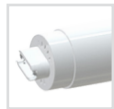


# T8 Ballast Bypass Type B



Interchangeable Base

PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



## 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

## Field-adjustable power and CCT



## 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

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

**Lens Finish**  
Frosted

**Nominal Length**  
8 ft.

**Bulb Shape**  
T8

**Enclosure Material**  
Glass

**Endcap Material**  
Plastic

**Base Type**  
Interchangeable base: FA8 or R17D

### 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](http://rablighting.com/warranty).

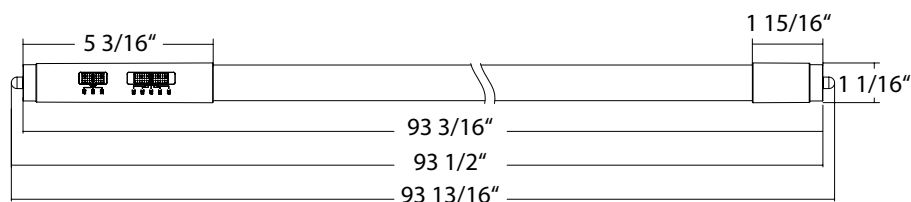
**Note**

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

## DIMENSIONS

**T8-96G-DE-BYP**

Weight: 0.94 lb



# T8 Ballast Bypass Type B



## ORDERING INFO

Catalog Number	Model Number for Certification	UPC	Case Pack
T8-96G-DE-BYP	T10277(T8-96G-DE-BYP)	192552031011	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	BYP Type B, Ballast Bypass