

<b>Project:</b>	<b>Type:</b>	<b>Prepared By:</b>	<b>Date:</b>
-----------------	--------------	---------------------	--------------



### 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		
<p><b>Performance</b></p> <p><b>Product Type:</b> Linear Tube</p> <p><b>Wattage Equivalency:</b> 59/86/96W Fluorescent</p> <p><b>Input Wattage:</b> 24/32/40W</p> <p><b>Lumens:</b> 24W: 3000K @ 3,418lm; 3500K @ 3,487lm; 4000K @ 3,546lm; 5000K @ 3,607lm; 6500K @ 3,644lm 32W: 3000K @ 4,268lm; 3500K @ 4,363lm; 4000K @ 4,443lm; 5000K @ 4,523lm; 6500K @ 4,541lm 40W: 3000K @ 5,133lm; 3500K @ 5,277lm; 4000K @ 5,400lm; 5000K @ 5,481lm; 6500K @ 5,465lm</p> <p><b>Efficacy:</b> 24W: 3000K @ 139lm/W; 3500K @ 142lm/W; 4000K @ 144lm/W; 5000K @ 147lm/W; 6500K @ 148lm/W 32W: 3000K @ 135lm/W; 3500K @ 138lm/W; 4000K @ 141lm/W; 5000K @ 143lm/W; 6500K @ 144lm/W 40W: 3000K @ 129lm/W; 3500K @ 132lm/W; 4000K @ 135lm/W; 5000K @ 137lm/W; 6500K @ 137lm/W</p>	<p><b>L70 Lifespan:</b> 50,000-Hour LED lifespan based on IES LM-70 results</p> <p><b>Electrical</b></p> <p><b>THD:</b> ≤25%</p> <p><b>Power Factor:</b> &gt;0.9</p> <p><b>Dimmable:</b> Yes, but not recommended for dimming applications.</p> <p><b>Input Voltage:</b> 120-277V</p> <p><b>Operating Frequency:</b> 50/60Hz</p> <p><b>Input Current @ 120V (mA):</b> 200/278/353mA</p> <p><b>Input Current @ 208V (mA):</b> 120/160/200mA</p>	<p><b>Input Current @ 240V (mA):</b> 105/140/175mA</p> <p><b>Input Current @ 277V (mA):</b> 94/120/148 mA</p> <p><b>Operating Temperature:</b> -4°F to 113°F (-20°C to 45°C)</p> <p><b>LED Characteristics</b></p> <p><b>Beam Angle:</b> 210°</p> <p><b>Color Temperature:</b> Field adjustable via dip switch 3000K/3500K/4000K/5000K/6500K</p> <p><b>Color Accuracy (CRI):</b> 82 CRI</p> <p><b>R9 Value:</b> High color performance with R9 greater than 0</p> <p><b>Color Consistency:</b> &lt;7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color</p>

## Technical Specifications (continued)

**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

**Construction****Base Type:**

Interchangeable base: FA8 or R17D

**Nominal Length:**

8 ft

**Bulb Shape:**

T8

**Endcap Material:**

Plastic

**Enclosure Material:**

Glass

**Lens Finish:**

Frosted

**Compliance****Listings:**

UL Recognized, UL Classified

**Environment:**

Suitable for use in dry and damp environments

**Fixture Rating:**

Suitable for use in enclosed fixtures

**T20 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

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

**Note:**

All values are typical (tolerance +/- 10%)

## Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	10	95.75	7.44	3.74
PALLET	1	96.06	39.37	81.89

## Dimension

