T8-9.5-48G-850-SD-BYP/2

Project:	Type:	Prepared By:	Date:



UPC: 192552004886

Features and Benefits

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

Single ended and double ended wiring method

Works with non-shunted sockets and shunted sockets.

Approximately 50% more energy efficient when compared to Fluorescent T8 lamps

50,000 hour Lifespan.

Rated for use in enclosed and open fixtures in dry or damp locations

Diffused frosted lens will maintain the same light quality over time

Instant on full brightness

Environmentally friendly, no mercury used

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

Internal thermal fuse for added safety

Technical Specifications

Performance

Product Type:
Linear Tube

Description:
Single or Double Ended wiring method makes these Type B tubes super flexible for in field installation. Available in 4 ft, 3 ft and 2 ft.

Wattage Equivalency:
32W Fluorescent

Input Wattage:
9.5W

Lumens:
1,650lm

Efficacy:
174lm/W

Lifespan:
50,000-Hour LED lifespan based on IESlm-70 results

Electrical

THD:
<25%

Power Factor:
>0.9

Dimmable:
Yes, when using Lutron DVELV-300P

Input Voltage:
120-277V

Operating Frequency:
50/60Hz

Input Current @ 120V (mA):
82mA

Input Current @ 208V (mA):
50mA

Input Current @ 240V (mA):
44mA

Input Current @ 277V (mA):
38mA

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

LED Characteristics

Beam Angle:
230°

Color Temperature:
5000K

Color Accuracy (CRI):
82 CRI

R9 Value:
High color performance with R9 greater than 0

Color Consistency:
<5-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

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.

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Technical Specifications (continued)

Installation

Installation Method:
UL Type B, Ballast Bypass

Base Type:
G13

Construction

Length:
4 ft

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. Not suitable for applications with direct sunlight.

Fixture Rating:
Suitable for use in enclosed fixtures

DLC Listed:
This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

DLC ID:
S-K37SEL

Certification Model Number:
T20076(T8-9.5-48G-850-SD-BYP/2)

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

Compatible Accessories:
DRI-5-EMGR-T8
5W EM driver for T8 Bypass DE or SD models

DRI-10-EMGR-TYPE B
10W EM driver for T8 Bypass DE or SD models

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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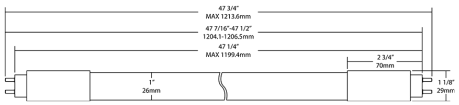
Minimum Compartment Size

Length x Width x Height [in]	Lamp Quantity
48	1

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	25	50.2	7.3	50
PALLET	750	51.18	37.4	49.61

Dimension



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