



LED T8 Ballast-Bypass Tube Lights

4 ft – 12 & 18 Watts – Clear or Frosted Lens – 85~277VAC – 120° Wide Beam – 2 Pin / G13 Base



FEATURES

- 5 Year LEDtronics Limited Warranty
- Lumen Maintenance over 70% @ 50,000+ Hours
- Direct Retrofit into 4-ft T8 Fixtures with No Ballast
- Energy Savings of up to 70%
- UL Classified (E477710 / T8-F12S-1xW)
- Choice of 3500K, 4000K or 5000K White CCT
- Even Lighting, No Buzzing, No Flickering, Instant Start
- No UV/IR Radiation, No RF Interference
- Solid-State: High-Shock & Vibration Resistant
- No Toxic Mercury – RoHS Compliant

APPLICATIONS

- Office Lighting
- Production Area & Warehouse Lighting
- Coolers, Freezers & Damp Locations
- Retail Store Display Lighting
- Parking Garages, Transportation
- Undercabinet Lighting
- General & Street Sign Backlighting

AVAILABLE OPTIONS

- Other White Color Temperatures
- Other Wattages

Over 35 Years of LEDtronics Design, Engineering & Manufacturing Experience

FROSTED

LED48T8DM-12W-XMW-101WF (Medium White)
LED48T8DM-12W-XWW-101WF (Natural White)
LED48T8DM-12W-XPW-101WF (Pure White)

	XMW	XWW	XPW
Input Power	12 Watts	11 Watts	11.5 Watts
Input Voltage	85~277VAC (Tested @120VAC)		
Input Current	0.100A	0.095A	0.100A
Total Lumens	1365 lm	1465 lm	1505 lm
Max. Candela	380 cd	395 cd	410 cd
Power Factor	0.98	0.98	0.97
Efficacy	115 lm/W	130 lm/W	130 lm/W
CRI	>80	>80	>80
Color Temperature	3500K	4000K	5000K
Illumination Angle	115° x 130°		
Oper. Temperature	-4°F to 113°F (-20°C to 45°C)		
Heatsink	Aluminum Alloy / Silver Color		
Lens	Polycarbonate / Frosted White		
Base	2-Pin G13		
Dimensions	47.78 x Ø1.0 inch / 1214 x Ø25 mm		
Net Weight	0.71 lbs / 11.4 oz / 322 g		



CLEAR

LED48T8DM-12W-XMW-101WC (Medium White)
LED48T8DM-12W-XWW-101WC (Natural White)
LED48T8DM-12W-XPW-101WC (Pure White)

	XMW	XWW	XPW
Input Power	11.5 Watts	12 Watts	11.5 Watts
Input Voltage	85~277VAC (Tested @120VAC)		
Input Current	0.095A	0.100A	0.100A
Total Lumens	1485 lm	1605 lm	1600 lm
Max. Candela	475 cd	520 cd	505 cd
Power Factor	0.99	0.98	0.97
Efficacy	130 lm/W	135 lm/W	140 lm/W
CRI	>80	>80	>80
Color Temperature	3500K	4000K	5000K
Illumination Angle	115° x 120°	120° x 120°	115° x 120°
Oper. Temperature	-4°F to 113°F (-20°C to 45°C)		
Heatsink	Aluminum Alloy / Silver Color		
Lens	Polycarbonate / Clear		
Base	2-Pin G13		
Dimensions	47.78 x Ø1.10 inch / 1214 x Ø28 mm		
Net Weight	0.65 lbs / 10.4 oz / 295 g		



Type-B Tubes for T8 Ballast-free Luminaire Fixtures

LEDTRONICS®

America's Premium Brand LED Company™



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Check LEDtronics.com for latest data.
Printed material may be outdated.

LED T8 Ballast-Bypass Tube Lights – 4 ft / 18 Watts

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FROSTED

LED48T8DM-18W-XMW-101WF (Medium White)
LED48T8DM-18W-XWW-101WF (Natural White)
LED48T8DM-18W-XPW-101WF (Pure White)



	XMW	XWW	XPW
Input Power	18 Watts	18 Watts	17.5 Watts
Input Voltage	85~277VAC (Tested @120VAC)		
Input Current	0.155A	0.150A	0.145A
Total Lumens	2160 lm	1930 lm	2035 lm
Max. Candela	585 cd	525 cd	545 cd
Power Factor	0.99	0.99	0.99
Efficacy	115 lm/W	105 lm/W	115 lm/W
CRI	>80	>80	>80
Color Temperature	3500K	4000K	5000K
Illumination Angle	110° x 130°		
Oper. Temperature	-4°F to 113°F (-20°C to 45°C)		
Heatsink	Aluminum Alloy / Silver Color		
Lens	Polycarbonate / Frosted White		
Base	2-Pin G13		
Dimensions	47.78 x Ø1.0 inch / 1214 x Ø25 mm		
Net Weight	0.71 lbs / 11.4 oz / 322 g		

Uses 18 Watts,
Replaces up to 2x 32W Fluorescents



CLEAR

LED48T8DM-18W-XMW-101WC (Medium White)
LED48T8DM-18W-XWW-101WC (Natural White)
LED48T8DM-18W-XPW-101WC (Pure White)

	XMW	XWW	XPW
Input Power	17.5 Watts	17.5 Watts	17.5 Watts
Input Voltage	85~277VAC (Tested @120VAC)		
Input Current	0.145A	0.150A	0.150A
Total Lumens	2000 lm	1935 lm	2125 lm
Max. Candela	660 cd	645 cd	700 cd
Power Factor	0.99	0.98	0.99
Efficacy	115 lm/W	110 lm/W	120 lm/W
CRI	>80	>80	>80
Color Temperature	3500K	4000K	5000K
Illumination Angle	115° x 115°	120° x 115°	115° x 120°
Oper. Temperature	-4°F to 113°F (-20°C to 45°C)		
Heatsink	Aluminum Alloy / Silver Color		
Lens	Polycarbonate / Clear		
Base	2-Pin G13		
Dimensions	47.78 x Ø1.10 inch / 1214 x Ø28 mm		
Net Weight	0.65 lb / 10.4 oz / 295 g		



Type-B Tubes for T8 Ballast-free Luminaire Fixtures

PHOTOMETRIC REPORTS

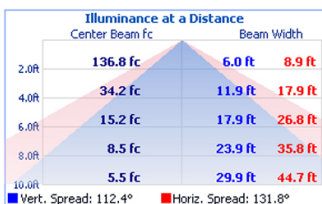
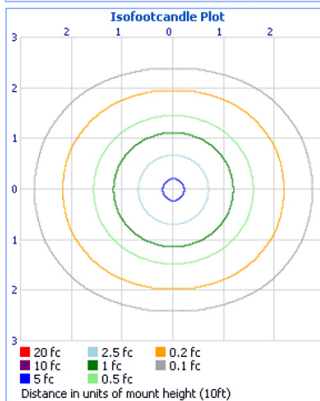
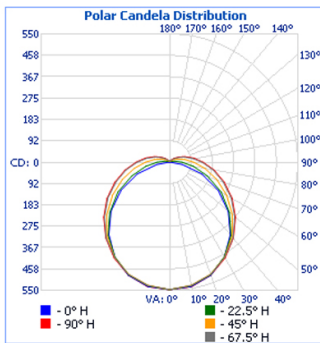
Luminaire Photometric Report

Filename: LED48T8DM-18W-XPW-101WF

Manufacturer: LEDTRONICS
Luminaire: FROSTED LENS, 17.4W, 120VAC
Lamp Output: 1 lamp, rated Lumens/lamp: 2034.5
Max Candela: 547.0 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Point
Test: 10-26-17
Photometry: Type C
CIE Class: Direct
Cutoff Class: Noncutoff

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	51.6	2.5%	90-100	83.2	4.1%
10-20	148.5	7.3%	100-110	51.6	2.5%
20-30	227.0	11.2%	110-120	29.9	1.5%
30-40	277.6	13.6%	120-130	16.4	0.8%
40-50	295.2	14.5%	130-140	8.7	0.4%
50-60	280.9	13.8%	140-150	4.8	0.2%
60-70	240.5	11.8%	150-160	3.1	0.2%
70-80	184.7	9.1%	160-170	2.0	0.1%
80-90	128.2	6.3%	170-180	0.7	0%



Luminaire Photometric Report

Filename: LED48T8DM-18W-XPW-101WC

Manufacturer: LEDTRONICS
Luminaire: CLEAR LENS, 17.7W, 120VAC
Lamp Output: 1 lamp, rated Lumens/lamp: 2122.8
Max Candela: 700.0 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Point
Test: 10-26-17
Photometry: Type C
CIE Class: Cutoff
Cutoff Class: Cutoff
Nema Type: 7 X 7

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	66.1	3.1%	90-100	5.0	0.2%
10-20	191.3	9.0%	100-110	4.8	0.2%
20-30	294.8	13.9%	110-120	4.8	0.2%
30-40	363.6	17.1%	120-130	4.9	0.2%
40-50	383.4	18.1%	130-140	5.0	0.2%
50-60	349.0	16.4%	140-150	4.7	0.2%
60-70	264.3	12.5%	150-160	3.8	0.2%
70-80	138.0	6.5%	160-170	2.5	0.1%
80-90	36.1	1.7%	170-180	0.9	0%

