PHILIPS Lighting



ProAir

ST640T LED27S/930 PSU 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	
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	Medium beam	
Optical cover type	-	

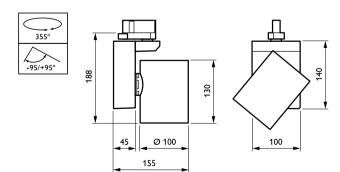
ProAir

Luminaire light beam spread	22°	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 Compliar
Power Factor (Fraction)	0.9	Luminous flux tolerance
Connection	-	Initial chromaticity
Cable	-	Power consumption tolerance
Number of products on MCB of 16 A	type 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 MB WH	
Full product name	ST640T LED27S/930 PSU MB WH	
Full product code	871869687687900	
Order code	910500458483	
Material Nr. (12NC)	910500458483	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696876879	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696876879	

211 x 100 x 161 mm

Dimensional drawing



ProAir



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, September 4 - data subject to change