



# 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		Flammability mark	
Lamp family code	LED49S [LED module, system flux 4900 lm]	For mounting on normally flammable surfaces	
Light source replaceable	No	ENEC mark	
Number of gear units	1 unit	Glow-wire test	
Driver included	Yes	Temperature 650 °C, duration 5 s	
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.	EU RoHS compliant	
Product family code	ST640T [ProAir]	Yes	
Lighting Technology	LED	Light Technical	
CE mark	Yes	Luminous Flux	4,900 lm
Warranty period	5 years	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

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 B	30

Temperature

Ambient temperature range	+10 to +40 °C
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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
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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 LED49S/830 PSU MB WH
Full product name	ST640T LED49S/830 PSU MB WH
Full product code	871869691800500
Order code	910500458867
Material Nr. (12NC)	910500458867
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696918005
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696918005

Dimensional drawing



