



LIGHTING
SCIENCE®

LSPro

LSPro® LED T8 Direct Replacement

FOR USE WITH ELECTRONIC BALLAST LUMINAIRES



The 11.5W 4ft T8 Direct Replacement linear provides a crisp and beautiful light with a 230 degree beam angle, while requiring 60% less energy and lasting 3.5x longer than traditional fluorescent T8 lamps. Ideal in both commercial and residential applications, the LSPro T8 Direct Replacement is damp rated, and UL safety certified.

- **Precise LED Binning Process:** Detailed and precise binning process ensures consistent color output and temperature
- **Simple Installation (UL Type A):** No rewiring necessary
- **Frosted Glass Lens:** Creates smooth, even light distribution
- **Safe & Energy Efficient:** Contains no mercury or lead, UL listed, and less than 11.5W at 4ft & 8W at 2ft



PRODUCT SPECIFICATIONS

SPECIFICATIONS ¹	4 FOOT		2 FOOT	
Color Temperature	4000K	5000K	4000K	5000K
Output (Lumens)	1800	1810	1150	1150
CRI	82		82	
R9	16	17	14	15
Beam Angle	230°		230°	
Power Consumption (W) ²	11.5		8	
Power Factor	0.97		0.9	
Efficacy (LN/W)	157		124	
Input Voltage (V _{AC}) ³	120-277V		120-277V	
Dimmable	No		No	
Base	G13		G13	
Power Connector	Socket		Socket	
Product Dimensions (LxWxH in/cm)	48 x 1 x 1 in 121.9 x 2.54 x 2.54 cm		24 x 1 x 1 in 61 x 2.54 x 2.54 cm	
Operating Temperature Range (°F/°C)	-4 to 113 °F -20 to 45 °C		-4 to 113 °F -20 to 45 °C	
Storage Temperature Range (°F/°C)	-40 to 185 °F -40 to 85 °C		-40 to 185 °F -40 to 85 °C	
Weight (lbs/kg)	0.45 lb 0.20 kg		0.30 lb 0.14 kg	
Construction	Glass		Glass	
Packaging:	Bulk 25		Bulk 25	
Lumen Maintenance (LM ₇₀)	50,000		50,000	
Environmental Rating	Damp		Damp	
Certifications	UL Listed, DLC, RoHS, FCC		UL Listed, DLC, RoHS, FCC	
Warranty	5 Years		5 Years	

¹ Specifications and values supplied are nominal and are subject to change without notification. ² Wattage for lamp only, ballast factor needed to calculate total system wattage. ³ Input Voltage to ballast and specified by ballast manufacturer.

ORDERING INFORMATION

FAMILY	PRODUCT	WATTAGE ¹	COLOR TEMPERATURE	LENGTH ²	VOLTAGE ³	GENERATION	PACKAGING
LSPRO	T8 A - UL Type A ⁴	8 - 8 Watts	4000K - Cool White	24	MVOLT - 120 to 277V	SB20 - 2nd generation	
		12 - 11.5 Watts	5000K - Daylight	48			

example: LSPRO T8 A 8 4000K 24 MVOLT SB20 BX25

¹ Wattage for lamp only, ballast factor needed to calculate total system wattage. ² 24 inch matches with 8W only and 48 inch matches with 11W only. ³ Input Voltage to ballast and specified by ballast manufacturer. ⁴ UL Type A is ballast compatible.

