



LED T8/T10 Tube Light: White \ 2-Pin \ 3 Ft \ Frosted Lens

LED36T8SM-216-XPW-001WF

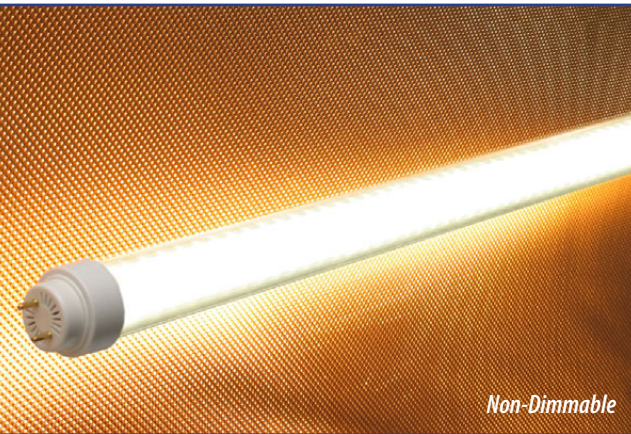


Long-Life, Energy-Efficient Drop-In Replacement for Standard 36" Fluorescent Tubes in 2-Pin G13 Base

Operates on 90-to-290VAC — Consumes Only 13 Watts — Frosted Lens — 5000K Pure White — Premium SMD LEDs

FEATURES

- Lamp Warranty:** 3 Years
- Low Power Consumption:** Only 13 Watts
- Wide Input Voltage Range:** 90-290VAC Accommodates N. American or European Currents
- Long Operating Life:** White LED Lasts up to 50,000+ Hours
- Wide-Angle 115° Beam Pattern**
- Solid Construction:** UV-Stabilized Polycarbonate Lens, Aluminum Body
- Easy Installation:** Direct Retrofit into Most Fluorescent Fixtures Using Existing Sockets [with line voltage bypassing ballast/transformer/starter directly to fluorescent sockets]
- Even Lighting:** High Intensity / No Halation
- No Buzzing, No Flickering**
- High CRI of 75** Enhances All Colors
- Eco-Friendly:** ROHS Compliant



APPLICATIONS

- Office Lighting
- General & Street Sign Backlighting
- Task Lighting, Under Cabinets/Counters
- Display Cases
- Coolers, Freezers
- Interior Design Uses
- Retail Store Displays

Ideal for Use with Alternate or Renewable Energy Resources – Solar & Wind Power

BENEFITS

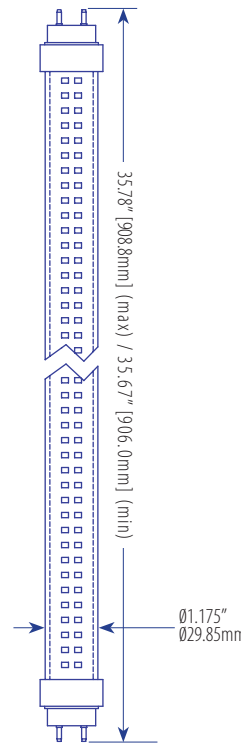
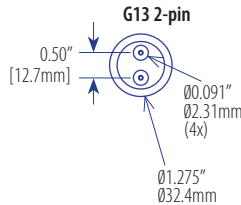
- Major Power Savings:** Compared to Fluorescents, Close to 50% Less Power Usage Dramatically Reduces Energy Costs
- Solid State:** High-Shock & Vibration-Resistant Body with Polycarbonate Lens Eliminates the Hazard of Glass Tube Breakage or the Additional Expense of Light-Robbing Plastic Tube Guards – A Major Problem in the Food Industry and Food Displays
- No Radiation:** No Ultraviolet, No Infrared, No RFI/EMI/HD Problems Related to Fluorescents in Hospital Radiology Areas, Sensitive Instruments, Etc.
- Environment-Friendly:** Eliminates the Mercury Hazard Present in the Fluorescent Tubes; Recyclable
- Lower-Maintenance:** Lowers Costs by Reducing Re-lamp Frequency, Especially in Difficult to Reach Areas that Require Lifts, Ladders, Scaffolding...
- Cool Operation:** Remains Cool to the Touch – Less Fire Hazard
- Flexible Ambient Temperatures:** Greater Performance in Cold Freezer-Type Applications Where Fluorescents Have Higher Failure Rates

CUSTOM OPTIONS

[For qualified applications & large-quantity OEM orders]

- Other Colors / White Color Temperatures
- Other Lengths

LED T8 tube lamps are patent-protected in the US. LEDtronics is a licensed manufacturer under this patent.



SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	LED36T8SM-216-XPW-001WF
Viewing Angle	V105° / H115° [Full Beam Width @ 50% Intensity]
Input Voltage	90-290VAC [Tested @ 120VAC]
Energy Used	13.1 Watts typ. / 15.0 Watts max
Input Current	0.110 A
Efficacy	69.0 lm/W
Power Factor	≥0.99
Emitted Color	Pure White
Color Temperature	4500K ~ 5000K
Color Rendering Index	75
Total Lumens	905 lm
Max. Candela	312 cd
Ambient Humidity	≤95%
Ambient Temperature	~-22°F to ~+122°F (~-30°C to ~+50°C)
Lamp Shell	Polycarbonate Lens / Aluminum Body
Dimensions	L35.78" x DØ1.175" (L908.8mm x DØ29.85mm)
Weight	0.725 lb / 11.60 oz / 329 g



www.LEDtronics.com

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Check LEDTRONICS.COM for latest data. Printed material may be outdated.

High-Power LED T8 Frosted Tube Light, Bi-Pin, 3 Ft (908mm)

LED36T8SM-216-XPW-001WF

Luminaire Photometric Report

Filename: LED36T8SM-216-XPW-001WF

Manufacturer: LEDTRONICS -

Luminaire: FROSTED LENS, 13.1W, 120VAC

Luminaire Cat: LED36T8SM-216-XPW-001WF

Lamp: . LUMEN RATING: 905.1Lms.

Lamp Output: 1 lamp(s), rated lamp lumens: 905.1

Max Candela: 312.0 at Horizontal: 0, Vertical: 0

Luminous Opening: Point

Test: 9-21-10

Flood Summary

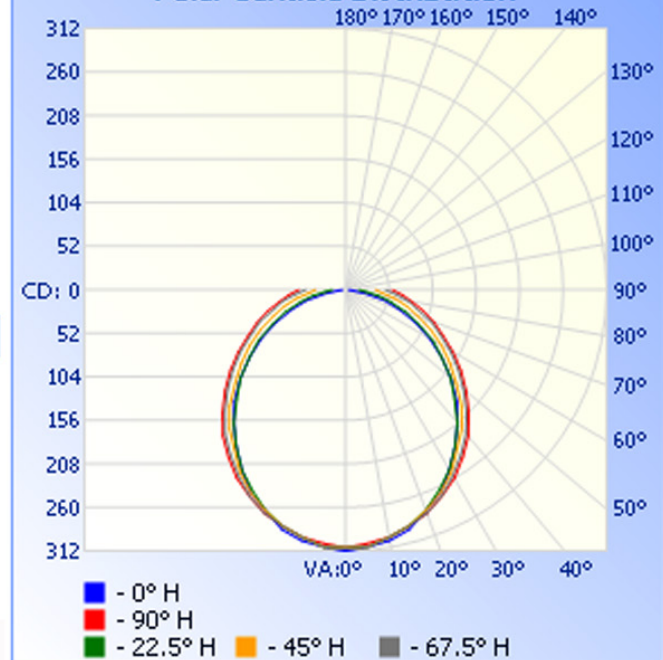
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.3%	898.8	n/a	158.4
Beam (50%):	65.1%	588.8	116	103.3
Total:	100%	905.1		

Illuminance at a Distance

Distance	Center Beam FC	Beam Width	Beam Width
1.7ft	112.32 fc	4.2ft	5.3ft
3.3ft	28.08 fc	8.4ft	10.7ft
5.0ft	12.48 fc	12.6ft	16.0ft
6.7ft	7.02 fc	16.9ft	21.3ft
8.3ft	4.49 fc	21.1ft	26.7ft
10.0ft	3.12 fc	25.3ft	32.0ft

■ Vert. Spread: 103.3° ■ Horiz. Spread: 116.0°

Polar Candela Distribution



Isofootcandle Plot

