



LED T8 Tube Lights: White \ 1-Pin \ 8 Ft \ Frosted Lens

LED96T8SM-576-XxW-001WF



Long-Life, Energy-Efficient Drop-In Replacements for Standard 96" / 2,438mm Fluorescent Tubes in 1-Pin Fa8 Base

90-to-290VAC — Consumes Only 36 Watts – Equivalent to 60W Fluorescent — White 5000K, 4100K or 3000K

FEATURES

- **Lamp Warranty:** 3 Years
- **Low Power Use:** Only 36 Watts
- **Wide Input Voltage Range:** 90-290VAC
- **Long Operating Life:** White LED Lasts up to 50,000 Hours
- **Wide-Angle:** 115° Beam Pattern
- **Easy Installation:** Direct Retrofit into Most Fluorescent Fixtures Using Existing Sockets [with line voltage bypassing ballast/transformer/starter directly to fluorescent sockets*]
- **Solid Construction:** UV-Stabilized Polycarbonate Lens, Aluminum Body
- **Even Lighting:** High Intensity / No Halation
- **No Buzzing, No Flickering**
- **High CRI** Enhances All Colors
- **Eco-Friendly:** ROHS Compliant
- **Safety Assurance:** ETL Classified



White LED technology and LED T8 tube lamps are patent protected in the United States. LEDtronics, Inc., is a licensed manufacturer under these patents. Only companies such as LEDtronics that are licensed under the U.S. Patent holder are allowed to manufacture, sell or use LED-based replacement light tubes.

APPLICATIONS

- Office / Task Lighting
- Parking Garages
- General & Street-Sign Backlighting
- Interior Design Uses
- Retail Store Displays, Display Cases
- Coolers
- Cove Lighting / Concealed Accent Lighting, Edge Lighting
- Cubicles, Workbenches
- Closet Illumination

* Use of the ETL-listed T8 LED lamps in conjunction with bypassing the ballast does not effect the overall UL or ETL status of the fixture, since the fixture is covered by the listing of the T8 lamp and its installation instructions.



ARRA Compliant



Intertek

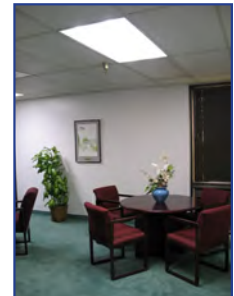
SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	LED96T8SM-576-XxW-001WF
Input Voltage	90-290VAC [Tested @ 120VAC]
Power Factor	0.99
Ambient Humidity	≤95%
Ambient Temp. Range	~-22°F to ~+122°F ~-30°C to ~+50°C
Lamp Shell	Polycarbonate Lens / Aluminum Body
Dimensions	L94.00 in (max MOL) x DØ1.18" L2388mm (max MOL) x DØ30mm
Weight	3.088 lb / 1.4 kg

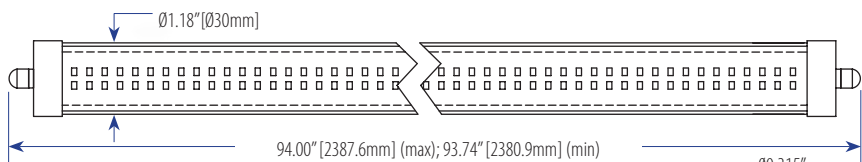
BENEFITS

- **Major Power Savings:** Up to 40% Less Power Usage than Fluorescents
- **Solid State:** High-Shock & High-Vibration-Resistant Body with Polycarbonate Lens Eliminates Hazard of Glass Tube Breakage Or Additional Expense of Light-Robbing Plastic Tube Guards, As in Food Industry
- **No Radiation:** No Ultraviolet Or Infrared, No RFI/EMI/HD Problems Related to Fluorescents
- **Lower-Maintenance:** Lowers Costs by Reducing Re-Lamp Frequency, Especially in Difficult-to-Reach Areas that Require Lifts, Ladders...
- **Cool Operation:** Remains Cool to the Touch
- **Environment-Friendly:** Eliminates the Mercury Hazard Present in Fluorescent Tubes; Recyclable
- **Flexible Ambient Temperatures:** Greater Performance in Cold Freezer-Type Applications Where Fluorescents Have Higher Failure Rates



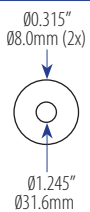
Office illuminated with LEDtronics LED fluorescent-replacement tube lights

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



PART NUMBER	INPUT CURRENT	ENERGY USED (typ)	EFFICACY	TOTAL LUMENS	MAXIMUM CANDELA	CRI	COLOR TEMP.	EMITTED COLOR	VIEWING ANGLE *
LED96T8SM-576-XIW-001WF	0.300 A	35.6 Watts	50 lm/W	1782 lm	640 cd	79	2800K~3200K	Warm White	110°
LED96T8SM-576-XWW-001WF	0.308 A	36.8 Watts	58 lm/W	2147 lm	764 cd	74	4100K	Natural White	110°
LED96T8SM-576-XPW-001WF	~0.315 A	~37.6 Watts	~67 lm/W	~2693 lm	~894 cd	76	4500K~5000K	Pure White	~ 115°

(*Full Beam Width @ 50% Intensity)



www.LEDtronics.com

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Creating the Future of Light Since 1983™

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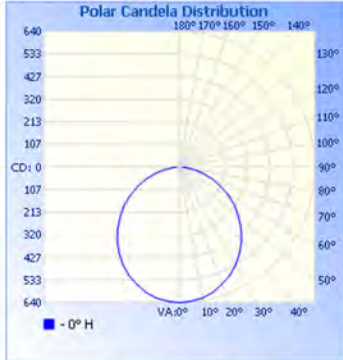
Check LEDTRONICS.COM for latest data. Printed material may be outdated.

LED96T8SM-576-XIW-001WF

Luminaire Photometric Report
Filename: LED96T8SM-576-XIW-001WF
Manufacturer: LEDTRONICS -
Luminaire: FROSTED LENS, 35.6W, 120VAC
Luminaire Cat: LED96T8SM-576-XIW-001WF
Lamp: LUMEN RATING: 1782.4Lms.
Lamp Output: 1 lamp(s), rated lamp lumens: 1782.4
Max Candela: 640.0 at Horizontal: 0, Vertical: 0
Luminous Opening: Point
Test: 1-21-11

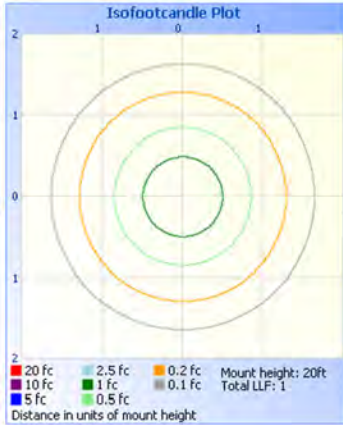
Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	491.8	27.6%	27.6%
0-40	801.7	45%	45%
0-60	1,403.1	78.7%	78.7%
60-90	379.3	21.3%	21.3%
0-90	1,782.4	100%	100%
0-180	1,782.4	100%	100%

Total Efficiency: 100%



Illuminance at a Distance		
Center Beam FC	Beam Width	
3.3ft	57.60 fc	9.5ft
6.7ft	14.40 fc	19.0ft
10.0ft	6.40 fc	28.6ft
13.3ft	3.60 fc	38.1ft
16.7ft	2.30 fc	47.6ft
20.0ft	1.60 fc	57.1ft

■ Beam Spread: 110.0°

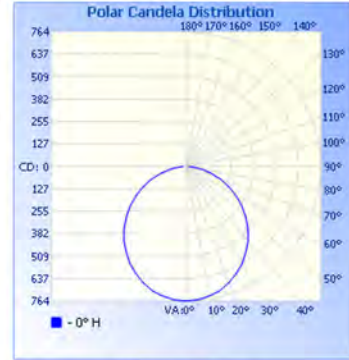


LED96T8SM-576-XWW-001WF

Luminaire Photometric Report
Filename: LED96T8SM-576-XWW-001WF
Manufacturer: LEDTRONICS -
Luminaire: FROSTED LENS, 36.8W, 120VAC
Luminaire Cat: LED96T8SM-576-XWW-001WF
Lamp: LUMEN RATING: 2146.5Lms.
Lamp Output: 1 lamp(s), rated lamp lumens: 2146.5
Max Candela: 764.0 at Horizontal: 0, Vertical: 0
Luminous Opening: Point
Test: 1-24-11

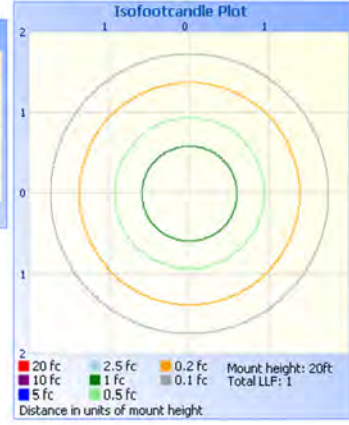
Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	587.4	27.4%	27.4%
0-40	958.0	44.6%	44.6%
0-60	1,682.4	78.4%	78.4%
60-90	464.1	21.6%	21.6%
0-90	2,146.5	100%	100%
90-180	0	0%	0%
0-180	2,146.5	100%	100%

Total Efficiency: 100%



Illuminance at a Distance		
Center Beam FC	Beam Width	
3.3ft	68.76 fc	9.6ft
6.7ft	17.19 fc	19.2ft
10.0ft	7.64 fc	28.7ft
13.3ft	4.30 fc	38.3ft
16.7ft	2.75 fc	47.9ft
20.0ft	1.91 fc	57.5ft

■ Beam Spread: 110.3°



CUSTOM OPTIONS [For qualified applications & large-quantity OEM orders]

- **Viewing Angles:** Beams 20° / 40° / 60°
- **Other Colors** and White Color Temperatures