

Instant Start Ballast Compatible



3 FOOT LED T8/T12 REPLACEMENT TUBE

LED T8/T12 replacement tube for all fixtures that use 4' florescent tubes. This tube is compatible with most Instant Start and Electronic Ballasts. It will work with or without the ballast (direct wired). However it is recommended to remove the ballast which will save additional energy. The LED tube uses less power than your standard T8 tubes. Based on L70 standards the LED lamp will last up to and beyond 50,000 hours. The aluminum heat sink has cooling fins that help extend the life time of the lamp. The lamp has an internal isolated driver. No external driver to mount in your fixture.

PROJECT NAME
MODEL NUMBER
NOTES
FIXTURE TYPE
ROOM

CONSTRUCTION

Acrylic diffuser provides an even distribution of light with very little break-age compared to fluorescent lamps. The body is made from aluminum for maximum heat dissipation to extend the lifetime of the lamp. The pins are standard G13 to make retrofit installation a simple process.



FEATURES

- 15 Watts
- 1950 Lumens
- Power Factor >.90
- 100-277 vac
- No RF Interference
- No hazardous materials
- 50,000 + hours lifespan
- Easy to retrofit
- 2 sided power

Example: TL-3-15-4000-FR

MODEL NUMBER	WATTS	COLOR TEMP	LENS

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TL-3	15	3000k	FR = FROSTED
		4000k	CL = CLEAR
		5000k	

TUBE WATTAGE	LUMENS	Voltage	LIFE	Pack Type	Case pack
15	1950	100-277Vac	>50,000 Hrs	Box	30



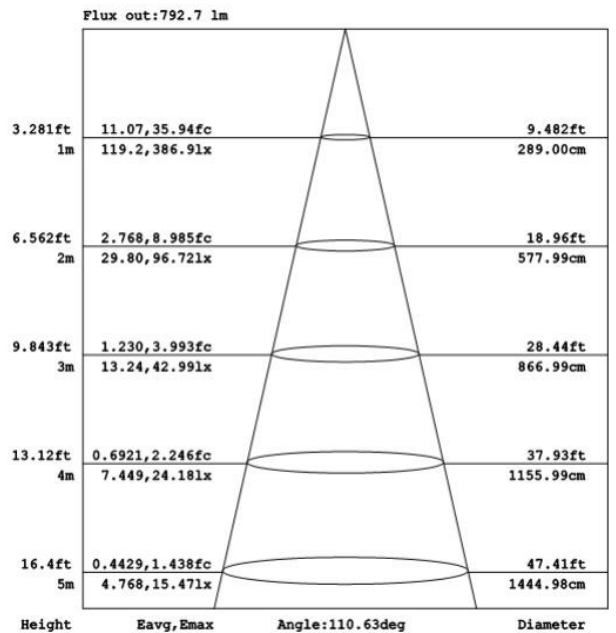
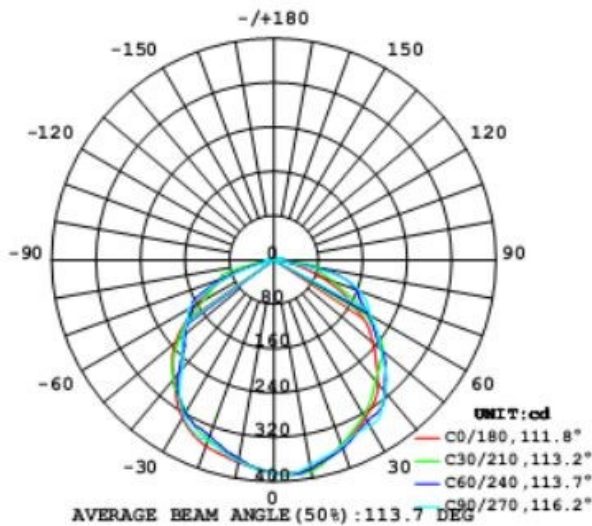
LED LUMINA USA

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SPECIFICATIONS

Item	Specification	15 Watt
General Performance	Color Temperature	5000k
	Lumens	1950
	Efficacy	130 LM/W
	Color Consistency	Proprietary LED Binning
	Lumen Maintenance (L70)	>50,000 hours
Electrical	Power Factor	>90%
	Input Voltage	120 - 277 Vac 50/60 Hz
	Power Consumption	15 Watts
Physical	Dimensions	35.35" Length 1.02" Dia
	Weight	.66 lbs
	Housing	Aluminum
	Optics	Light Refraction/ Acrylic Diffusion
	Mounting	Fits standard 3' fixtures
	Operating Temperature	-20°F - +A21Certifications130°F
Certifications	Certification	UL / CE / RoHS
	Environment	Indoor Use
	LED Class	L70 rated to >50,000 hours

Illuminance Plots- Goniophotometer Method



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.