

LED T8 Ballast Bypass



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



Single-Ended Wiring, 0-10V Dimmable

SINGLE ENDED

80 CRI

50,000 HOURS

0-10V

SHATTER RESISTANT

COATED GLASS

DAMP RATED

RoHS

FC

KEY FEATURES

- Replacement for conventional fluorescent T8 and T12 linear tubes
- Single-ended wiring, ballast bypass
- Instant startup with frosted lens that eliminates pixelation
- Shatterproof coated glass with improved lamp durability
- Works with non-shunted sockets ONLY
- NSF Listed: NSF/ANSI Standard 2 - Food Equipment - Splash Zone (Not for Direct Food Zone without additional fixture considerations)
- For use with compatible 0-10V dimming systems, down to 10%

PERFORMANCE

Catalog Number	Length	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Color Temperature	Dim Type	L70 Lifespan
T8-7-24GC-840-SE-BYP-DIM	2 ft	17W Fluorescent	7W	1,000 lm	143 lm/W	4000K	0-10V	50,000 hrs
T8-12-36GC-840-SE-BYP-DIM	3 ft	25W Fluorescent	12W	1,550 lm	129 lm/W	4000K		
T8-12.5-48GC-835-SE-BYP-DIM	4 ft	32W Fluorescent	12.5W	1,750 lm	140 lm/W	3500K		
T8-12.5-48GC-840-SE-BYP-DIM		32W Fluorescent	12.5W	1,800 lm	144 lm/W	4000K		

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Product Type Linear Tube	Endcap Material Plastic
Length (Nominal) 2 ft, 3 ft, 4 ft	Lens Finish Frosted lens that eliminates pixelation
Bulb Shape T8	Base Type G13
Enclosure Material Glass with PET Shatter Resistant coating	

COMPLIANCE

Safety Listing UL Recognized UL Classified
Environment Suitable for use in dry and damp environments.
Fixture Rating Suitable for use in enclosed fixtures, suitable for use in open fixtures
DLC 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.
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.

ELECTRICAL

Driver Integral driver eliminates the need for external driver or ballast
THD <25%
Power Factor >0.9
Input Voltage Line Voltage: 120-277V
Operating Frequency 50/60Hz
Operating Temperature -4°F to 113°F (-20°C to 45°C)
Dimming Yes, dimmable down to 10% on compatible 0-10V dimming systems. See Dimmer Compatibility List.
Flicker <5%

INSTALLATION

Installation Method UL Type B, Ballast Bypass
Wiring Method Single-Ended wiring method use with non-shunted sockets
Base Type G13

LED CHARACTERISTICS

Beam Angle 160°
Color Temperature 4' - 3500K, 4000K 3' - 4000K 2' - 4000K Other color temperatures are available upon request with longer lead time
Color Accuracy (CRI) >80
R9 Value High color performance with R9 no less than 0
Color Consistency 5-step MacAdam Ellipse @ 3000/6500K 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

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%)

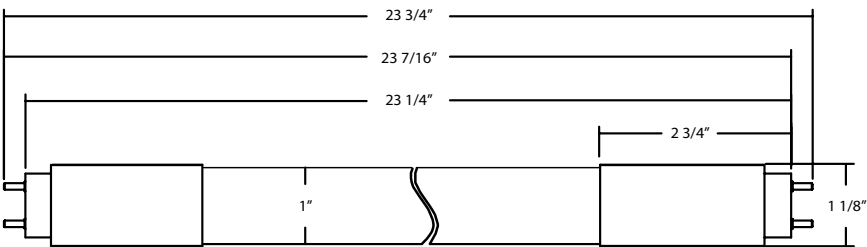
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DIMENSIONS

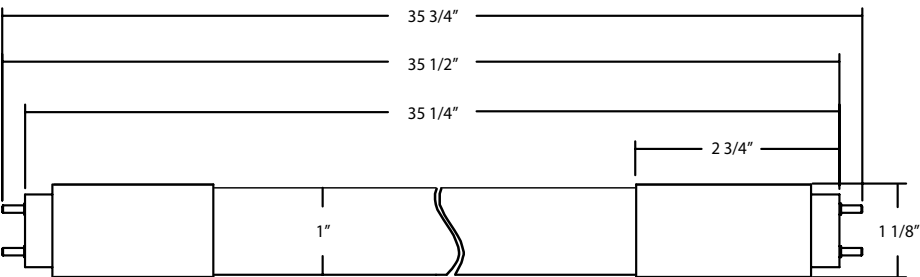
T8-7-24GC-840-SE-BYP-DIM

Weight: 0.24 lbs



T8-12-36GC-840-SE-BYP-DIM

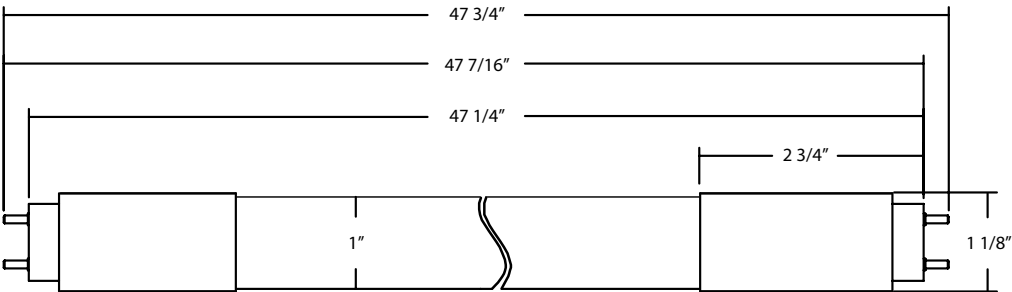
Weight: 0.35 lbs



T8-12.5-48GC-835-SE-BYP-DIM

T8-12.5-48GC-840-SE-BYP-DIM

Weight: 0.46 lbs



ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
T8-7-24GC-840-SE-BYP-DIM	T10280(T8-7-24GC-840-SE-BYP-DIM)	192552031042	25
T8-12-36GC-840-SE-BYP-DIM	T10284(T8-12-36GC-840-SE-BYP-DIM)	192552031080	25
T8-12.5-48GC-835-SE-BYP-DIM	T10287(T8-12.5-48GC-835-SE-BYP-DIM)	192552031110	25
T8-12.5-48GC-840-SE-BYP-DIM	T10288(T8-12.5-48GC-840-SE-BYP-DIM)	192552031127	25

ORDERING MATRIX

Family	Wattage		Length/Material		CRI/Color Temp		Wiring Method		Installation Type		Voltage/Dimming	
T8	-		-		-		SE		BYP		DIM	
	7	7W	24GC	2 ft Glass Coated	835	80CRI, 3500K	SE	Single Ended	BYP	Ballast Bypass Type B	DIM	Dimmable 0-10V
	12	9W	36GC	3 ft Glass Coated	840	80CRI, 4000K						
	12.5	12.5W	48GC	4 ft Glass Coated								

*3500K 4FT Only