

T8 Ballast Bypass Type B



Interchangeable Base

Field-adjustable power and CCT



KEY FEATURES

- 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
- 5-Year, No-Compromise Warranty

PERFORMANCE

| Catalog Number | Wattage Equivalency | Input Wattage | Lumens | Efficacy | Color Temperature | CRI | L70 Lifespan |
|-----------------|-----------------------|---------------|----------------------|------------------|--|-----|--------------|
| T8-96G-DE-BYP | 59/86/96W Fluorescent | 24/32/40W | 3,546/4,443/5,400 lm | 144/141/135 lm/W | Field-adjustable via dip switch 3000/3500/4000/5000/6500K | 82 | 50,000 hr |
| T8-96G-DE-BYP-C | 59/86/96W Fluorescent | 24/32/40W | 3,546/4,443/5,400 lm | 144/141/135 lm/W | Field-adjustable via dip switch 3000/3500/4000/5000/6500K | 82 | 50,000 hr |

| CCT (K) | 3000K | | | 3500K | | | 4000K | | | 5000K | | | 6500K | | |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Input Wattage | 24W | 32W | 40W | 24W | 32W | 40W | 24W | 32W | 40W | 24W | 32W | 40W | 24W | 32W | 40W |
| Lumens | 3,418 lm | 4,268 lm | 5,133 lm | 3,487 lm | 4,363 lm | 5,277 lm | 3,546 lm | 4,443 lm | 5,400 lm | 3,607 lm | 4,523 lm | 5,481 lm | 3,644 lm | 4,541 lm | 5,465 lm |
| Efficacy | 139 lm/W | 135 lm/W | 129 lm/W | 142 lm/W | 138 lm/W | 132 lm/W | 144 lm/W | 141 lm/W | 135 lm/W | 147 lm/W | 143 lm/W | 137 lm/W | 148 lm/W | 144 lm/W | 137 lm/W |

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type
Linear Tube

Nominal Length
8 ft.

Bulb Shape
T8

Enclosure Material
Glass

Endcap Material
Plastic

Base Type
Interchangeable base: FA8 or R17D

Lens Finish
Frosted or Clear

COMPLIANCE

Listings
UL Recognized, UL Classified

Environment
Suitable for use 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. Designed to meet DLC 5.1 requirements.
Model No: T10277(T8-96G-DE-BYP)
DLC ID: S-SMHL8F

TECHNICAL SPECIFICATIONS (CONT.)

COMPLIANCE

California Title 24 JA8 Compliant

No

T20 Compliant

No

California Energy Commission (CEC) Status

Lawful for Sale 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

INSTALLATION

Installation Method

UL Type B, Ballast Bypass

LED CHARACTERISTICS

Beam Angle

210°

Color Temperature

Field-adjustable via dip switch 3000K/3500K/4000K/5000K/6500K

Color Accuracy (CRI)

82 CRI

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 warranted 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.

ELECTRICAL

Dimmable

Yes, but not recommended for dimming applications.

THD

≤25%

Power Factor

>0.9

Input Voltage

120-277V

Operating Frequency

50/60Hz

Operating Temperature

-4°F to 113°F (-20°C to 45°C)

Input Current @ 120V (mA)

200/278/353 mA

Input Current @ 208V (mA)

120/160/200 mA

Input Current @ 240V (mA)

105/140/175 mA

Input Current @ 277V (mA)

94/120/148 mA

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.

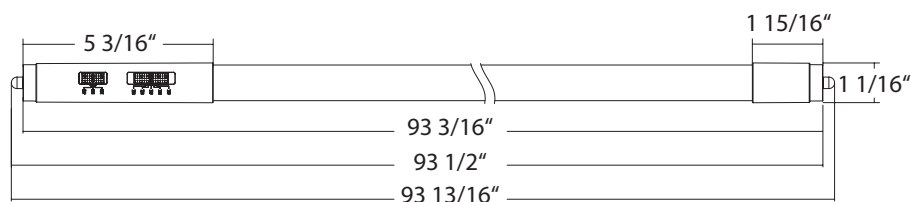
Note

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

DIMENSIONS

T8-96G-DE-BYP

Weight: 0.94 lb



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ORDERING INFO

| Catalog Number | Model Number for Certification | UPC | Case Pack |
|-----------------|--------------------------------|--------------|-----------|
| T8-96G-DE-BYP | T10277(T8-96G-DE-BYP) | 192552031011 | 10 |
| T8-96G-DE-BYP-C | T10300(T8-96G-DE-BYP-C) | 192552042680 | 10 |

ORDERING MATRIX

| Family | Length/Wattage | Material | CRI/Color Temp | Wiring Method | Installation Type |
|--------|-----------------------|------------|--|--------------------|--------------------------------|
| T8 | 96 8 ft, 24/32/40W | G Glass | Blank 80 CRI, Field-Adjustable 6500/5000/4000/3500/3000K | DE Double Ended | Blank Frosted C Clear |