

LED TypeB Emergency Tube

Product Specification Sheet

Product Overview

Starconomy Type B Emergency LED Tubes are designed for direct wiring to line voltage, bypassing existing ballasts, and feature integrated emergency backup batteries that provide illumination during power outages for at least 90 minutes.

These tubes offer energy-efficient lighting with high lumen output and are ideal for applications requiring reliable emergency lighting solutions.

Key Features

- Aluminum and plastic housing.
- Emergency orange plastic end caps.
- Shatter-proof.
- 16V 600mAh Lithium battery.
- Meet UL924 emergency lighting standard.
- Self-testing MCU system.
- Battery lifespan over 1000 cycles.
- High Brightness: Delivers up to 140 LPW for powerful, efficient lighting.
- Versatile Voltage: Compatible with AC120-277V.
- Used as ballast bypass.
- Shatterproof design meets NSF requirements.
- Not usable in corrosive environments.
- Beam angle 180°



Technical Specification

▪ Models and Wattage Options

- The LED type B emergency tube consists of a wattage option for 4ft applications.
- SET8G-48-15: 15W 2000 Lumens

▪ High Efficiency and Performance

- Efficacy: Up to 140 lumens per watt (LPW) across all models, ensuring optimal energy efficiency.
- Correlated Color Temperature (CCT) Selectable : Available in 3500K, 4000K, and 5000K, providing different lighting tones suitable for various applications.
- Color Rendering Index (CRI): Ra 80, ensuring clear and accurate color representation.

▪ Electrical and Operational Features

- Input Voltage: AC 120-277V 50/60Hz
- Power Factor: >0.9
- Driver Efficacy: >94%; Ensures stable power delivery with minimal flickering.

▪ Durability and Environmental Adaptability

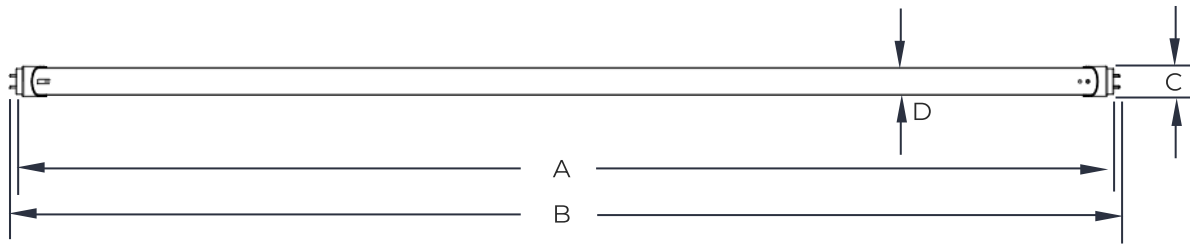
- Life Span: L70 over 100,000 hours, ensuring long-lasting performance with minimal maintenance.
- Working Temperature: Operates reliably in extreme temperatures ranging from -4°F to 122°F.
- Storage Temperature: Can be stored safely between -40°F and 176°F.
- Rated for damp locations, making it suitable for environments with moderate moisture exposure.

▪ Warranty

- 5-year limited warranty, providing assurance of product reliability and support.

Dimension

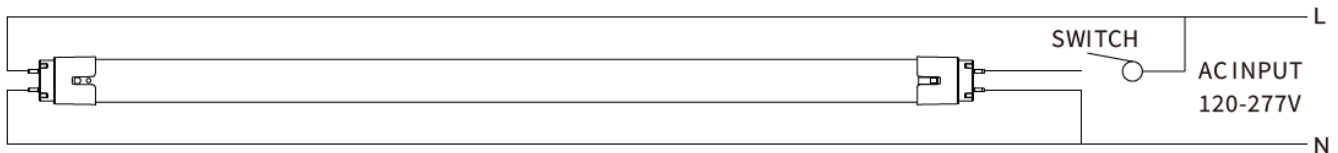
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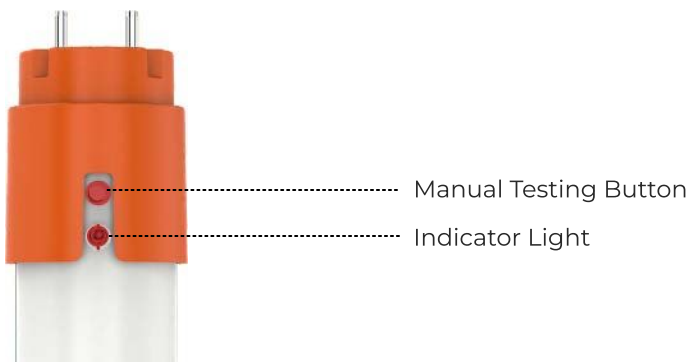
Size	A(inch)	A(mm)	B(inch)	B(mm)	C(inch)	C(mm)	D(inch)	D(mm)
4FT		1198.1		1214.2		32.7		29.6

Wiring

Type B Wiring Double-End



- Testing Button
- Charge Indicator Light



Accessories

LED Type B Emergency Tube

SL-T8K-0-EM		G13 Emergency Socket
SL-T8K-X-FE ("X" can be 1, 2, 3, 4 or 6 that indicates socket quantity)		Pre-wired Emergency Fast-Fuse Socket Kit

Order Information

Example: **SE-T8E-48-15-CS-F-TB**

SE	T8E					
Series	Type	Length	Performance Package	Color Temperature	Lens	Type
SE =Starconomy	T8E =LED Emergency Tube	48 =48"	15 =15W	CS =3500/4000/5000K	F =Frosted	TB =Type B

Performance Table

LED Type B Emergency Tube

Size	Wattage	CCT	Lumen Output	Efficacy
4FT	15W	3500K	2025	135
		4000K	2070	138
		5000K	2100	140
	3.5W Emergency Mode	3500K	560	160
		4000K	580	165
		5000K	581	166