



LED T8/T10 Tube Lights: White\2-Pin\3 Ft\Clear Lens

LED36T8SM-216-XxW-001W

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

Operates on 90-to-290VAC — Consumes 12 Watts — 3000K/4000K/5000K White Colors – Premium SMD LEDs

FEATURES

- **Lamp Warranty:** 3 Years
- **Low Power Consumption:** Only 12 Watts
- **Wide Voltage Range:** 90-290VAC
Accommodates N. American or European Currents
- **Long Life:** White LEDs Last up to 50,000+ Hours of Continuous Operation
- **Wide-Angle:** 110° Beam Pattern
- **Solid Construction:** UV-Stabilized Polycarbonate Lens, Aluminum Body
- **Easy Installation:** Direct Retrofit into Most Fluorescent Fixtures Using Existing G13 Sockets [with line voltage bypassing ballast/transformer/starter directly to fluorescent sockets]
- **Even Lighting:** High Intensity / No Halation
- **No Buzzing, No Flickering**
- **High CRI** Enhances All Colors
- **Eco-Friendly:** ROHS Compliant



White LED technology and LED T8 tube lamps are patent protected in the United States. LEDtronic, Inc., is a licensed manufacturer under these patents.

Only companies such as LEDtronic that are licensed under the U.S. Patent holder are allowed to manufacture, sell or use LED-based replacement light tubes.

SPECIFICATIONS

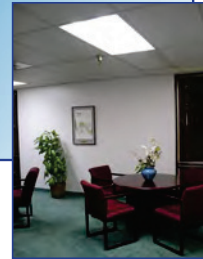
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	LED36T8SM-216-XxW-001W
Input Voltage	90-290VAC [Tested @120VAC]
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	1.37 lb / 21.9 oz / 621.4 g

Non-Dimmable



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



Office illuminated with LEDtronic LED fluorescent-replacement tube lights

APPLICATIONS

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

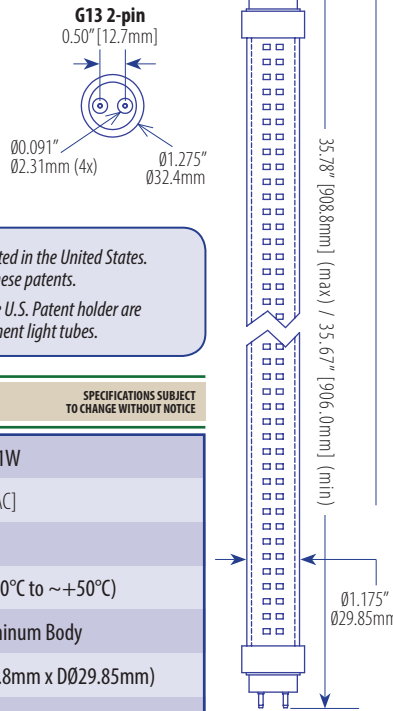
BENEFITS

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

CUSTOM OPTIONS

[For qualified applications & large-quantity OEM orders]

- **Viewing Angles** Available: 20°, 40° and 60°
- **Other Colors and White Color Temperatures**



PART NUMBER	INPUT CURRENT	ENERGY USED (typ)	EFFICACY	POWER FACTOR	TOTAL LUMENS	MAXIMUM CANDELA	CRI	COLOR TEMP.	EMITTED COLOR	VIEWING ANGLE*
LED36T8SM-216-XIW-001W	97 mA	11.6 Watts	68 lm/W	0.99	790 lm	297 cd	79	2800K~3200K	Warm White	105° x 110°
LED36T8SM-216-XWW-001W	~96 mA	~11.6 Watts	-	~0.99	~946 lm	~338 cd	74	4000K~4500K	Natural White	110° x 110°
LED36T8SM-216-XPW-001W	95 mA	11.3 Watts	93 lm/W	0.99	1,056 lm	375 cd	76	4500K~5000K	Pure White	110° x 110°

(*Full Beam Width @ 50% Intensity)

LED36T8SM-216-XIW-001W

Luminaire Photometric Report

Filename: LED36T8SM-216-XIW-001W

Manufacturer: LEDTRONICS

Luminaire: CLEAR LENS, 11.6W, 120VAC

Luminaire Cat: LED36T8SM-216-XIW-001W

Lamp: LUMEN RATING: 790, 2lms.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 790, 2

Max Candela: 297.0 at Horizontal: 0°, Vertical: 0°

Luminous Opening: Point

Test: 3-29-11

Zonal Lumen Summary

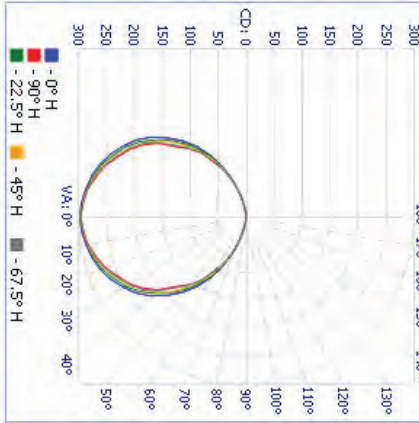
Zone	Lumens % Lamp	% Luminaire
0-30	226.0	28.6%
0-40	369.1	46.7%
0-60	641.6	81.2%
60-90	148.6	18.8%
70-100	57.8	7.3%
90-120	0	0%
0-90	790.2	100%
90-180	0	0%
0-180	790.2	100%

Illuminance at a Distance

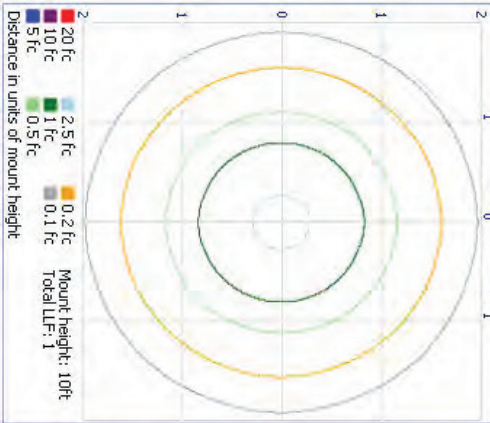
Center Beam FC	Beam Width
1.7ft	4.9ft 4.4ft
3.3ft	26.73ft 9.8ft 8.8ft
5.0ft	11.88ft 14.7ft 13.2ft
6.7ft	6.68ft 19.6ft 17.5ft
8.3ft	4.28ft 24.6ft 21.9ft
10.0ft	2.97ft 29.5ft 26.3ft

Vert. Spread: 111.7° Horiz. Spread: 105.5°

Polar Candela Distribution



Isofootcandle Plot



LED36T8SM-216-XPW-001W

Luminaire Photometric Report

Filename: LED36T8SM-216-XPW-001W

Manufacturer: LEDTRONICS

Luminaire: CLEAR LENS, 11.3W, 120VAC

Luminaire Cat: LED36T8SM-216-XPW-001W

Lamp: LUMEN RATING: 1056, 4lms.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 1056, 4

Max Candela: 375.0 at Horizontal: 67.5°, Vertical: 0°

Luminous Opening: Point

Test: 3-29-11

Zonal Lumen Summary

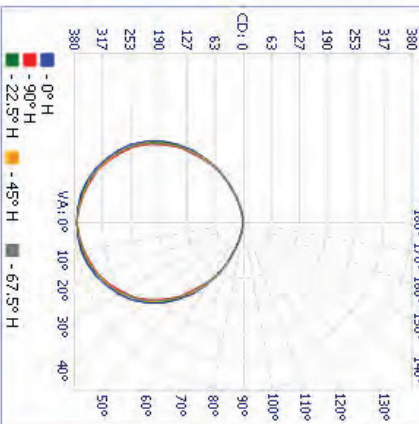
Zone	Lumens % Lamp	% Luminaire
0-30	290.8	27.5%
0-40	478.0	45.3%
0-60	841.9	79.7%
60-90	214.5	20.3%
70-100	89.2	8.4%
90-120	0	0%
0-90	1,056.4	100%
90-180	0	0%
0-180	1,056.4	100%

Illuminance at a Distance

Center Beam FC	Beam Width
1.7ft	5.0ft 4.6ft
3.3ft	33.66ft 10.1ft 9.3ft
5.0ft	14.96ft 15.1ft 13.9ft
6.7ft	8.42ft 20.2ft 18.6ft
8.3ft	5.39ft 25.2ft 23.2ft
10.0ft	3.74ft 30.3ft 27.9ft

Vert. Spread: 113.1° Horiz. Spread: 108.6°

Polar Candela Distribution



Isofootcandle Plot

