EcoLite™
Leader in LED Lighting

STELLAR LUMA 4 AB FROSTED TUBE
SPECIFICATION SHEET
ECO-LS-SMDT8-16WABF50K

Stellar Luma 4 AB Frosted Tube LED Light I

ECO-LS-SMDT8-16WABF50K
120-277



KEY SPECS

POWER	COLOR	EFFICACY	OPTICS
18W	1CCT	130lm/W	120°
Rated output	5000 K	System efficacy	Beam angle

Stellar Luma 4 AB Frosted Tube is a 4-foot field-tunable T8 lamp built with an aluminum housing and a high-transmission polycarbonate lens delivering a 120° beam. The internal driver accepts 120–277 V AC line voltage for ballast-bypass operation, with single-or double-ended wiring options for retrofit flexibility. Single-and double-ended wiring supports direct replacement of most instant-and programmed-start electronic T8 ballasts. ETL, cETL, and DLC listed for office, retail, and hospitality interiors, backed by EcoLite's 10-year non-prorated warranty.

- Office lighting
- Meeting & conference rooms
- Retail & store lighting
- Restaurant & hospitality lighting

FEATURES

01 4 ft G13 bi-pin LED T8 retrofit
02 Ballast-bypass operation on 120–277 V
03 Single-or double-ended wiring
04 Frosted or clear lens options
05 120° beam angle with >80 CRI
06 50,000+ hour rated lifetime

ETL LISTED US · cETL LISTED US · DLC LISTED · 10 Year Non-Prorated Warranty

EFFICACY
UP TO 140 LM/W

UNIVERSAL
120-277V

01 ORDER INFORMATION

SKU / MODEL	SIZE	WATTAGE	CCT	VOLTAGE
ECO-LS-SMDT8-16WABF50K	4 ft	18 W	5000 K	120-277

02 ELECTRICAL CHARACTERISTICS

SPECIFICATION	18 W
Size	4 ft
LED Driver	UL-listed driver, ballast-bypass
Wattage	16 W
Lumen Output	2,080 lm
Efficacy (lm/W)	130 lm/W
CRI	>80
Color Temperature (CCT)	5000 K
Input Voltage	120–277 V AC
Beam Angle	120°
Operating Temperature	-4°F to +113°F
Junction Temperature	<75°C
Lamp Efficiency	≥90%
Certifications	ETL, cETL, DLC
HID Equivalent	24–60 W MH/HPS
Lens	Frosted PC

03 ACCESSORIES & MOUNTING



EMERGENCY DRIVER 20W

ECO-LSED20W

04 DIMENSIONS

MODEL	LENGTH	WIDTH	HEIGHT
ECO-LS-SMDT8-16WABF50K	47.17” / 1198 mm	1.32” / 34 mm	1.15” / 29 mm

Linear extrusion · Dimensions Illuminated length: 45.47 in. · inches [mm]

05 SAFETY WARNING

⚠ READ BEFORE INSTALLATION

1. Installation must be performed by a qualified, licensed electrician in accordance with all applicable national and local electrical codes.