



ProAir

ST640T LED27S/930 PSD-VLC MB WH

ProAir, Generation 2, LED Module, system flux 2700 lm, 930 warm white, Power supply unit (On/Off), Medium 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 | | Flammability mark | |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------|
| Lamp family code | LED27S [LED Module, system flux 2700 lm] | ENEC mark | For mounting on normally flammable surfaces |
| Light source replaceable | No | Glow-wire test | Temperature 650 °C, duration 5 s |
| Number of gear units | 1 unit | EU RoHS compliant | Yes |
| Driver included | Yes | Light Technical | |
| 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. | Luminous Flux | 2700 lm |
| Product family code | ST640T [ProAir] | Correlated Color Temperature (Nom) | 3000 K |
| Lighting Technology | LED | Luminous Efficacy (rated) (Nom) | 105.88235294117646 lm/W |
| CE mark | Yes | Color rendering index (CRI) | ≥90 |
| Warranty period | 5 years | Number of light sources | 1 |
| | | Beam angle of light source | 120 degree(s) |
| | | Light source color | 930 warm white |
| | | Optic type | Medium beam |
| | | Optical cover type | - |

| | |
|-----------------------------|-----|
| Luminaire light beam spread | 22° |
|-----------------------------|-----|

Operating and Electrical

| | |
|------------------------------------------|--------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 20.4 A |
| Inrush time | 0.195 ms |
| Power Consumption | 25.5 W |
| Power Factor (Fraction) | 0.9 |
| Connection | - |
| Cable | - |
| Number of products on MCB of 16 A type B | 24 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | +10 to +40 °C |
|---------------------------|---------------|

Controls and Dimming

| | |
|-------------------------------|----------------------------|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | DALI |
| Constant light output | No |

Mechanical and Housing

| | |
|-------------------------------------|-------------------------|
| Housing Material | Aluminum |
| Reflector material | Polycarbonate |
| Optic material | Polycarbonate |
| Optical cover material | Polymethyl methacrylate |
| Fixation material | - |
| Housing Color | White |
| Optical cover finish | Clear |
| Overall length | 161 mm |
| Overall width | 100 mm |
| Overall height | 211 mm |
| Dimensions (Height x Width x Depth) | 211 x 100 x 161 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)

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|-----------------------------|----------------------|
| 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 life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L80 |

Application Conditions

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|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | Yes |

Product Data

| | |
|---------------------------------|---------------------------------|
| Order product name | ST640T LED27S/930 PSD-VLC MB WH |
| Full product name | ST640T LED27S/930 PSD-VLC MB WH |
| Full product code | 871869687764700 |
| Order code | 910500458485 |
| Material Nr. (12NC) | 910500458485 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696877647 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696877647 |

Dimensional drawing



