EcoLite™
Leader in LED Lighting

STELLAR LUMEN T8 LED 8FT TUBE
SPECIFICATION SHEET
ECO-J-AA-T8R-2400

Stellar Lumen T8 LED 8FT Tube (III)

ECO-J-AA-T8R-2400

120-277



KEY SPECS

POWER	COLOR	EFFICACY	VOLTAGE
40W	2CCT	130lm/W	120-277V
Rated output	4000 / 5000 K	System efficacy	Input voltage

Stellar Lumen T8 LED 8FT Tube is a double-ended, line-voltage LED replacement for conventional fluorescent lamps, built with an aluminum and polycarbonate housing and a frosted PC lens that eliminates pixelation (clear lens optional). The high-efficiency LED source delivers uniform, flicker-free illumination with CRI above 80 in a single-CCT configuration. Universal 120–277 V input wires directly into the AC line with no ballast required, running roughly 60% more efficiently than standard F32 T8 lamps. Installs quickly as a direct retrofit into existing double-ended tombstones. ETL listed and DLC Standard qualified for utility rebate eligibility, backed by EcoLite's 10-year non-prorated warranty

FEATURES

01 8 ft double-ended line-voltage T8 tube
02 Frosted PC lens with optional clear lens
03 ~60% more efficient than F32 T8 lamps
04 Separate 4000K and 5000K models
05 Ballast-free direct retrofit
06 ETL listed and DLC Standard qualified

- Office & retail lighting
- Schools & healthcare
- Restaurants & hospitality
- Residential spaces

130+ LM/W
HIGH EFFICACY

CRI 80+
TRUE COLOR

CCT OPTIONS
4000 / 5000 K

01 ORDER INFORMATION

SKU / MODEL	SIZE	WATTAGE	CCT	VOLTAGE
ECO-J-AA-T8R-2400-40W-35-C-A-40K-M	8 ft	40 W	4000 K	120-277
ECO-J-AA-T8R-2400-40W-35-C-A-50K-C	8 ft	40 W	5000 K	120-277
ECO-J-AA-T8R-2400-40W-35-C-A-50K-M	8 ft	40 W	5000 K	120-277

02 ELECTRICAL CHARACTERISTICS

SPECIFICATION	40 W
Size	8 ft
Wattage	40 W
Lumen Output	5,000 lm
Efficacy (lm/W)	Up to 130 lm/W
Color Temperature (CCT)	4000 K / 5000 K
CRI	>80
Input Voltage	120–277 V, 50/60 Hz
Operating Temperature	-20 to +45°C
Wiring	Double-ended line voltage

03 DIMENSIONS

MODEL	LENGTH
ECO-J-AA-T8R-2400-40W-35-C-A-40K-M	93.74" / 2381 mm
ECO-J-AA-T8R-2400-40W-35-C-A-50K-C	93.74" / 2381 mm
ECO-J-AA-T8R-2400-40W-35-C-A-50K-M	93.74" / 2381 mm

Linear extrusion · Dimensions ±0.2" · inches [mm]

04 INSTALLATION INSTRUCTIONS

DOUBLE-ENDED LINE VOLTAGE INSTALLATION

Step 1	Turn power OFF before installing. Verify tombstones are clean, undamaged, and correctly wired.
Step 2	Wire double-ended into AC line voltage (100–277 VAC, 50/60 Hz). Never operate above 277 VAC or with a ballasted LED driver.
Step 3	Do not install in gasketed, fully enclosed fixtures or wet environments — these conditions void the warranty.

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.