T8-12-48G-8CCT-HYB

RAB®

UPC: 192552024587

Color: White   Weight: 0.4 lbs

Project: | Type:

Prepared By: | Date:

Driver Info

Type	Constant Current
120V	0.11A
208V	0.06A
240V	0.06A
277V	0.05A
Input Watts	12W

LED Info

Watts	12W
Color Temp	3000K/3500K/4000K/5000K/6500K
Color Accuracy	80 CRI
L70 Lifespan	50,000 Hours
Lumens	1,563-1,629 lm
Efficacy	138-144 lm/W

Technical Specifications

Performance

Product Type:
Linear Tube

Description:
Hybrid Type A/B tubes allow installation on the ballast or direct wiring to line voltage. Now available with adjustable 5CCT switch.

Wattage Equivalency:
32W Fluorescent

Input Wattage:
12W

Lumens:
1,600lm @ 3000K; 1,647lm @ 3500K; 1,133lm @ 4000K; 1,679lm @ 5000K; 1,610lm @ 6500K

Efficacy:
141lm/W @ 3000K; 146lm/W @ 3500K; 147lm/W @ 4000K; 148lm/W @ 5000K; 142lm/W @ 6000K

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

Electrical

THD:
≤25%

Power Factor:
>0.9

Dimmable:
Type B @ 120V only, 0-10V & Phase cut

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

Operating Frequency:
50/60Hz

Input Current @ 120V (mA):
Type B: 105mA

Input Current @ 208V (mA):
Type B: 61mA

Input Current @ 240V (mA):
Type B: 55mA

Input Current @ 277V (mA):
Type B: 48mA

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

Flicker:
<40%

LED Characteristics

Beam Angle:
160°

Color Temperature:
Field adjustable via dip switch
3000K/3500K/4000K/5000K/6500K

Color Accuracy (CRI):
>80 CRI

R9 Value:
High color performance with R9 greater than 0

Color Consistency:
<6-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.

Technical Specifications (continued)

Installation

Installation Method:
UL Type A+B, Hybrid

Base Type:
G13

Construction

Nominal Length:
4 ft

Bulb Shape:
T8

Endcap Material:
Plastic

Enclosure Material:
Glass

Lens Finish:
Frosted

Compliance

Listings:
UL Listed, UL Classified

Environment:
Suitable for use in dry and damp environments

Fixture Rating:
Suitable for use in enclosed fixtures

Certification Model Number:
T10370(T8-12-48G-8CCT-HYB)

T20 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

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: S-0GTH45

Other

Compatible Products:
See Dimmer and Ballast compatibility lists

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.

Note:
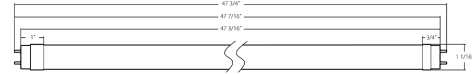All values are typical (tolerance +/- 10%)

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

RAB

Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	25	50.63	6.18	7
PALLET	1050	51.42	37.87	49.33

Dimension

Features

5 Color temperature selectable between 3000K, 3500K, 4000K, 5000K, 6500K

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

Ordering Matrix

Family	Wattage		Length/Material		CRI/Color Temp		Voltage	Wiring Method	Installation Type
T8	12	–	48G	–	8CCT	–			HYB
	7.5 = 7.5W		**24G** = 2 ft, Glass		**8CCT** = 80 CRI, 3000K/3500K/4000K/5000K/6500K CCT Adjustable		**Blank** = 120-277V	**Blank** = Single & Double Ended	**HYB** = Hybrid
	11 = 11W		**36G** = 3 ft, Glass						
	12 = 12W		**48G** = 4 ft, Glass						
	15 = 15W								