



LED T8 Tube Light, 8 ft, 35 Watts

Clear or Frosted Lens – 100~277VAC – 4000K or 5000K White – 120° Wide Beam – UL



Replaces 60 to 72
Watt Fluorescents

FEATURES

- 5 Year LEDtronics Limited Warranty
- Direct Retrofit into 8-ft Fluorescent T8 1-Pin Fa8 Fixtures with Simple Ballast Bypass
- Energy Savings of up to 50%
- Lumen Maintenance over 70% @ 50,000+ Hours
- UL/cUL Listed (E477854, BDT88FUA-36WB-XXXX)
- Wide 120-Degree Beam, High CRI
- Lightweight Aluminum Heatsink, Polycarbonate Lens
- Even Lighting, No Buzzing or Flickering, No Halation
- No UV/IR Radiation, No RF Interference
- No Toxic Mercury or Lead – RoHS Compliant
- LED LM80 Report Available

APPLICATIONS

- Ceiling Lights in Office, Schools, Hallways
- Parking Structure & Garage Lighting
- Lighting in Production Areas, Warehouses
- Task Lighting, Cubicles, Workbenches
- Coolers, Freezers, Vending Machines
- Retail Store Display Lighting
- Transportation, Railroad, Buses
- Undercabinet or Cabinet Lights
- Light Boxes, Signage Backlighting
- Cove Lighting, Closet Illumination
- Concealed Accent Lighting, Edge Lighting

Over 35 Years of LEDtronics Design, Engineering & Manufacturing Experience

LED96T8SM-36W-XPW-101WC (Clear Lens) LED96T8SM-36W-XPW-101WF (Frosted Lens)

	101WC	101WF
Input Power	37 Watts	35.2 Watts
Input Voltage	100~277VAC (Tested @ 120VAC)	
Input Current	0.320 A	0.303 A
Total Lumens	4925 lm	6329 lm
Max. Candela	1670 cd	1180 cd
Power Factor	0.97	
Efficacy	130 lm/W	180 lm/W
Emitted Color	Pure White	
Color Temperature	5000K~5500K	
CRI	≥80	
Illumination Angle	115° x 110°	140° x 170°
Dimmability	Not Dimmable	
Oper. Temperature	-4°F to 113°F (-20°C to 45°C)	
Heatsink	Aluminum / Silver Color	
Lens	PC / Clear	PC / Frosted
Base	1 Pin / Fa8	
Dimensions	94.00 x 1.16 inch / 2388 x 29.6 mm	
Net Weight	1.27 lbs / 576 g	

1-Pin Fa8
Base



Clear or
Frosted Lens

LED96T8SM-36W-XWW-101WC (Clear Lens) LED96T8SM-36W-XWW-101WF (Frosted Lens)

	101WC	101WF
Input Power	35 Watts	37.8 Watts
Input Voltage	100~277VAC (Tested @ 120VAC)	
Input Current	0.295 A	0.326 A
Total Lumens	5170 lm	7031 lm
Max. Candela	1670 cd	1504 cd
Power Factor	0.95	
Efficacy	150 lm/W	186 lm/W
Emitted Color	Natural White	
Color Temperature	3800K~4300K	
CRI	≥80	
Illumination Angle	125° x 125°	140° x 140°
Dimmability	Not Dimmable	
Oper. Temperature	-4°F to 113°F (-20°C to 45°C)	
Heatsink	Aluminum / Silver Color	
Lens	PC / Clear	PC / Frosted
Base	1 Pin / Fa8	
Dimensions	94.00 x 1.16 inch / 2388 x 29.6 mm	
Net Weight	1.27 lbs / 576 g	

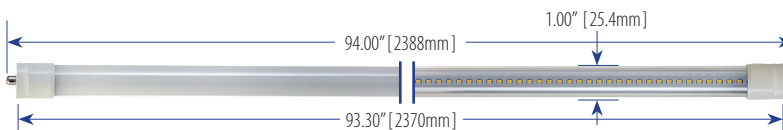
3 Mounting Clips & Screws Included



Other Watts/Lumens, Color Temperatures, Voltages & Tube Lengths Available

Available Watt/Lumen Options:

27 Watts / 2700 lm
30 Watts / 3000 lm
40 Watts / 4000 lm
45 Watts / 4500 lm



LEDTRONICS®

America's Premium Brand LED Company™



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LEDtronics.com

www.LEDTRONICS.COM

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

Luminaire Photometric Report

Filename: LED96T8SM-36W-XPW-101WF

Manufacturer: LEDTRONICS

Luminaire: FROSTED LENS, 35.2W, 120VAC

Lamp Output: 1 lamp, rated Lumens/lamp: 6329

Max Candela: 1,180.0 at Horizontal: 67.5°, Vertical: 20°

Luminous Opening: Point

Test: 9-16-19

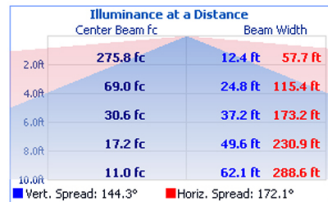
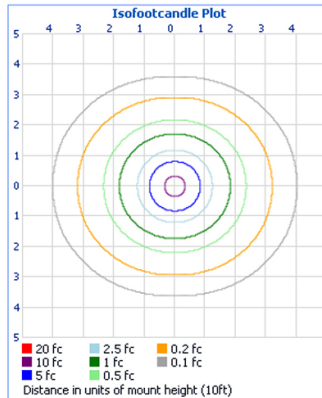
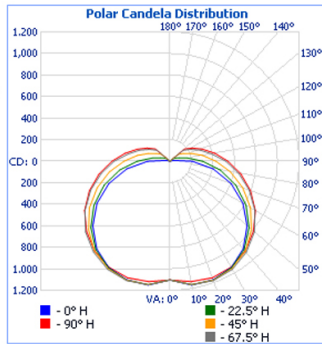
Photometry: Type C

CIE Class: Semi-Direct

Cutoff Class: Noncutoff

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	109.4	1.7%	90-100	372.3	5.9%
10-20	331.2	5.2%	100-110	248.3	3.9%
20-30	536.8	8.5%	110-120	163.6	2.6%
30-40	700.5	11.1%	120-130	104.8	1.7%
40-50	800.6	12.7%	130-140	72.8	1.1%
50-60	826.8	13.1%	140-150	59.2	0.9%
60-70	779.9	12.3%	150-160	24.6	0.4%
70-80	672.1	10.6%	160-170	0	0%
80-90	526.1	8.3%	170-180	0	0%

**Luminaire Photometric Report**

Filename: LED96T8SM-36W-XPW-101WC

Manufacturer: LEDTRONICS

Luminaire: CLEAR LENS, 37.3W, 120VAC

Lamp Output: 1 lamp, rated Lumens/lamp: 4926.1

Max Candela: 1,668.0 at Horizontal: 67.5°, Vertical: 10°

Luminous Opening: Point

Test: 4-30-19

Photometry: Type C

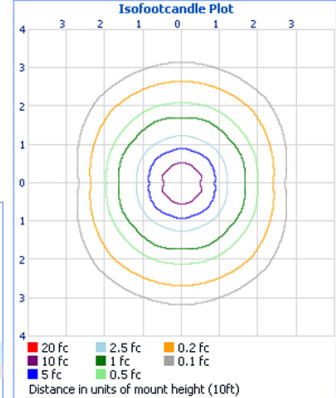
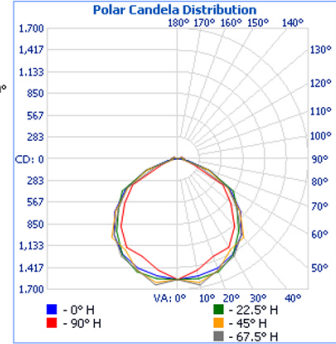
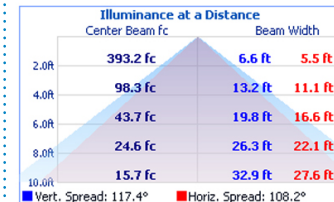
CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	152.0	3.1%	90-100	61.7	1.3%
10-20	440.6	8.9%	100-110	46.0	0.9%
20-30	677.5	13.8%	110-120	42.3	0.9%
30-40	841.0	17.1%	120-130	38.2	0.8%
40-50	880.5	17.9%	130-140	33.0	0.7%
50-60	797.6	16.2%	140-150	14.8	0.3%
60-70	565.3	11.5%	150-160	0	0%
70-80	247.4	5.0%	160-170	0	0%
80-90	88.3	1.8%	170-180	0	0%

**Luminaire Photometric Report**

Filename: LED96T8SM-36W-XWW-101WC

Manufacturer: LEDTRONICS

Luminaire: CLEAR LENS, 34.5W, 120VAC

Lamp Output: 1 lamp, rated Lumens/lamp: 5169.7

Max Candela: 1,671.0 at Horizontal: 90°, Vertical: 0°

Luminous Opening: Point

Test: 11-22-16

Photometry: Type C

CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	152.0	2.9%	90-100	46.3	0.9%
10-20	444.6	8.6%	100-110	35.3	0.7%
20-30	675.8	13.1%	110-120	31.4	0.6%
30-40	826.1	16.0%	120-130	28.3	0.5%
40-50	886.3	17.1%	130-140	0	0%
50-60	856.0	16.6%	140-150	0	0%
60-70	701.1	13.6%	150-160	0	0%
70-80	363.8	7.0%	160-170	0	0%
80-90	122.6	2.4%	170-180	0	0%

