



Introducing the **2FT Tube solution**

**BRAMAL LED**

**Replaces all T8 and T12 Fluorescent tubes**

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**Bramal LED tube solution for direct AC connection, 120Vac to 240Vac**

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#### FEATURES OF THE LED T10

- » **80,000 HOUR RATED LIFETIME**
- » **EQUIPPED WITH A UNIQUE INTERNAL CONSTANT CURRENT SOURCE<sup>†</sup>** ensuring proper electrical regulation over it's entire lifespan
- » **VIEWING ANGLE OF 120 DEGREES WITH CLEAR OR FROSTED LENS**
- » **INSTANTLY STARTS IN ANY CLIMATE CONDITION:** cold, hot or humid
- » **SAVES UP TO 70% IN ENERGY CONSUMPTION** versus conventional fluorescents lamps
- » **GENERATES LESS HEAT:** ideal for refrigerated applications and air conditioned spaces
- » **MANUFACTURED WITH THERMOPLASTIC POLYMERS:** flexible, shatterproof and recyclable
- » **ENVIRONMENTALLY FRIENDLY:** components are RoHS (free of lead, mercury and cadmium), with zero persistent and volatile organic pollutants
- » **STANDARD SIZES AVAILABLE:** 2, 3, 4, 5, 6 & 8ft and metric versions of standard sizes
- » **CUSTOM SIZES AVAILABLE**
- » **UNIQUE BUILT IN SAFTY CIRCUIT – ALL PINS MUST BE CONNECTED FOR UNIT TO POWER UP**
- » **ONE SKU FITS ALL APPLICATIONS – NO MODIFICATION OR EXTERNAL DRIVERS REQUIRED**

<sup>†</sup> Patented Canadian Innovation – PATENT NUMBER 9,232,578



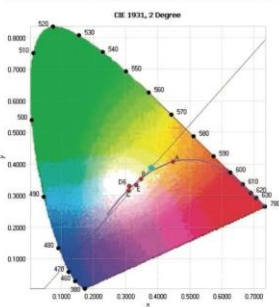
Tel: (450) 763-1443  
[BRAMALLED.COM](http://BRAMALLED.COM)



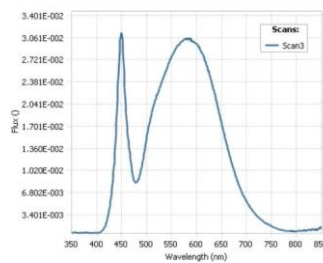
SPECIFICATIONS – LED-T10-2FT-XXXX-XXX

MODEL: 2' LED T-10		CLEAR LENS	FROSTED LENS
Power Consumption		8W	8W
Input Voltage		120, 208, 220, 240 VAC	120, 208, 220, 240 VAC
Operation Frequencies		40 Hz-70 Hz	40 Hz-70 Hz
Power Factor / THD% V/A		>0.95-0.99 / 0.5/5%	>0.95-0.99 / 0.5/4%
Luminous Efficiency (Bare Lamp)	3500K	118 lm/W	106 lm/W
	4200K	120 lm/W	109 lm/W
	5000K	122 lm/W	112 lm/W
Light Output (Bare Lamp)	3500K	944 lm	848 lm
	4200K	960 lm	872 lm
	5000K	976 lm	896 lm
Color Rendering Index (CRI)	3500K	81	
	4200K	83	
	5000K	84	
Standard Color Temperatures		3500K / 4200K / 5000K	
Lumen Maintenance L <sub>70</sub>		97%	
Ambient Operating Temperature		20°C (-40 to +40°C)	
Length (FACE TO FACE)		23 1/10" or 588mm	
Length (Pin to Pin)		23 11/16" or 603mm	
Lifespan		80 000+ hours	
Warranty		5 years standard	
Construction		Thermoplastic polymers	
Certifications		C.S.A C22.2 – 1993, C22.2 – 250.0 TIL – 79 UL 1993, 1598, 1598C, 8750 NSF 2, 51, 169 (sanitation pending) FCC part 15 & 18	

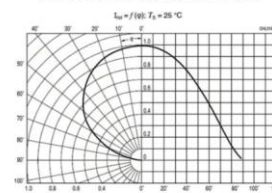
CIE 1931 CHROMATICITY DIAGRAM



SPECTRAL FLUX GRAPH



RADIATION CHARACTERISTIC



For More information contact [info@Bramalled.com](mailto:info@Bramalled.com) or call 450 763 1443

For Orders, please contact [PO@Bramalled.com](mailto:PO@Bramalled.com)

Build your Bramal LED tube spec

LED-T10-XXFT-(Metric)-XXXX-End cap Example LED-T10-4FT-4200-G13 (4FT, 4200k, with G13 end cap)

Note datasheet values subject to +/- 5% tolerance

**Warning - not all ballasts are compatible with LED tubes, please read our disclaimer notice in the documents section of our site or contact our technical team for more information prior to installation.**

