T8-8-48G-840-SD-BYP

Project:	Type:	Prepared By:	Date:



UPC: 192552018333

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

Technical Specifications

Performance

Product Type:
Linear Tube

Description:
Single Ended or Double Ended wiring method makes these Type B tubes super flexible for in field installation

Wattage Equivalency:
32W Fluorescent T8

Input Wattage:
8.5W

Lumens:
1,650lm

Efficacy:
194lm/W

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

Electrical

Driver:
Constant Current, 120/277V, 50/60 Hz, 120V: 75mA; 208V: 45mA; 240V: 39mA; 277V: 34mA

THD:
<25%

Power Factor:
>0.9

Dimmable:
No

Input Voltage:
120/277V

Operating Frequency:
50/60Hz

Input Current @ 120V (mA):
75mA

Input Current @ 208V (mA):
45mA

Input Current @ 240V (mA):
39mA

Input Current @ 277V (mA):
34mA

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

LED Characteristics

Beam Angle:
210°

Color Temperature:
4000K

Color Accuracy (CRI):
>80 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

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

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:
G13

Construction

Length:
4 ft

Shape:
T8

Endcap Material:
Plastic

Enclosure Material:
Glass

Lens Finish:
Frosted

Compliance

Listings:
UL Classified, UL Recognized

Environment:
Suitable for use indoors in dry and damp environments.

Fixture Rating:
Suitable for use in enclosed fixtures

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC ID:
S-00GZN2

Certification Model Number:
T10304(T8-8-48G-840-SD-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

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

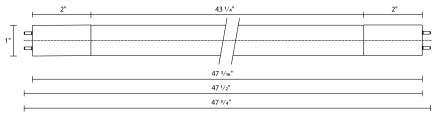
5-Year, No-Compromise Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	25	48.82	5.99	5.95
PALLET	0	51.22	40.03	47.6

Dimension



Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice