T8-12-48GC-835-SD-BYP

RAB

Project:	Type:	Prepared By:	Date:

UPC: 019813833682

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)

Shatter resistant Coated Glass designed to pass drop tests of 6' on hard surface

Internal thermal fuse for added safety

UL Classified, DLC Listed

Technical Specifications

Performance

Product Type:
Linear

Input Wattage:
12W

Wattage Equivalency:
32W Fluorescent

Lumens (Nominal):
1,730lm

Efficacy:
144lm/W

L70 Lifespan:
50,000 Hours

Construction

Material:
Coated Glass

Bulb Shape:
T8

Nominal Length:
4 ft

Finish:
Frosted

Base Type:
G13

For Use Outdoors in Open Fixtures:
No

LED Characteristics

Color Temperature:
3500K Neutral White

Color Accuracy (CRI):
80 CRI

Electrical

THD:
≤25%

Power Factor:
>0.9

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

Dimmable:
No

Input Voltage:
120-277V AC

Operating Frequency:
50/60Hz

Input Current @ 120V:
116mA

Input Current @ 277V:
50mA

Optical

Beam Angle:
180°

Technical Specifications (continued)

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.

Installation

Installation Type:
Type B, Single or Double Ended wiring

Compliance

UL Recognized:
Yes

UL Classified:
Yes

Model Number for Certification:
T10025

NSF Listed:
Meets NSF/ANSI standards for use in Food Zone (non-contact), Splash, and Non-Food Zones. Tube guard required in open fixtures.

California Energy Commission (CEC) Status:
Lawful for Sales in California

Application:
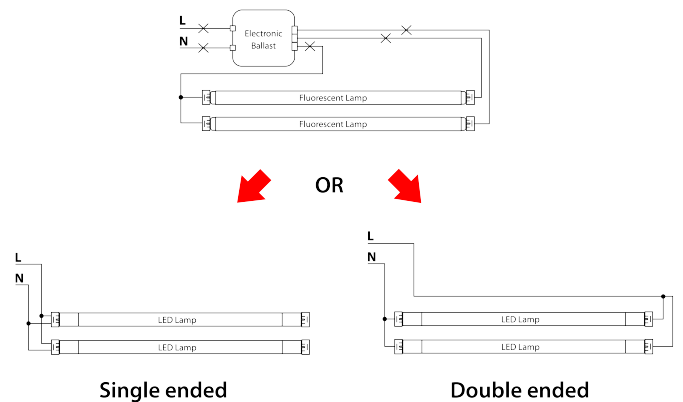Suitable for damp locations and totally enclosed fixtures.

Minimum Compartment Size

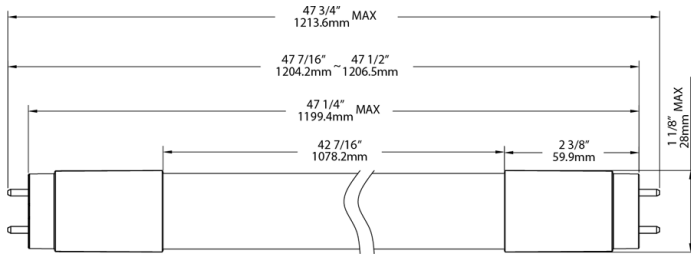| Length x Width x Height [in]	Lamp Quantity
48	4

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	25	49.4	7.7	8
PALLET	625	43.3	40.6	51.2

Wiring Diagram

OR

Single ended   Double ended

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RAB®

Dimension

47 3/4" MAX
1213.6mm

47 7/16"   47 1/2"
1204.2mm ~ 1206.5mm

47 1/4" MAX
1199.4mm

42 7/16"
1078.2mm

2 3/8"
59.9mm

1 1/8" MAX
28mm MAX

Light Distribution

UNIT:cd
— C0/180,101.7
— C30/210,103.5
— C60/240,105.9
— C90/270,106.6

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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