



White LED T8/T12 Tubelight s/Single-Pin, 8 Ft, Clear Lens Replaces Standard T8/T12 Single-Pin Fa8 Fluorescent Tubes

LED96T8-576-xxW-001W



Energy-Efficient Drop-In Replacements* for 96" (2438mm) Fluorescent Tubes in Fa8 One-Pin Base

Pure Daylight or Warm White – Consumes Less than 39 Watts – Operates on 100-290VAC Range

FEATURES

- **Lamp Warranty:** 3 Years
- **Low Power Consumption:** ~38W
- **Long Operating Life:** White LED up to 50,000+ Hours (5.7+ Years)
- **Flexible Voltage Range:** 100 - 290VAC Accomodates North American or European Currents
- **Installation:** Designed as a Direct Retrofit into Most Fluorescent Fixtures Using Existing Sockets [*With line-voltage bypassing ballast]
- **Solid Construction:** UV-Stabilized Polycarbonate Lens, Aluminum Body
- **Even Lighting:** High intensity / No Halation
- No Buzzing
- **Wide-Angle 124° Beam Pattern**
- **Safety Assurance:** RoHS & CE Compliant



SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	LED96T8-576-SIW-001W	LED96T8-576-TPW-001W
Beam Pattern	124° Wide Angle	
Input Voltage	100 - 290VAC [Tested @120VAC]	
Energy Used	35.5 Watts typ., 40W max.	38.2W typ., 40W max.
Input Current	297mA	312 mA
Efficacy	75.7 lm/W	82.1 lm/W
Power Factor	≥0.99	≥0.99
Emitted Color	Warm White	Pure Daylight White
Color Temperature	3000K	5000K
Total Lumens	2,687 lm	3,101 lm
Max. Foot Candela	808.0 cd	936.0 cd
Harmonic Factor	Current: 1.6% — Voltage: 19.1%	
Ambient Humidity	≤95%	
Ambient Temperature	~-22°F to ~+122°F (~-30°C to ~+50°C)	
Base	Fa8 1-Pin	
Lamp Shell	Polycarbonate Lens / Aluminum Body	
Dimensions (w/o pins)	L93¼" x DØ1.18" (L2,368.5mm x DØ30mm)	
Weight	2.61 lb / 1,185 g	



BENEFITS

- **Major Power Cost Savings:** Close to 50% less energy usage dramatically reduces costs
- **Solid State:** High-shock and high-vibration-resistant body with polycarbonate lens eliminates the hazard of glass tube breakage – a major problem in the food industry, food displays
- **No Radiation:** No Ultraviolet or Infrared, No RFI/EMI/HD problems related to fluorescents in hospital radiology areas, sensitive instruments, etc.
- **Eco-Friendly:** No harmful mercury or other toxic elements; eliminates the mercury hazard present in CFL and fluorescent tubes – Recyclable
- **Lower-Maintenance:** Lowers costs by reducing re-lamp frequency – Major labor savings wherever tubes are in difficult-to-reach areas and require lifts, ladders...
- **Flexible Ambient Temperatures:** Much better performance in cold freezer-type applications where fluorescents have high failure rates
- **Cool Operation:** Doesn't get hot to the touch – Fire-safe

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

- **Viewing Angles:** Beams 20° / 40° / 60°
- **Other Colors**
- **Other White Color Temperatures**
- **Other Lengths:** 1-ft / 2-ft

APPLICATIONS

- Office Lighting
- Recreation Vehicles, Bus/Train Interiors
- General Backlighting & Street-Sign Backlighting
- Task Lighting, Under Cabinets & Counters
- Interior Design Uses
- Retail Store Displays, Display Cases
- Coolers, Freezers
- Cove Lighting
- Concealed Accent
- Lighting, Edge Lighting
- Cubicles, Workbenches
- Closet Illumination

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LED96T8-576-SIW-001W

Luminaire Photometric Report

Filename: LED96T8-576-SIW-001W
 Manufacturer: LEDTRONICS -
 Luminaire: CLEAR LENS, 35 SW, 120VAC
 Luminaire Cat: LED96T8-576-SIW-001W
 Lamp: LUMEN RATING: 2686,6lms,
 Lamp Output: 1 lamp(s), rated lamp lumens: 2686,6
 Max Candela: 808,0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 8-5-09

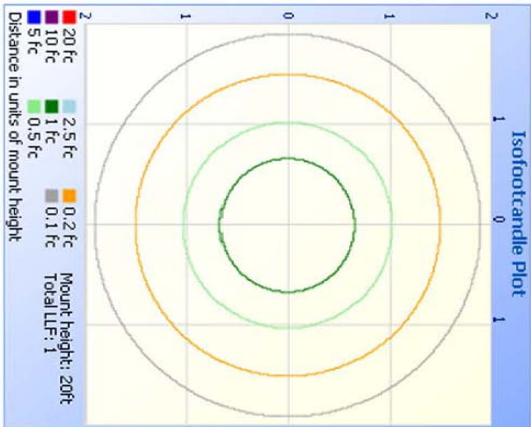
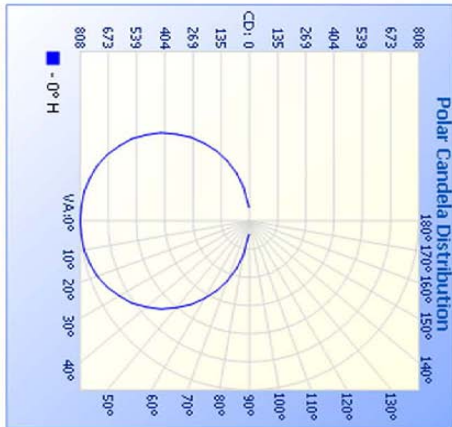
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	643,6	24%	24%
0-40	1,070,3	39,8%	39,8%
0-60	1,963,1	73,1%	73,1%
0-90	2,686,6	100%	100%
0-180	2,686,6	100%	100%

Total Efficiency: 100%

Illuminance at a Distance

Center Beam FC	Beam Width
3.3ft	72,72 fc
6.7ft	18,18 fc
10.0ft	8,08 fc
13.3ft	4,55 fc
16.7ft	2,91 fc
20.0ft	2,02 fc



LED96T8-576-TPW-001W

Luminaire Photometric Report

Filename: LED96T8-576-TPW-001W
 Manufacturer: LEDTRONICS -
 Luminaire: CLEAR LENS, 38 2W, 120VAC
 Luminaire Cat: LED96T8-576-TPW-001W
 Lamp: LUMEN RATING: 3100,9lms,
 Lamp Output: 1 lamp(s), rated lamp lumens: 3100,9
 Max Candela: 936,0 at Horizontal: 0, Vertical: 0
 Luminous Opening: Point
 Test: 8-4-09

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	740,6	23,9%	23,9%
0-40	1,233,1	39,8%	39,8%
0-60	2,267,6	73,1%	73,1%
0-90	3,100,9	100%	100%
0-180	3,100,9	100%	100%

Total Efficiency: 100%

Illuminance at a Distance

Center Beam FC	Beam Width
3.3ft	84,24 fc
6.7ft	21,06 fc
10.0ft	9,36 fc
13.3ft	5,27 fc
16.7ft	3,37 fc
20.0ft	2,34 fc

