T8-96G-DE-BYP

Project:	Type:	Prepared By:	Date:



UPC: 192552031011

Features and Benefits

Field-adjustable power and color temperature

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

Interchangeable base type R17D or FA8

Double-ended wiring method

Technical Specifications

Performance

Product Type:
Linear Tube

Description:
Field-adjustable power and color temperature double ended type B tubes with interchangable base type.

Wattage Equivalency:
59/86/96W Fluorescent

Input Wattage:
24/32/40W

Lumens:
3500/4400/5500lm

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

Other

Efficacy:
146/138/138lm/W

Compatible Accessories:
Compatible with super EM

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.

Electrical

THD:
≤25%

Power Factor:
>0.9

Dimmable:
Yes, but not recommended for dimming applications.

Input Voltage:
120-277V

Operating Frequency:
50/60Hz

Input Current @ 120V (mA):
200/278/353mA

Input Current @ 208V (mA):
120/160/200mA

Input Current @ 240V (mA):
105/140/175mA

Input Current @ 277V (mA):
94/120/148mA

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

LED Characteristics

Beam Angle:
210°

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

Color Accuracy (CRI):
82 CRI

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Technical Specifications (continued)

R9 Value:
High color performance with R9 greater than 0

Color Consistency:
<7-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.

Installation

Installation Method:
UL Type B, Ballast Bypass

Base Type:
Interchangable base: FA8 or R17D

Construction

Length:
8 ft

Shape:
T8

Finish:
White

Endcap Material:
Plastic

Enclosure Material:
Glass

Lens Finish:
Frosted

Compliance

Listings:
UL Recognized, UL Classified

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

Fixture Rating:
Suitable for use in enclosed fixtures

Certification Model Number:
T10277(T8-96G-DE-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

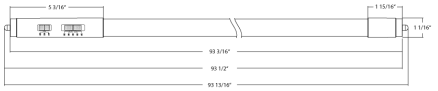
DLC Listed:
This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to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

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Case and Pallet Dimensions

	QTY	LENGTH (in)	WIDTH (in)	HEIGHT (in)
CASE	10	95.75	7.44	3.74
PALLET	1000	96.06	39.37	81.89

Dimension



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