

T8 LED Ballast Bypass Retrofit Tube Lamp

The 3M LED Advanced Light series of LED ballast bypass T8 tubes are designed to emulate the look and feel of traditional 4-foot, 32-watt fluorescent T8 tubes. Bypassing the ballast in the existing fixture is all it takes to convert existing fluorescent fixtures into long life LED units. Rated with an L70 lifetime of at least 50,000 hours, this rugged tube lamp is designed for many years of reliable maintenance-free operation.

Applications

- Office lighting
- Overhead task lighting
- Limited space mounting locations
- Damp location installation
- Walk-in coolers and freezers
- Food processing facilities

Features

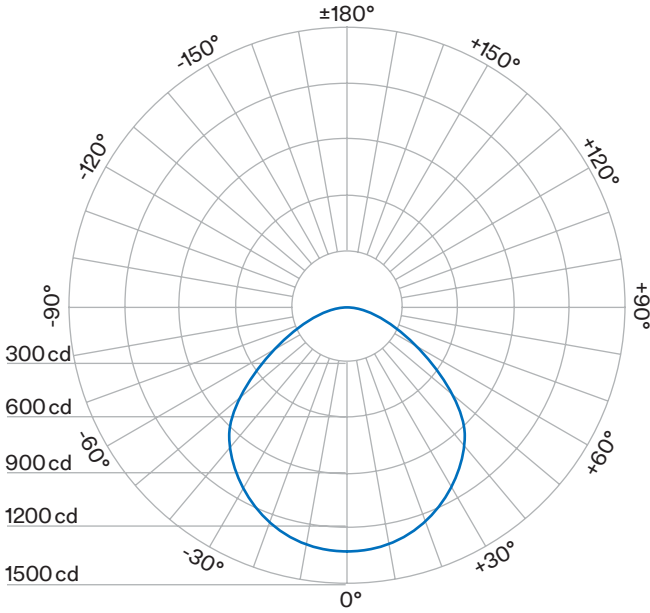
- Excellent long-term ROI savings
- No UV or IR radiation
- Simple and efficient design
- Mercury-free construction
- Uniform illumination light profile
- Suitable for totally enclosed installation

Specifications

Model		BBT8483520	BBT8484020
General	Base Type	G13	G13
	Lumen Output	2000 lm	2000 lm
	Luminous Efficacy	111 lm/W	111 lm/W
	Beam Angle	170°	170°
	Equivalent Fluorescent Wattage	32 W	32 W
Electrical	Input Power	18 W	18 W
	Input Voltage	120–277 Vac	120–277 Vac
	Power Factor	≥0.9	≥0.9
Color	Total Harmonic Distortion	≤20%	≤20%
	Color Temperature (CCT)	3500 K	4000 K
	Color Rendering Index (CRI)	≥80	≥80
	Lifetime	50000 hours	50000 hours
Operational	Warranty	5 Years	5 Years
	Dimmable	No	No
	Operating Temperature	-4°F to 113°F	-4°F to 113°F
	Environment	Damp Rated	Damp Rated
	Suitable for Totally Enclosed Install	Yes	Yes
	Weight	0.7 lbs	0.7 lbs
	Dimensions (Length x Diameter)	47.2 x 1.12 in	47.2 x 1.12 in
DLC	Yes	Yes	



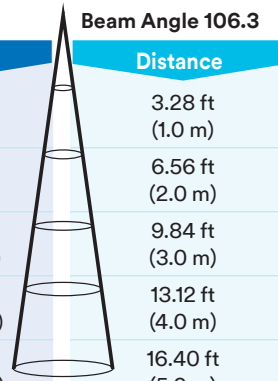
Polar Distribution Chart
(units in Candela, cd)



Polar Distribution data collected using two BBT848 tubes mounted in Lithonia 2GT8 lensed recessed troffer

Illuminance Data

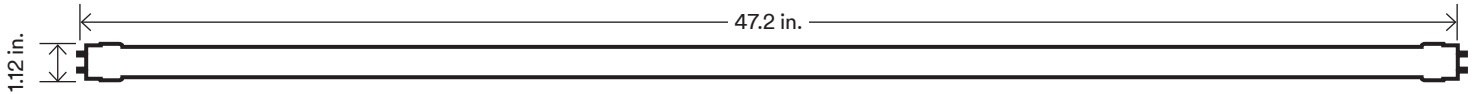
Illumination	Diameter	Distance
123.20 fc (1326 lux)	8.76 ft (266.86 cm)	3.28 ft (1.0 m)
30.79 fc (331 lux)	17.51 ft (533.72 cm)	6.56 ft (2.0 m)
13.68 fc (147 lux)	26.27 ft (800.58 cm)	9.84 ft (3.0 m)
7.70 fc (83 lux)	35.02 ft (1067.44 cm)	13.12 ft (4.0 m)
4.92 fc (53 lux)	43.78 ft (1334.30 cm)	16.40 ft (5.0 m)



Zonal Lumen Summary

Zone	Lumens	% Total
0-20	487.90	13.9%
0-30	1043.00	29.7%
0-40	1713.00	48.7%
0-60	2932.50	83.4%
0-90	3517.20	100.0%
0-180	3517.20	100.0%

Zonal Lumen data collected using two BBT848 tubes mounted in Lithonia 2GT8 lensed recessed troffer.



Cat Number	Description	Stock Number	Billing Unit	Case Quantity	MOQ	Item UPC	Case UPC	Case Dimension (L"×W"×H")	Case Weight (lbs)	Case Cube (cu. ft.)
BBT8483520	Ballast Bypass T8, 48" 3500K, UL and DLC listed	70-0800-3082-1	EA	20	1 Case	00051128944738	50051128944733	49.8" × 10" × 8.5"	15	2.45
BBT8484020	Ballast Bypass T8, 48" 4000K, UL and DLC listed	70-0800-3086-2	EA	20	1 Case	00051128944776	50051128944771	49.8" × 10" × 8.5"	15	2.45

LIMITED REMEDY: Warranted to last 5 years based on 12 hours normal use per day. 3M makes no other warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. At 3M's option, refund or replacement is the sole remedy. This Limited Warranty does not cover accident, neglect, abuse, misuse or acts of God. Liability for direct, indirect, incidental or consequential damages is expressly excluded, except where prohibited by law. For warranty claims and additional details, please visit www.3MLighting.com/LED.



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