LED 1x4ft Low Voltage Thin Panel Light

25 Watts – 12 to 24VDC – 120° Wide Beam – 4000K Natural White

40 YEARS OF LED

FEATURES

- 5 Year LEDtronics Warranty
- Lumen Maintenance over 70% @ 50,000+ Hours
- Energy Savings up to 75% over Fluorescents
- Solid State – High-Shock & Vibration Resistant
- SMD2835 Chips: High Lumen, High CRI
- Install in Any Orientation: Two Mounting Rails Provided – Install Rails Either with Flat Side of Rail Flanges Facing Out with the LEDs, Or Raised Side Facing Out
- Polystyrene Frosted White Diffuser, Aluminum PMMA Light Guide Plate
- Wide Operating Temperature Range: ~-4°F to ~+113°F [~-20°C to ~+45°C]
- No UV, No RF Interference, Minimal Heat (IR)
- Eco-Friendly – RoHS Compliant
- LED LM80 Report on File

40 Years of LEDtronics Design, Engineering & Manufacturing Experience

APPLICATIONS

- Bus, Passenger Rail & Similar Applications
- Battery-Power Sources
- Solar & Wind Power Applications
- Mobile & Off-Grid Applications
- Reduced Fire Risk, Safer Low-Voltage Applications
- Rural Off-Grid Lighting

AVAILABLE OPTIONS

- Other White Color Temperatures
- Other Voltages
- Other Beam Angles

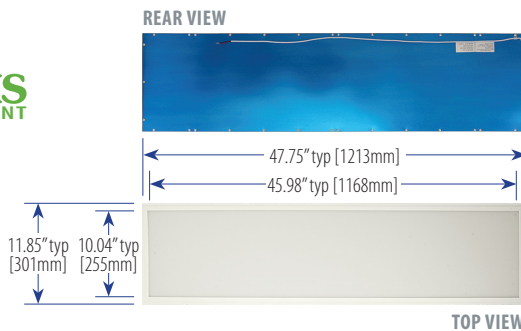## OPTIONAL ACCESSORIES (SOLD SEPARATELY)

- Surface Mounting Aluminum Fixture for Ceilings, White Finish Frame (Silver Finish Frames Available as Pre-order Option)
- Steel Wire Cables for Ceiling Suspension
- Hanger

1x4 ft

Uses 25 Watts, Replaces 52W T12; 40W T8; 200W Incandescent; 200W Tungsten Halogen (Quartz)

BSD-2062-001

Input Power	25 Watts
Input Voltage	12~24VDC *(Tested @ 12VDC)*
Input Current	2.09A
Color Temperature	4000K
Emitted Color	Natural White
Total Lumens	3435 lm
Efficacy	135 lm/W
CRI	>80
Max. Candela	1135 cd
Angle of Illumination	120°
Dimmability	Not Dimmable
Diffuser Plate	Polystyrene / Frosted White
Frame / Light Guide Plate	Aluminum PMMA / White
Operating Temperature	-4°F ~+113°F / -20°C ~+45°C
Protection Rating	IP40
Dimensions	47.75 x 11.85 x 0.37 inch 1213 x 301 x 9.4 mm
Weight *(w/Power Supply)*	8.47 lbs / 3.84 kg

REAR VIEW

√ **RoHS COMPLIANT**

47.75" typ [1213mm]
45.98" typ [1168mm]
11.85" typ [301mm] 10.04" typ [255mm]

TOP VIEW

Hardware includes:
(1) Junction Box w/ Power Supply (L: 7.95 x W: 3.30 x H: 1.38)
(2) White Aluminum Rails (L: 47-3/4 x W: 1.38 x H: 0.77) Junction

LOG 809 / Rev 10-2023

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

Luminaire Photometric Report

Filename: BSD-2062-001

Manufacturer: LEDTRONICS
Luminaire: FROSTED LENS,25W,12VDC
Lamp Output: 1 lamp, rated Lumens/lamp: 3433
Max Candela: 1,134.6 at Horizontal: 0°, Vertical: 0°
Luminous Opening: Point
Test: 12-13-19
Photometry : Type C
CIE Class: Direct
Cutoff Class: Full Cutoff
Nema Type: 7 X 7

Polar Candela Distribution

- ■ - 0° H
- ■ - 90° H
- ■ - 22.5° H
- ■ - 45° H
- ■ - 67.5° H

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	107.4	3.1%	90-100	0	0%
10-20	309.2	9.0%	100-110	0	0%
20-30	473.6	13.8%	110-120	0	0%
30-40	580.3	16.9%	120-130	0	0%
40-50	612.3	17.8%	130-140	0	0%
50-60	564.7	16.5%	140-150	0	0%
60-70	441.4	12.9%	150-160	0	0%
70-80	264.0	7.7%	160-170	0	0%
80-90	80.1	2.3%	170-180	0	0%

Isofootcandle Plot

- ■ 20 fc
- ■ 10 fc
- ■ 5 fc
- ■ 2.5 fc
- ■ 1 fc
- ■ 0.5 fc
- ■ 0.2 fc
- ■ 0.1 fc

Distance in units of mount height (10ft)

Illuminance at a Distance

	Center Beam fc	Beam Width	
2.0ft	283.7 fc	6.8 ft	6.5 ft
4.0ft	70.9 fc	13.6 ft	12.9 ft
6.0ft	31.5 fc	20.4 ft	19.4 ft
8.0ft	17.7 fc	27.2 ft	25.8 ft
10.0ft	11.3 fc	34.0 ft	32.3 ft

- ■ Vert. Spread: 119.0°
- ■ Horiz. Spread: 116.5°