PHILIPS Lighting



ProAir

ST640T LED27S/830 PSU MB WH

ProAir, Generation 2, LED Module, system flux 2700 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	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

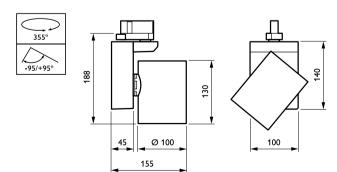
Flammability mark	For mounting on normally flammable	
	surfaces	
ENEC mark	ENEC mark	
Glow-wire test	Temperature 650 °C, duration 5 s	
EU RoHS compliant	Yes	
Light Technical		
Luminous Flux	2,700 lm	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	120 lm/W	
Color rendering 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	

ProAir

Optical cover type	-	Dimensions
Luminaire light beam spread	22°	
		Approval a
Operating and Electrical		Ingress prote
Input Voltage	220 to 240 V	Mech. impac
Line Frequency	50 to 60 Hz	Protection c
Inrush current	18 A	
Inrush time	0.250 ms	Initial Perf
Power Consumption	22.5 W	Luminous flu
Power Factor (Fraction)	0.9	Initial chrom
Connection	-	Power consu
Cable	-	
Number of products on MCB of 16 A type	34	Over Time
В		Control gear
		life 50000 h
Temperature		Lumen main
Ambient temperature range	+10 to +40 °C	50000 h
Controls and Dimming		Applicatio
Dimmable	No	Performance
Driver/power unit/transformer	Power supply unit (On/Off)	Suitable for
Control interface	-	
Constant light output	No	Product Da
		Order produ
Mechanical and Housing		Full product
Housing Material	Aluminum	Full product
Reflector material	Polycarbonate	Order code
Optic material	Polycarbonate	Material Nr.
Optical cover material	Polymethyl methacrylate	Numerator -
Fixation material	-	EAN/UPC -
Housing Color	White	Numerator -
Optical cover finish	Clear	EAN/UPC -
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*	L80	
50000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Suitable for random switching	Yes	
Product Data		
Order product name	ST640T LED27S/830 PSU MB WH	
Full product name	ST640T LED27S/830 PSU MB WH	
Full product code	871869687686200	
Order code	910500458481	
Material Nr. (12NC)	910500458481	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696876862	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696876862	

Dimensional drawing



ProAir



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