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

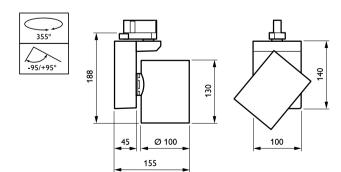|	
Luminous Flux	2,700 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	105.88235294117646 lm/W
Color rendering index (CRI)	≥90
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	930 warm white
Optic type	Wide beam
Optical cover type	–

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Luminaire light beam spread	33°

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	25.5 W
Power Factor (Fraction)	0.9
Connection	–
Cable	–
Number of products on MCB of 16 A type B	34

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

Application Conditions

Performance ambient temperature Tq	25 °C
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

Dimensional drawing

ProAir

www.lighting.philips.com

2023, September 4 – data subject to change