



Project:	Type:
Prepared By:	Date:

Technical Specifications

Performance

Product Type:

Emergency Linear Tube

Description:

The SBR10 Tube is a UL Type B T8 tube featuring an innovative design that incorporates a rechargeable battery into a tube format, ensuring a permanent installation that cannot be easily tampered with or removed accidentally.

Wattage Equivalency:

32W Fluorescent

Input Wattage:

14.5W

Lumens:

3500K @ 1,750lm; 4000K @ 1,800lm; 5000K @ 1,800lm

Efficacy:

3500K @ 121lm/W; 4000K @ 124lm/W; 5000K @ 124lm/W

Lifespan:

50,000-Hour LED lifespan based on IES LM-70 results

Electrical

THD:

20%

Power Factor:

>0.9

Dimmable:

Yes, dimmable down to 15-20% on compatible TRIAC/ELV dimming systems. See Dimmer Compatibility List.

Input Voltage:

120-277V

Operating Frequency:

50/60Hz

Input Current @ 120V (mA):

121mA

Input Current @ 208V (mA):

70mA

Input Current @ 240V (mA):

60mA

Input Current @ 277V (mA):

52mA

Battery Operating Temperature:

32°C to 104°C (0°F to 40°F)

Flicker:

50%

Emergency Operation:

90 minutes @ 0° ambient temperature; 200-minutes @ 77°F (25°C)

Emergency Lumens:

400lm (3.5W)

Battery Recharge Time:

24 hours @ 0deg; ambient temperatureours

LED Characteristics

Beam Angle:

140°

Color Temperature:

3500K/4000K/5000K

Color Accuracy (CRI):

≥80 CRI

R9 Value:

High color performance with R9 greater than 0

Color Consistency:

<7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Technical Specifications (continued)

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Installation**Installation Method:**

UL Type B, Ballast Bypass

Base Type:

Hardwired

Construction**Length:**

4 ft

Shape:

T10

Finish:

White

Endcap Material:

Polycarbonate

Enclosure Material:

Aluminum & Polycarbonate

Lens Finish:

Frosted

Compliance**Listings:**

UL Recognized, UL Classified

Environment:

Suitable for use indoors in dry and damp environments.

Fixture Rating:

Suitable for use in enclosed fixtures

Certification Model Number:

BT01(SBR10)

California Title 20 Compliant:

No

California Title 24 JA8 Compliant:

No

California Energy Commission (CEC) Status:

Lawful for Sales in California

NSF Listed:

Meets NSF/ANSI standards for use in Food Zone (non-contact), Splash, and Non-Food Zones. Tube guard required in open fixtures.

Rohs:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15 of the FCC Rules

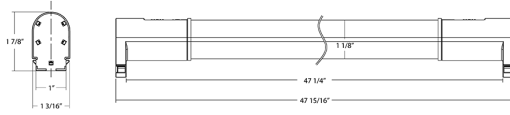
Other**Warranty:**

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



Features

- True UL 924 certified LED Retrofit tube that is hardwired 24/7 to main power
- Bypass the ballast, driver integrated directly into the lamp body
- 3 selectable color temperatures
- Backup battery provides up to 200-minutes of emergency illumination
- Easy to install, simply remove existing sockets from fixture and wire tube directly

Ordering Matrix

Family	Length/Wattage	Material	CRI/Color Temp	Voltage	Installation Type
SBR10	Blank = 4 ft, 14.5W	Blank = Plastic	Blank = 80 CRI, 3500K/4000K/5000K CCT Adjustable	Blank = 120-277V	Blank = Type B,Ballast Bypass