



# ProAir

## ST640T LED20S/930 PSU NB10 WH

ProAir - Generation 2 - LED Module, system flux 2000 lm - 930 warm white - Power supply unit - Narrow beam angle 10° - 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			
Number of light sources	1 pc	Cable	-
Lamp family code	LED20S [ LED Module, system flux 2000 lm]	Protection class IEC	Safety class I
Beam angle of light source	120 °	Mounting	-
Light source color	930 warm white	Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	1 unit	CE mark	CE mark
Driver/power unit/transformer	Power supply unit	ENEC mark	ENEC mark
Driver included	Yes	Warranty period	5 years
Optic type	Narrow beam angle 10°	Glare shielding accessories	-
Optical cover/lens type	-	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
Luminaire light beam spread	10°		
Control interface	-		
Connection	-		

	B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type B	34
RoHS mark	RoHS mark
Product family code	ST640T [ ProAir]

## Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Inrush current	18 A
Inrush time	0.250 ms
Power Factor (Min)	0.9

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	-
Optical cover/lens finish	Clear
Overall length	161 mm
Overall width	100 mm
Overall height	211 mm
Color	White

## Approval and Application

Ingress protection code	IP20 [ Finger-protected]
Mech. impact protection code	IK02 [ 0.2 J standard]

## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	2000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	93.02325581395348 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥90
Initial chromaticity	(0.43, 0.40) SDCM <3
Initial input power	21.5 W
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

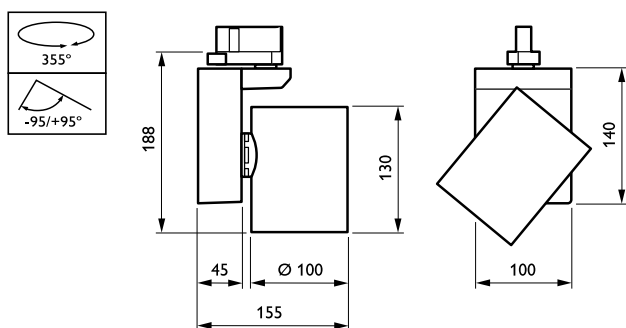
## Application Conditions

Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

## Product Data

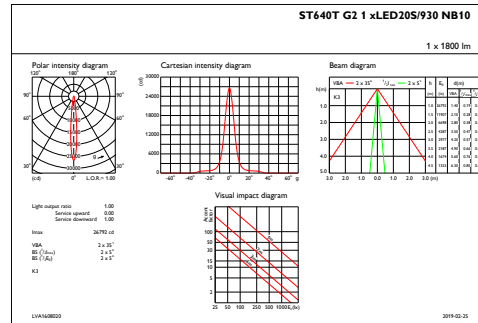
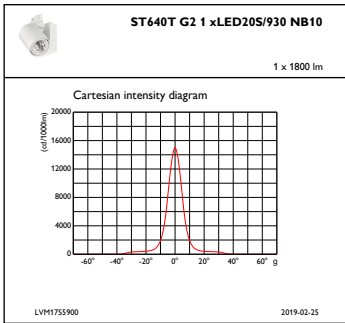
Full product code	871869687682400
Order product name	ST640T LED20S/930 PSU NB10 WH
EAN/UPC - Product	8718696876824
Order code	910500458472
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910500458472
Net Weight (Piece)	1.445 kg

## Dimensional drawing



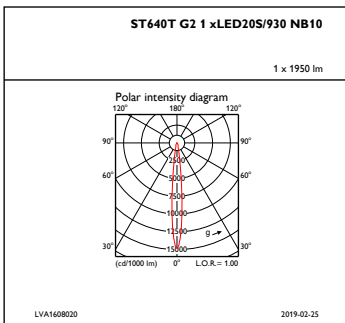
ProAir ST640T

Photometric data



IFCC1\_ST640TG21xLED20S930NB10

IFAS1\_ST640TG21xLED20S930NB10



IFPC1\_ST640TG21xLED20S930NB10

