

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

Wattage Equivalency:

59/86/96W Fluorescent

Input Wattage:

24/32/40W

Lumens:

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

Efficacy:

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

L70 Lifespan:

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

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):

94/120/148 mA

Operating Temperature:

-4°F to 113°F (-20°C to 45°C)

LED Characteristics

Beam Angle:

210°

Color Temperature:

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

Color Accuracy (CRI):

82 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

Technical Specifications (continued)

Color Stability:

LED color temperature is warrantied 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

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.

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

