



T8 LED

Linear 4' Direct Line Voltage tube

32W and 28W fluorescent equivalents

Leapfrog Lighting's UL/cUL listed, DLC certified, T8 Direct Line Voltage tube provides industry-leading light quality, output power, and efficacy as a result of our optics and high-efficiency, high-reliability LED source and driver electronics. Direct replacement for T8 and T12 tubes. DLC certified for damp environments and for installation in totally enclosed fixtures.

Features

- Innovative soft light, anti-glare technology
- No hum, strobing or flickering
- Internal driver--no external ballast or starter needed
- Available in clear or frosted
- DLC certified for damp environments and for installation in totally enclosed fixtures
- Available in a variety of CCTs
- High efficacy and power factor
- Comprehensive five-year warranty

LIGHT QUALITY

Evenly distributed, soft, no glare light

APPLICATIONS

UL/cUL approved for indoor use or outdoor use in approved fixtures

LIFE EXPECTANCY

50,000 hours

PERFORMANCE

High light output, high efficiency, wide beam angle light source

COLOR

Ultra-consistent color temperature control critical to multi-tube applications with pleasing CCT options

WATTAGE EQUIVALENCY

32 Watt and 28 Watt fluorescent equivalents

SPECIFICATIONS

CCT ¹	CRI ²	LM	W	LM/W	PART
3000K	>82	2550	18	141	1009-N4Δ18-30111
3000K	>82	1700	15	113	1009-N4Δ15-30111
4000K	>82	2600	18	144	1009-N4Δ18-40111
4000K	>82	1750	15	117	1009-N4Δ15-40111
5000K	>82	2750	18	152	1009-N4Δ18-50111
5000K	>82	1875	15	125	1009-N4Δ15-50111

Δ Cover finish type. Input one of the following when ordering: C = Clear | F = Frosted

OPTICAL	
Duv ⁵	< ±0.006

1. Tolerances as per ANSI C78.377-2008 Nominal CCT categories
2. CRI refers to the "General CRI" described as Ra in CIE 13.3
3. Lifetime as defined by IESNA LM-80
4. Compatible with ANSI C78.21-2011 dimensional requirements
5. Duv values and tolerances as per ANSI C78.377-2008 Nominal CCT, Table 1, page 8

GENERAL		ELECTRICAL	
Min. lifetime ³	50,000 hours	Operating voltage range	120-277 VAC
Base type	G13	Power factor	> 0.92
Weight	13.3 oz		
Operating Temp.	-25C to +40C		
Dimensions ⁴	T8		



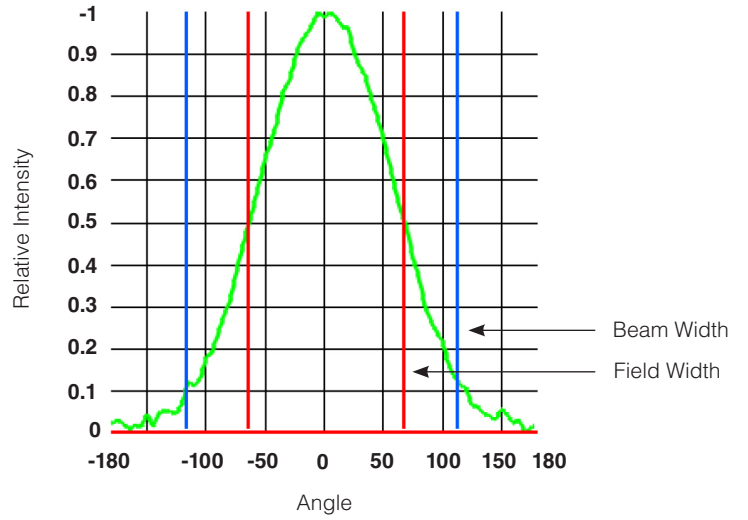
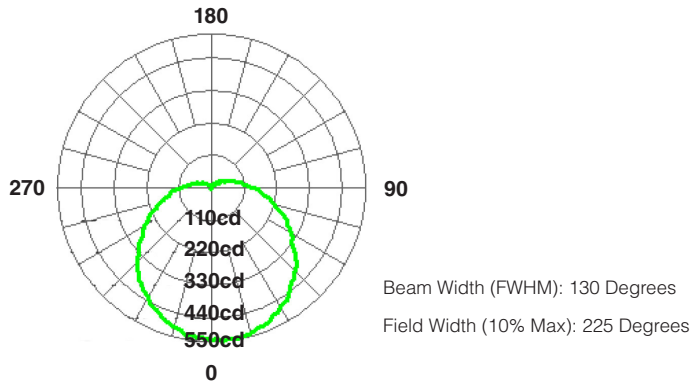
Contact

Head Office
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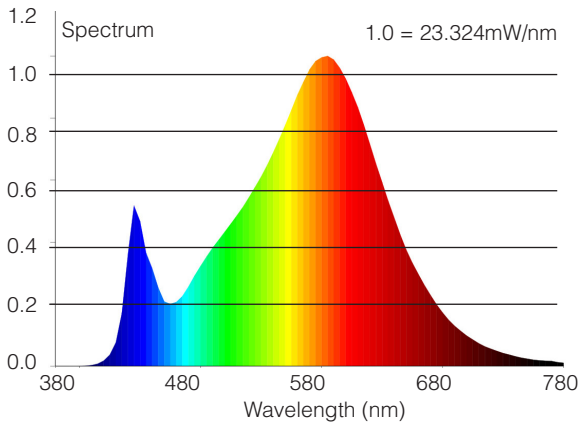
North America (toll free):
1-800-396-9109

sales@leapfroglighting.com
www.leapfroglighting.com

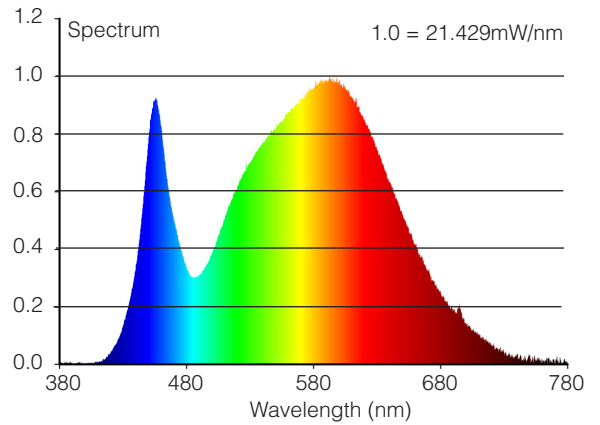
POLAR INTENSITY DIAGRAMS
3000K / 4000K



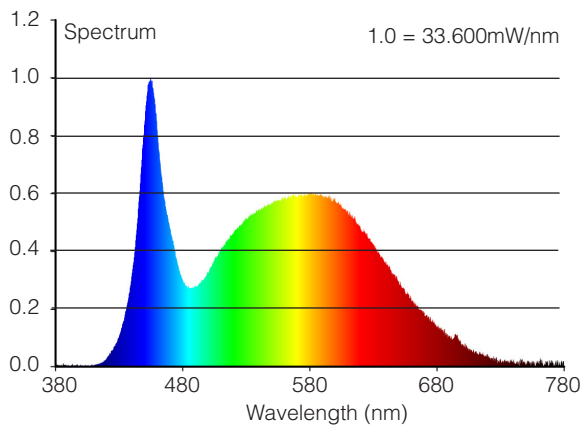
SPECTRAL POWER DISTRIBUTION
3000K



4000K



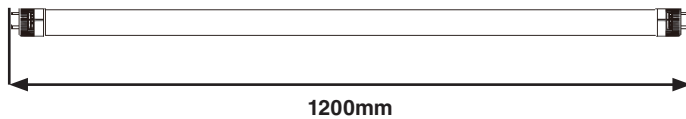
5000K



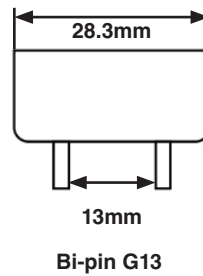
T8 TRANSFORMER COMPATIBILITY (North America)

Leapfrog Lighting's T8 LED tubes contain an internal driver and therefore are not compatible with inductive or electronic ballasts. The internal driver removes the need for a ballast or starter. Works with any approved fixture off direct inline voltage (120-277-Volt AC).

DIMENSIONS



BASE TYPE



APPLICATION NOTES

UL approved for dry locations

Ambient temperature within -20 to +40 °C. The lamp body temperature is 50 °C (ideal temperature) when ambient temperature is 25 °C.

SAFETY NOTES

Warning: Risk of electric shock

Do not disassemble (no user serviceable parts)

Turn off power before inspection, installation or removal.

WARRANTY

If the tube fails to meet our specifications during the first 60 months, we'll replace it.

For additional warranty information, please refer to <http://www.leapfroglighting.com/resources/>.

