T8-14.5-48GC-850-SE-BYP-PDIM

RAB

Project:	Type:	Prepared By:	Date:

UPC: 019813834450

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

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

Works with non-shunted sockets ONLY.

Separate wiring harness and socket kit accessory available

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)

Phase cut dimming

Technical Specifications

Performance

Product Type:
Linear

Input Wattage:
14.5W

Lumens:
1,900lm

Efficacy:
130lm/W

L70 Lifespan:
50,000 Hours

Wattage Equivalency:
32W Fluorescent

Construction

Material:
Coated Glass

Shape:
T8

Nominal Length:
4 ft

Finish:
Frosted

For Use Outdoors in Open Fixtures:
No

LED Characteristics

Color Temperature:
5000K Daylight

Color Accuracy (CRI):
80 CRI

Beam Angle:
210°

Installation

Base Type:
G13

Installation Type:
Type B, Single Ended wiring

Electrical

THD:
<25%

Power Factor:
>0.9

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

Dimming:
Yes with Phase dimmer. See Dimmer Compatibility List.

Input Voltage:
120V

Operating Frequency:
60 Hz

Input Current @ 120V:
200mA

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Technical Specifications (continued)

Other

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.

Compliance

UL Recognized:
Yes

UL Classified:
Yes

Certification Model Number:
T10089

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.

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.

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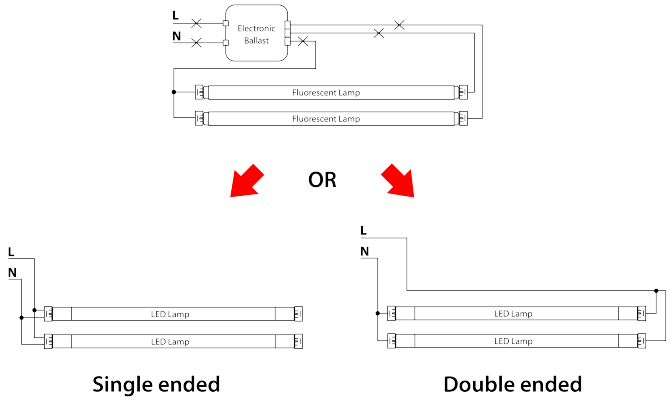
Minimum Compartment Size

Length x Width x Height [in]	Lamp Quantity
49	4

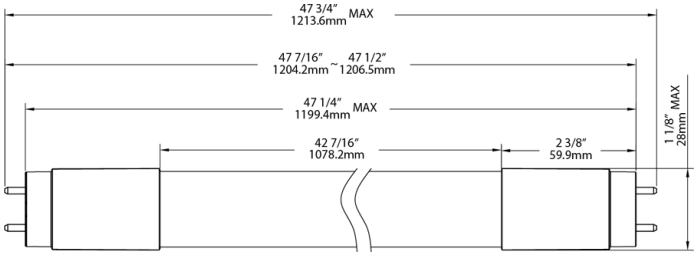
Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	25	50.2	7.3	7
PALLET	1200	58.3	43.7	50.2

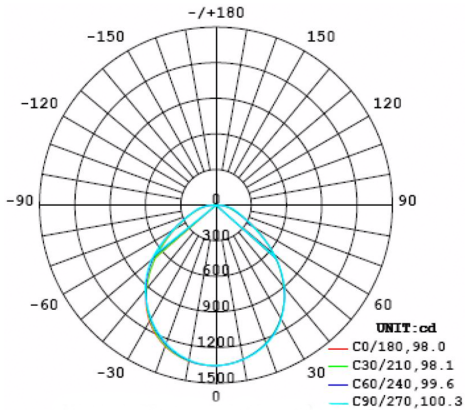
Wiring Diagram



Dimension



Light Distribution



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