

**Project:**

**Type:**

**Prepared By:**

**Date:**



UPC: 192552031011

### Features and Benefits

- Field-adjustable power and color temperature
- Replacement for conventional fluorescent T8 and T12 linear tubes
- Integral driver enables lamp to be wired directly to line voltage without need for an external driver or ballast
- Interchangeable base type R17D or FA8
- Double-ended wiring method

## Technical Specifications

### Performance

#### Product Type:

Linear Tube

#### Description:

Field-adjustable power and color temperature double ended type B tubes with interchangeable base type.

#### Wattage Equivalency:

59/86/96W Fluorescent

#### Input Wattage:

24/32/40W

#### Lumens:

3500/4400/5500lm

#### L70 Lifespan:

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

### Other

#### Efficacy:

146/138/138lm/W

#### Compatible Accessories:

Compatible with super EM

#### 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](http://rablighting.com/warranty).

### Electrical

#### THD:

≤25%

#### Power Factor:

>0.9

#### Dimmable:

Yes, but not recommended for dimming applications.

#### Input Voltage:

120-277V

#### Operating Frequency:

50/60Hz

#### Input Current @ 120V (mA):

200/278/353mA

#### Input Current @ 208V (mA):

120/160/200mA

#### Input Current @ 240V (mA):

105/140/175mA

#### Input Current @ 277V (mA):

94/120/148mA

#### Operating Temperature:

-4°F to 113°F (-20°C to 45°C)

### LED Characteristics

#### Beam Angle:

210°

#### Color Temperature:

Field adjustable via dip switch  
3000/3500/4000/5000/6500K

#### Color Accuracy (CRI):

82 CRI



**Technical Specifications (continued)****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 warranted to shift no more than 200K in color temperature over a 5-year period

**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:**

Interchangeable base: FA8 or R17D

**Construction****Length:**

8 ft

**Shape:**

T8

**Finish:**

White

**Endcap Material:**

Plastic

**Enclosure Material:**

Glass

**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:**

T10277(T8-96G-DE-BYP)

**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

**DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.  
DLC Product Code: S-SMHL8F

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## Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	10	95.75	7.44	3.74
PALLET	1000	96.06	39.37	81.89

## Dimension

