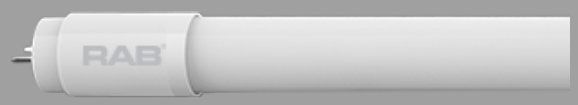
T8-14-48GC-850-HYB

RAB

Project:	Type:	Prepared By:	Date:



UPC: 192552004756

Features and Benefits

Direct Replacement for Fluorescent Lamps: F32T8/32W, F32T8/30W, F32T8/28W, F32T8/25W

TYPE A - Plug and play compatible with most common commercial instant start T8 electronic ballasts

TYPE B - can be wired directly to line voltage 120-277V. Can be wired using Single or Double ended method

Works with both shunted and non-shunted sockets

NSF Listed: NSF/ANSI Standard 2 - Food Equipment - Splash Zone (Not for Direct Food Zone without additional fixture considerations)

Technical Specifications

Performance

Product Type:
Linear Tube

Wattage Equivalency:
32W Fluorescent

Input Wattage:
14W

Lumens:
2,000lm

Efficacy:
143lm/W

L70 Lifespan:
50,000-Hour LED lifespan based on IES LM-70 results

Electrical

THD:
Type A: Dependent on ballast
Type B: <25%

Power Factor:
Type A: Dependent on ballast
Type B: >0.9

Dimmable:
Type A: Yes
Type B: No

Dimming Type:
Compatible 0-10V dimmer and ballast, see Dimmer Compatibility List

Input Voltage:
Type A: Ballast dependent
Type B: 120-277V

Operating Frequency:
50/60Hz

Input Current @ 120V (mA):
Type B: 120mA

Input Current @ 208V (mA):
Type B: 71mA

Input Current @ 240V (mA):
Type B: 62mA

Input Current @ 277V (mA):
Type B: 56mA

Operating Temperature:
-4°F to 113°F (-20°C to 45°C)

Flicker:
Type A: Depends on ballast ~<15%
Type B: 50%-70%

LED Characteristics

Color Temperature:
5000K

Color Accuracy (CRI):
82 CRI

R9 Value:
High color performance with R9 no less than 0

Color Consistency:
<5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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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 A+B, Hybrid

Base Type:
G13

Construction

Nominal Length:
4 ft

Shape:
T8

Enclosure Material:
Glass w/ PET

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

California Title 24 JA8 Compliant:
Not applicable

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 15B of the FCC Rules

Other

Compatible Products:
See Dimmer and Ballast compatibility lists.

5-Year, No-Compromise 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.

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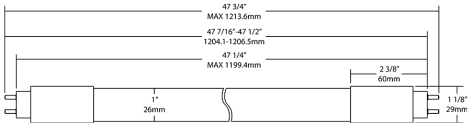
Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	25	50.2	7.3	7
PALLET	0	0	0	0

Dimension



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