



LED T8 Tube Lights, Type A+B Dual Mode

4 ft – 15 & 18 Watts – Frosted Glass & Film Lens – 180° Beam – 120~277VAC – G13 Base



FEATURES

- 5 Year LEDtronics Limited Warranty
- Direct Retrofit into 4-ft Fluorescent T8 Fixtures
- Energy Savings of up to 50%
- Lumen Maintenance over 70% @ 50,000+ Hours
- UL Listed (E322319)
- Extra Wide Beam, High CRI, High Lumen
- Frosted Glass & Film Lens, 2-Pin G13 Base
- Even Lighting, No Buzzing or Flickering, No Halation
- No UV/IR Radiation, No RF Interference
- No Toxic Mercury or Lead – RoHS Compliant
- LM79 & LED LM80 Reports on File



Over 35 Years of LEDtronics Design,
Engineering & Manufacturing Experience

APPLICATIONS

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

AVAILABLE OPTIONS

- Other Wattages, Voltages & CCT Colors
- Other Tube Lengths / Waterclear Lens

DUAL MODE

Works with Most T8 Fluorescent Electronic Ballast – No Ballast Bypass Required
Alternatively, Directly Installs into Ballast-Free T8 Tube Light Fixtures

Uses 15 Watts, Replaces Fluorescents up to 32W

LED48T8GD1-15W-XWW-101WF (Natural White)

LED48T8GD1-15W-XPW-101WF (Pure White)

	XWW	XPW
Color Temperature	4000K	5000K
Input Power*	15 Watts	
Input Voltage	120~277VAC (Tested @120VAC)	
Input Current	0.120A	0.125A
Total Lumens	1900 lm	
Efficacy	126.67 lm/W	
Max. Candela	385 cd	375 cd
Power Factor	0.9762	0.9652
CRI	81.9	82.4
Illumination Angle	180°	
Oper. Temperature	-4°F to 104°F (-20°C to 40°C)	
Lens	Glass & Film / Frosted White	
Base	2-Pin G13	
Dimensions	47.75 x Ø1.0 inch / 1213 x Ø25.4 mm	
Net Weight	0.48±0.03 lbs / 217.7±13.6 g	

Bypass
Double-Ended
Input

4 Ft

Frosted Glass &
Film Lens – Shatter-
resistant & Shard-free

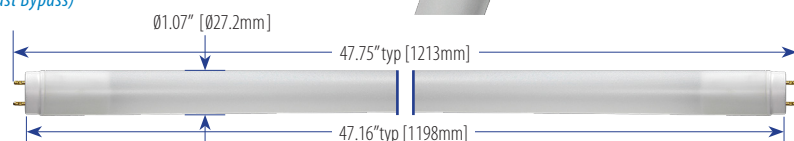
Uses 18 Watts, Replaces Fluorescents up to 40W

LED48T8GD1-18W-XWW-101WF (Natural White)

LED48T8GD1-18W-XPW-101WF (Pure White)

	XWW	XPW
Color Temperature	4000K	5000K
Input Power*	18 Watts	
Input Voltage	120~277VAC (Tested @120VAC)	
Input Current	0.150A	0.145A
Total Lumens	2100 lm	
Efficacy	117 lm/W	
Max. Candela	430 cd	385 cd
Power Factor	0.9	
CRI	82	
Illumination Angle	180°	
Oper. Temperature	-4°F to 104°F (-20°C to 40°C)	
Lens	Glass & Film / Frosted White	
Base	2-Pin G13	
Dimensions	47.75 x Ø1.0 inch / 1213 x Ø25.4 mm	
Net Weight	0.49 lbs / 7.84 oz / 222.3 g	

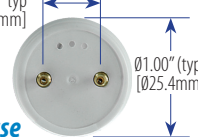
*(Ballast Bypass)



0.50" typ
[12.7mm]

*(Ballast Applied)

G13 Base



LEDTRONICS®

America's Premium Brand LED Company™



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

LED48T8GD1-15W-XWW-101WF

Filename: LED48T8GD1-15W-XWW-101WF

Manufacturer: LEDTRONICS

Luminaire: FROSTED LENS, 14.3W, 120VAC

Lamp Output: 1 lamp(s), rated Lumens/lamp: 1828.4

Max Candela: 387.0 at Horizontal: 0°, Vertical: 0°

Luminous Opening: Point

Test: 7-2-2018

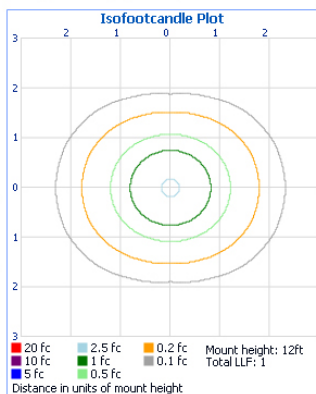
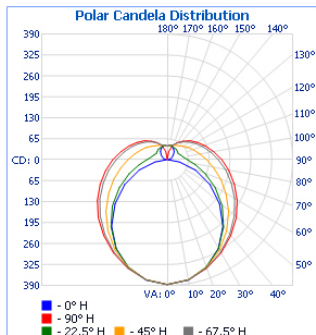
Photometry: Type C

CIE Class: Semi-Direct

Cutoff Class: Noncutoff

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	36.3	2.0%	90-100	108.9	6%
10-20	103.5	5.7%	100-110	90.7	5%
20-30	156.8	8.6%	110-120	74.3	4.1%
30-40	191.5	10.5%	120-130	59.5	3.3%
40-50	206.4	11.3%	130-140	46.2	2.5%
50-60	203.2	11.1%	140-150	33.9	1.9%
60-70	185.7	10.2%	150-160	22.7	1.2%
70-80	159.9	8.7%	160-170	12.7	0.7%
80-90	132.3	7.2%	170-180	4.0	0.2%



Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	96.75 fc
4.0ft	24.19 fc
6.0ft	10.75 fc
8.0ft	6.05 fc
10.0ft	3.87 fc
12.0ft	2.69 fc
2.0ft	5.3ft
4.0ft	10.7ft
6.0ft	16.0ft
8.0ft	21.3ft
10.0ft	26.7ft
12.0ft	32.0ft

Vert. Spread: 106.3° Horiz. Spread: 161.2°

LED48T8GD1-15W-XPW-101WF

Filename: LED48T8GD1-15W-XPW-101WF

Manufacturer: LEDTRONICS

Luminaire: FROSTED LENS, 14.6W, 120VAC

Lamp Output: 1 lamp(s), rated Lumens/lamp: 1917.8

Max Candela: 377.0 at Horizontal: 0°, Vertical: 0°

Luminous Opening: Point

Test: 7-2-2018

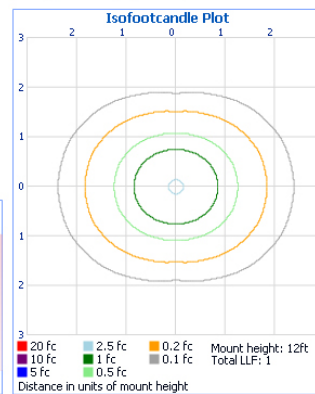
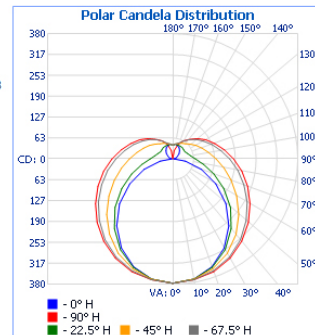
Photometry: Type C

CIE Class: Semi-Direct

Cutoff Class: Noncutoff

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	35.5	1.9%	90-100	117.9	6.1%
10-20	102.6	5.3%	100-110	98.0	5.1%
20-30	158.3	8.3%	110-120	80.0	4.2%
30-40	196.7	10.3%	120-130	63.5	3.3%
40-50	215.0	11.2%	130-140	48.6	2.5%
50-60	213.9	11.2%	140-150	35.3	1.8%
60-70	197.4	10.3%	150-160	23.5	1.2%
70-80	171.6	8.9%	160-170	13.0	0.7%
80-90	142.9	7.4%	170-180	4.0	0.2%



Center Beam FC	Beam Width
2.0ft	94.25 fc
4.0ft	23.56 fc
6.0ft	10.47 fc
8.0ft	5.89 fc
10.0ft	3.77 fc
12.0ft	2.62 fc
2.0ft	5.5ft
4.0ft	10.9ft
6.0ft	16.4ft
8.0ft	21.8ft
10.0ft	27.3ft
12.0ft	32.7ft

Vert. Spread: 107.5° Horiz. Spread: 177.5°

PHOTOMETRIC REPORTS

LED48T8GD1-18W-XWW-101WF

Filename: LED48T8GD1-18W-XWW-101WF

Manufacturer: LEDTRONICS

Luminaire: FROSTED LENS, 17.6W, 120VAC

Lamp Output: 1 lamp(s), rated Lumens/lamp: 2088.4

Max Candela: 429.0 at Horizontal: 0°, Vertical: 0°

Luminous Opening: Point

Test: 7-2-2018

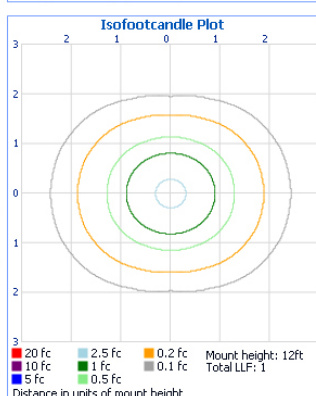
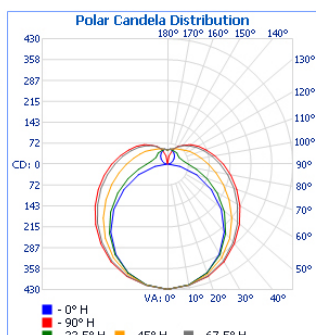
Photometry: Type C

CIE Class: Semi-Direct

Cutoff Class: Noncutoff

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	40.4	1.9%	90-100	123.9	5.9%
10-20	116.1	5.6%	100-110	103.1	4.9%
20-30	178.2	8.5%	110-120	84.8	4.1%
30-40	219.5	10.5%	120-130	68.2	3.3%
40-50	237.4	11.4%	130-140	53.0	2.5%
50-60	233.3	11.2%	140-150	39.1	1.9%
60-70	212.8	10.2%	150-160	26.2	1.3%
70-80	182.6	8.7%	160-170	14.7	0.7%
80-90	150.5	7.2%	170-180	4.6	0.2%



Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft	107.25 fc
4.0ft	26.81 fc
6.0ft	11.92 fc
8.0ft	6.70 fc
10.0ft	4.29 fc
12.0ft	2.98 fc
2.0ft	5.5ft
4.0ft	11.0ft
6.0ft	16.5ft
8.0ft	21.9ft
10.0ft	27.4ft
12.0ft	32.9ft

Vert. Spread: 107.8° Horiz. Spread: 164.5°

LED48T8GD1-18W-XPW-101WF

Filename: LED48T8GD1-18W-XPW-101WF

Manufacturer: LEDTRONICS

Luminaire: FROSTED LENS, 17.4W, 120VAC

Lamp Output: 1 lamp(s), rated Lumens/lamp: 1881.9

Max Candela: 384.8 at Horizontal: 0°, Vertical: 0°

Luminous Opening: Point

Test: 7-2-2018

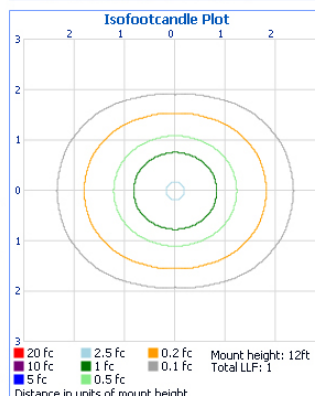
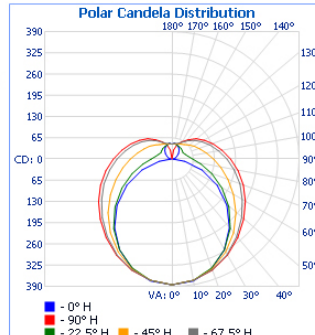
Photometry: Type C

CIE Class: Semi-Direct

Cutoff Class: Noncutoff

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	36.2	1.9%	90-100	114.0	6.1%
10-20	103.8	5.5%	100-110	94.7	5%
20-30	158.6	8.4%	110-120	77.4	4.1%
30-40	195.1	10.4%	120-130	61.7	3.3%
40-50	211.5	11.2%	130-140	47.4	2.5%
50-60	209.2	11.1%	140-150	34.4	1.8%
60-70	192.5	10.2%	150-160	23.2	1.2%
70-80	166.6	8.9%	160-170	13.3	0.7%
80-90	138.2	7.3%	170-180	4.2	0.2%



Center Beam FC	Beam Width
2.0ft	96.20 fc
4.0ft	24.05 fc
6.0ft	10.69 fc
8.0ft	6.01 fc
10.0ft	3.85 fc
12.0ft	2.67 fc
2.0ft	5.6ft
4.0ft	11.3ft
6.0ft	16.9ft
8.0ft	22.5ft
10.0ft	28.1ft
12.0ft	33.8ft

Vert. Spread: 109.2° Horiz. Spread: 170.5°