

SPECIFICATION SHEET

SUBJECT

PLB Back-Lit Panel 2

CUSTOMER PROJECT

Project: _____
 Type: _____
 Cat. No.: _____
 Qty: _____
 Date: _____
 EEL Rep: _____



Telephone: 905 415 8878 Fax Number: 905 415 8872 Toll Free Telephone: 855 415 8878 Toll Free Fax: 855 415 8872

DESCRIPTION

The PLB2 series is the most versatile of our back-lit panel light offerings. Wattage and colour selectable, each model in this series offers three wattage options and three colour temperatures for nine combinations to fit multiple application needs.

This lightweight panel light uses a unique back-lit design to provide uniform and soft luminescence. And because it does not require a light guide plate (LGP), it is guaranteed to never yellow.

Available in three form factors (1x4, 2x2, 2x4) and equipped with optional flange, suspension, and surface (ceiling) mount kits, this 100-347V back-lit panel is an excellent fit for offices, schools, retail, or healthcare applications.

SPECIFICATION FEATURES

Construction

- 6063 Aluminum frame with cold rolled SPCC steel
- Back housing affords better heat dissipation.
- Earthquake T-bar clips
- High transmittance Polystyrene(PS) diffuser
- Requires no light guide plate (LGP) and hence mitigate the potential yellowing issue of the LGP
- 2 earthquake T-bar hooks for 2x2
- 4 earthquake T-bar hooks for 1x4 and 2x4

Mounting

- T-bar mount
- Suspension mount
- Recessed mount
- Surface mount (optional)
- Fixture Weight:
 1x4 = 5.07lbs/2.3kg
 2x2 = 4.85lbs/2.2kg
 2x4 = 8.60lbs/3.9kg

Finish

- White seamless finish (powder-coated)

Beam Angle

- 120°

Compliance

- cETLus
- DLC Standard
- Suitable for Damp Locations
- Type IC

Warranty

- 5-Year Warranty (standard)
- 10-Year Limited Warranty (optional - conditions may apply)



PLB2 Back-Lit Panel

PLB2 SERIES

Back-Lit Panel

Wattage(s)	3WS: 1x4: 30W-35W-40W 2x2: 30W-35W-40W 2x4: 30W-40W-50W
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Voltage	100-347V
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Dimming	0-10V
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CCT	3CCT-F (35K / 40K / 50K)
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Efficacy	Up to 118lm/W
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Operating Temperature	-20°C to 40°C
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CRI	80
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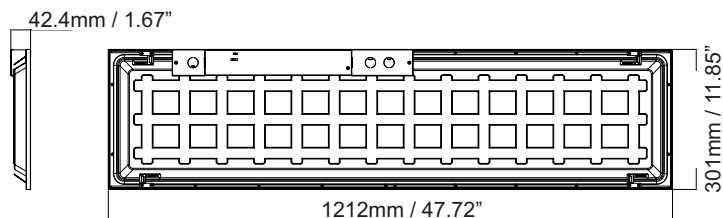
Surge Protection	3kV
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Lumen Maintenance	Theoretical L70 > 175,500hrs Lumen maintenance @ 36,000hrs = 93.09%
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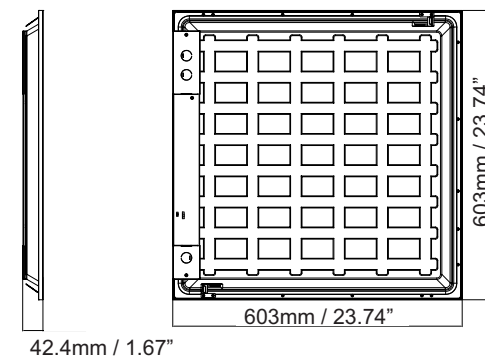
Power Factor	≥ 0.9
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THD	≤ 20%
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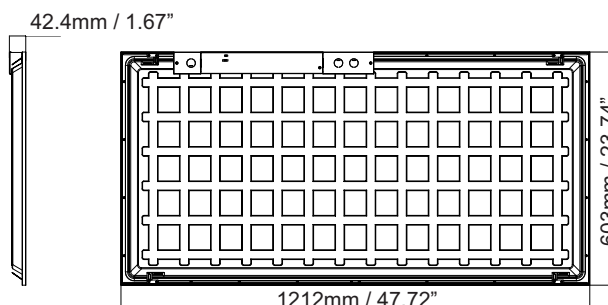
Max. Dimming Source Current	0.22mA
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PLB2 1' x 4'
Dimensions
 mm | 1212 (L) x 301 (W) x 42.4 (H)
 inch | 47.72 (L) x 11.85 (W) x 1.67 (H)



PLB2 2' x 2'
Dimensions
 mm | 603 (L) x 603 (W) x 42.4 (H)
 inch | 23.74 (L) x 23.74 (W) x 1.67 (H)



PLB2 2' x 4'
Dimensions
 mm | 1212 (L) x 603 (W) x 42.4 (H)
 inch | 47.7 (L) x 23.74 (W) x 1.67 (H)

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ORDERING CODE, ENERGY AND PERFORMANCE DATA

Model No.	Delivered Lumens (lm)	Input Watts (W)	Voltage (V)	Colour Temp. (K)	Efficacy (lm/W)	Certification
 PLB2-651-14-3WS Matte White 1 x 4	3300 - 4626	3WS (30W / 35W / 40W)	100-347	3CCT-F (35K / 40K / 50K)	110 - 118	 Intertek
1 x 4	3500K	4000K	5000K			
30W	3300lm; 110lm/W	3420lm; 114lm/W	3540lm; 118lm/W			
35W	3833lm; 110lm/W	3990lm; 114lm/W	4130lm; 118lm/W			
40W	4289lm; 110lm/W	4469lm; 114lm/W	4626lm; 118lm/W			
 PLB2-651-22-3WS Matte White 2 x 2	3300 - 4543	3WS (30W / 35W / 40W)	100-347	3CCT-F (35K / 40K / 50K)	110 - 118	 Intertek
2 x 2	3500K	4000K	5000K			
30W	3300lm; 110lm/W	3420lm; 114lm/W	3540lm; 118lm/W			
35W	3842lm; 110lm/W	3990lm; 114lm/W	4130lm; 118lm/W			
40W	4227lm; 110lm/W	4389lm; 114lm/W	4543lm; 118lm/W			
 PLB2-651-24-3WS Matte White 2 x 4	3300 - 5652	3WS (30W / 40W / 50W)	100-347	3CCT-F (35K / 40K / 50K)	110 - 118	 Intertek
2 x 4	3500K	4000K	5000K			
30W	3300lm; 110lm/W	3420lm; 114lm/W	3540lm; 118lm/W			
40W	4405lm; 110lm/W	4560lm; 114lm/W	4720lm; 118lm/W			
50W	5280lm; 110lm/W	5461lm; 114lm/W	5652lm; 118lm/W			

NOTE:

- Lumens are estimated
- DLC qualified may not apply to all versions within a model. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

OPTIONAL ACCESSORIES

PLE-SW 1x4 | Suspending Wire for 1x4 PLE (1.5 Millimetre in thickness) Contains 6 pieces - 6 x 1 Meter(wire length)
 PLE-SW 2x2 | Suspending Wire for 2x2 PLE (1.5 Millimetre in thickness) Contains 4 pieces - 4 x 1 Meter(wire-length)
 PLE-SW 2x4 | Suspending Wire for 2x4 PLE (1.5 Millimetre in thickness) Contains 6 pieces - 6 x 1 Meter(wire-length)

TFK-1x4 (slight difference in color between the kit and fixture) | Flange Kit (recessed mount) for 1x4 Troffer
 TFK-2x2 (slight difference in color between the kit and fixture) | Flange Kit (recessed mount) for 2x2 Troffer
 TFK-2x4 (slight difference in color between the kit and fixture) | Flange Kit (recessed mount) for 2x4 Troffer

BLP-14-A2111-MKSUR | Surface Mount Kit for 1x4 Back-Lit Panel Light
 BLP-22-A2111-MKSUR | Surface Mount Kit for 2x2 Back-Lit Panel Light
 BLP-24-A2111-MKSUR | Surface Mount Kit for 2x4 Back-Lit Panel Light

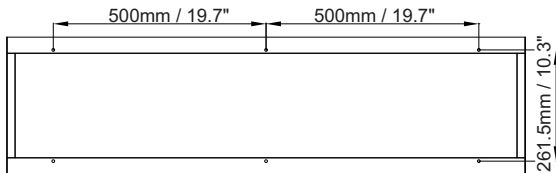
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PLB2 Surface Mount Kit Dimensions:

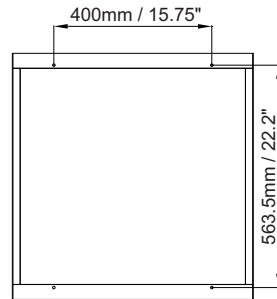
PLB2 - 1x4

mm | 1216(L) x 307(W) x 61(H)
inch | 47.9(L) x 12.1(W) x 2.4(H)



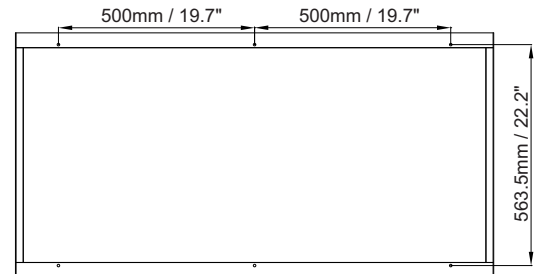
PLB2 - 2x2

mm | 609(L) x 609(W) x 61(H)
inch | 24(L) x 24(W) x 2.4(H)

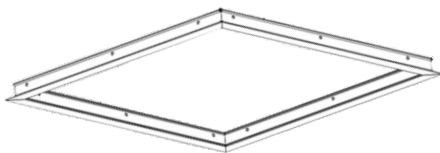


PLB2 - 2x4

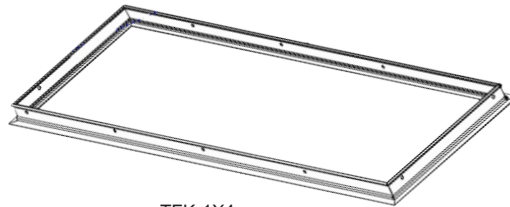
mm | 1216(L) x 609(W) x 61(H)
inch | 47.9(L) x 24(W) x 2.4(H)



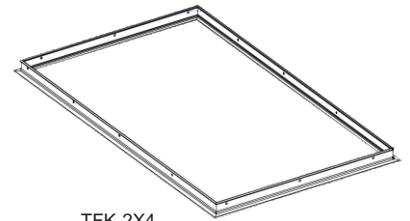
TFK Flange Kit:



TFK-2X2



TFK-1X4



TFK-2X4

Suspending Wires:

