (0.43, 0.40) SDCM <3        |  |
| Power consumption tolerance                    | +/-10%                      |  |
|  |                             |  |
| Over Time Performance (IEC Compliant)          |                             |  |
| Control gear failure rate at median useful 5 % |                             |  |
| life 50000 h                                   |                             |  |
| Lumen maintenance at median useful             | L80                         |  |
| life* 50000 h                                  |                             |  |
|  |                             |  |
| Application Conditions                         |                             |  |
| Performance ambient temperature Tq             | 25 ℃                        |  |
| Suitable for random switching                  | Yes                         |  |
|  |                             |  |
| Product Data                                   |                             |  |
| Order product name                             | ST640T LED27S/930 PSU WB WH |  |
| Full product name                              | ST640T LED27S/930 PSU WB WH |  |
| Full product code                              | 871869687765400             |  |
| Order code                                     | 910500458486                |  |
| Material Nr. (12NC)                            | 910500458486                |  |
| Numerator - Quantity Per Pack                  | 1                           |  |
| EAN/UPC - Product/Case                         | 8718696877654               |  |
| Numerator - Packs per outer box                | 1                           |  |
| EAN/UPC - Case                                 | 8718696877654               |  |
|  |                             |  |

211 x 100 x 161 mm

#### Dimensional drawing



#### **ProAir**



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