



ProAir – an unrivaled combination of light quality and efficiency

ProAir

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.

Benefits

- Best-in-class efficiency
- Attractive design that blends in with the store architecture

Features

- Elegant, compact design – customizable
- Great rendering of colors and whites and excellent color consistency
- Clean, well-defined beams
- Low maintenance and energy consumption

Application

- Shops
- Hotels
- Offices

Specifications

ProAir

Type	ST640T
Light source	Non-replaceable LED module
Power	16 W (LED17S) 26.5 W (LED20S) 25 W (LED27S) 35 W (LED39S) 48 W (LED49S)
Beam angle	NB (10, 18°), MB and WB
Luminous flux (light color 830)	NB: 2000 lm MB, WB: 1700, 2700, 3900 and 4900 lm
Correlated Color Temperature	3000 K
Color Rendering Index	80 90 92 (CrispWhite, PremiumWhite version)
Standard deviation color matching	3
Median useful life L70B50	70,000 hours
Median useful life L80B50	50,000 hours

Median useful life L90B50	25,000 hours
Average ambient temperature	+25 °C
Operating temperature range	+10 to +40 °C
Driver	Built-in
Mains voltage	230 or 240 V / 50-60 Hz
Dimming	DALI-dimmable version available
Material	Housing: die-cast aluminum Gearbox: folded metal
Color	Black (BL, RAL9004) White (WH, RAL9003)
Optic	Reflectors in silver-coated plastic
Optical cover	Curved glass (NB versions) Acrylic cover (MB and WB versions)
Connection	3-C track adaptor (standard versions) or 5C6 tracks adaptor (DALI-dimmable versions)
Installation	On 3-circuit track On DALI track
Accessories	Glare shield (GS), honeycomb (HC), skirt (SK), aiming pole

Versions



ProAir - Generation 2 - LED Module, system flux 1500 lm



ProAir ST640T projector with LED light source

Product details



ProAir

Product details



IPDP_ST640Ti_0005-Detail photo



IPDP_ST640Ti_0007-Detail photo



IPDP_ST640Ti_0011-Detail photo



Accessories



Glare-shielding skirt

Ordercode 910500456881



Honey comb

Ordercode 910500456882



Glare shield

Ordercode 910500456883



Glare-shielding skirt

Ordercode 910500456884

Application Conditions

Ambient temperature range	+10 to +40 °C
Suitable for random switching	Yes

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Operating and Electrical

Input Voltage	220 to 240 V
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General Information

Beam angle of light source	120 °
CE mark	CE mark
Protection class IEC	Safety class I
Optical cover/lens type	-
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glare shielding accessories	-
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1 pc
Product Family Code	ST640T

Initial Performance (IEC Compliant)

Init. Corr. Color Temperature	3000 K
Luminous flux tolerance	+/-10%

Application Conditions

Order Code	Full Product Name	Maximum dim level
910500458468	ST640T LED17S/CRW PSU NB10 WH	-
910500458472	ST640T LED20S/930 PSU NB10 WH	-
910500458475	ST640T LED17S/830 PSU MB WH	-
910500458477	ST640T LED17S/930 PSU MB WH	-
910500458478	ST640T LED17S/CRW PSU MB WH	-
910500458481	ST640T LED27S/830 PSU MB WH	-
910500458483	ST640T LED27S/930 PSU MB WH	-
910500458484	ST640T LED27S/CRW PSU MB WH	-
910500458485	ST640T LED27S/930 PSD-VLC MB WH	1%
910500458486	ST640T LED27S/930 PSU WB WH	-
910500458867	ST640T LED49S/830 PSU MB WH	-
910500458882	ST640T LED49S/830 PSU WB WH	-
910500458479	ST640T LED27S/930 PSU MB BK	-

Controls and Dimming

Order Code	Full Product Name	Dimmable
910500458468	ST640T LED17S/CRW PSU NB10 WH	No
910500458472	ST640T LED20S/930 PSU NB10 WH	No
910500458475	ST640T LED17S/830 PSU MB WH	No
910500458477	ST640T LED17S/930 PSU MB WH	No
910500458478	ST640T LED17S/CRW PSU MB WH	No
910500458481	ST640T LED27S/830 PSU MB WH	No
910500458483	ST640T LED27S/930 PSU MB WH	No

Order Code	Full Product Name	Dimmable
910500458484	ST640T LED27S/CRW PSU MB WH	No
910500458485	ST640T LED27S/930 PSD-VLC MB WH	Yes
910500458486	ST640T LED27S/930 PSU WB WH	No
910500458867	ST640T LED49S/830 PSU MB WH	No
910500458882	ST640T LED49S/830 PSU WB WH	No
910500458479	ST640T LED27S/930 PSU MB BK	No

General Information

Order Code	Full Product Name	Lamp family	
		code	Optic type
910500458468	ST640T LED17S/CRW PSU NB10 WH	LED15S	Narrow beam angle 10°

Order Code	Full Product Name	Lamp family	
		code	Optic type
910500458472	ST640T LED20S/930 PSU NB10 WH	LED20S	Narrow beam angle 10°
910500458475	ST640T LED17S/830 PSU MB WH	LED17S	Medium beam

Order Code	Full Product Name	Lamp family	
		code	Optic type
910500458477	ST640T LED17S/930 PSU MB WH	LED17S	Medium beam
910500458478	ST640T LED17S/CRW PSU MB WH	LED17S	Medium beam
910500458481	ST640T LED27S/830 PSU MB WH	LED27S	Medium beam
910500458483	ST640T LED27S/930 PSU MB WH	LED27S	Medium beam
910500458484	ST640T LED27S/CRW PSU MB WH	LED27S	Medium beam
910500458485	ST640T LED27S/930 PSD-VLC MB WH	LED27S	Medium beam

Order Code	Full Product Name	Lamp family	
		code	Optic type
910500458486	ST640T LED27S/930 PSU WB WH	LED27S	Wide beam
910500458867	ST640T LED49S/830 PSU MB WH	LED49S	Medium beam
910500458882	ST640T LED49S/830 PSU WB WH	LED49S	Wide beam
910500458479	ST640T LED27S/930 PSU MB BK	LED27S	Medium beam

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Init. Color Rendering Index	Initial LED luminaire efficacy	Initial luminous flux
910500458468	ST640T LED17S/C RW PSU NB10 WH	(0.43, 0.40) ≥90	66.6666666666667 lm/W	1700 lm
910500458472	ST640T LED20S/9 30 PSU NB10 WH	(0.43, 0.40) ≥90	93.02325581395348 lm/W	2000 lm
910500458475	ST640T LED17S/8 30 PSU MB WH	(0.43, 0.40) ≥80	118.05555555555556 lm/W	1700 lm
910500458477	ST640T LED17S/9 30 PSU MB WH	(0.43, 0.40) ≥90	102.40963855421685 lm/W	1700 lm
910500458478	ST640T LED17S/C RW PSU MB WH	(0.43, 0.40) ≥90	66.66666666666667 lm/W	1700 lm
910500458481	ST640T LED27S/8 30 PSU MB WH	(0.43, 0.40) ≥80	120 lm/W	2700 lm
910500458483	ST640T LED27S/9 30 PSU MB WH	(0.43, 0.40) ≥90	105.88235294117646 lm/W	2700 lm

Order Code	Full Product Name	Init. Color Rendering Index	Initial LED luminaire efficacy	Initial luminous flux
910500458484	ST640T LED27S/C RW PSU MB WH	(0.43, 0.40) ≥90	67.5 lm/W	2700 lm
910500458485	ST640T LED27S/9 30 PSD-VLC MB WH	(0.43, 0.40) ≥90	105.88235294117646 lm/W	2700 lm
910500458486	ST640T LED27S/9 30 PSU WB WH	(0.43, 0.40) ≥90	105.88235294117646 lm/W	2700 lm
910500458867	ST640T LED49S/8 30 PSU MB WH	(0.43, 0.40) ≥80	122.5 lm/W	4900 lm
910500458882	ST640T LED49S/8 30 PSU WB WH	(0.43, 0.40) ≥80	122.5 lm/W	4900 lm
910500458479	ST640T LED27S/9 30 PSU MB BK	(0.43, 0.40) ≥90	105.88235294117646 lm/W	2700 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
910500458468	ST640T LED17S/CRW PSU NB10 WH	25.5 W
910500458472	ST640T LED20S/930 PSU NB10 WH	21.5 W
910500458475	ST640T LED17S/830 PSU MB WH	14.4 W
910500458477	ST640T LED17S/930 PSU MB WH	16.6 W
910500458478	ST640T LED17S/CRW PSU MB WH	25.5 W
910500458481	ST640T LED27S/830 PSU MB WH	22.5 W
910500458483	ST640T LED27S/930 PSU MB WH	25.5 W

Order Code	Full Product Name	Initial input power
910500458484	ST640T LED27S/CRW PSU MB WH	40 W
910500458485	ST640T LED27S/930 PSD-VLC MB WH	25.5 W
910500458486	ST640T LED27S/930 PSU WB WH	25.5 W
910500458867	ST640T LED49S/830 PSU MB WH	40 W
910500458882	ST640T LED49S/830 PSU WB WH	40 W
910500458479	ST640T LED27S/930 PSU MB BK	25.5 W

Mechanical and Housing

Order Code	Full Product Name	Color
910500458468	ST640T LED17S/CRW PSU NB10 WH	White
910500458472	ST640T LED20S/930 PSU NB10 WH	White
910500458475	ST640T LED17S/830 PSU MB WH	White
910500458477	ST640T LED17S/930 PSU MB WH	White
910500458478	ST640T LED17S/CRW PSU MB WH	White
910500458481	ST640T LED27S/830 PSU MB WH	White
910500458483	ST640T LED27S/930 PSU MB WH	White

Order Code	Full Product Name	Color
910500458484	ST640T LED27S/CRW PSU MB WH	White
910500458485	ST640T LED27S/930 PSD-VLC MB WH	White
910500458486	ST640T LED27S/930 PSU WB WH	White
910500458867	ST640T LED49S/830 PSU MB WH	White
910500458882	ST640T LED49S/830 PSU WB WH	White
910500458479	ST640T LED27S/930 PSU MB BK	Black

