



ProAir

ST640T LED49S/830 PSU MB WH

ProAir, Generation 2, LED module, system flux 4900 lm, 830 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 | |
|--------------------------|---|
| Lamp family code | LED49S [LED module, system flux 4900 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 | 4,900 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 122.5 lm/W |
| Color rendering index (CRI) | ≥80 |
| Number of light sources | 1 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 830 warm white |
| Optic type | Medium beam |
| | |

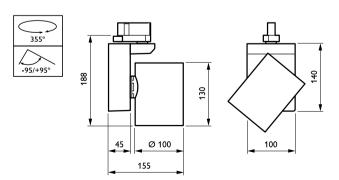
Datasheet, 2023, September 4 data subject to change

ProAir

| Optical cover type | - |
|--|----------------------------|
| Luminaire light beam spread | 28° |
| | |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 18 A |
| Inrush time | 0.250 ms |
| Power Consumption | 40 W |
| Power Factor (Fraction) | 0.9 |
| Connection | - |
| Cable | - |
| Number of products on MCB of 16 A type | 30 |
| В | |
| | |
| Temperature | |
| Ambient temperature range | +10 to +40 °C |
| | |
| Controls and Dimming | |
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | - |
| 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) | |
| 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 life | 1 L80 |
| | |
| 50000 h | |
| 50000 h | |
| Application Conditions | |
| | 25 °C |
| Application Conditions | 25 °C Yes |
| Application Conditions Performance ambient temperature Tq | |
| Application Conditions Performance ambient temperature Tq | |
| Application Conditions Performance ambient temperature Tq Suitable for random switching | |
| Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data | Yes |
| Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name | Yes ST640T LED49S/830 PSU MB WH |
| Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name | Yes ST640T LED49S/830 PSU MB WH ST640T LED49S/830 PSU MB WH |
| Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code | Yes ST640T LED49S/830 PSU MB WH ST640T LED49S/830 PSU MB WH 871869691800500 |
| Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code | Yes ST640T LED49S/830 PSU MB WH ST640T LED49S/830 PSU MB WH 871869691800500 910500458867 |
| Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) | Yes ST640T LED49S/830 PSU MB WH ST640T LED49S/830 PSU MB WH 871869691800500 910500458867 910500458867 |
| Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack | Yes ST640T LED49S/830 PSU MB WH ST640T LED49S/830 PSU MB WH 871869691800500 910500458867 910500458867 1 |

Dimensional drawing



ProAir



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