

SPECIFICATION SHEET

SUBJECT

LED PHB 2.1 SERIES

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

A linear high bay with beauty, brawn, and brains? The Performance High Bay (PHB) 2.1 is where all three intersect.

Not only does it surpass the successes of the original PHB and PHB-III series with a phenomenal efficacy of 165lm/W, it is also versatile in form - 2ft and 4ft in wide and standard sizes in a 20 gauge powder-coated steel housing; and function - 120-347V applications, over 20kV in surge protection, and an emergency back up option.

Need controls? Optional external PIR sensors are available. Or if its classic and clean design needs to be maintained, a behind-the-lens integrated sensor and remote option is also available.

The PHB 2.1 is the ideal solution for industrial, commercial, and recreational applications with high lumen output requirements.

SPECIFICATION FEATURES

Construction

- 20 Gauge powder-coated steel housing
- 10ft UL-listed whip (STW 3C 18AWG 600V Ft2)
- Strain relief on access plate

Mounting

- Suspension Mount
 - V-hooks included

Beam Angle

- 120° standard

Note: Not recommended to be used in application with chemical processing; for applications with chemical processing, fixtures rated for IP65 and higher are recommended

Shielding

- Standard frosted polycarbonate (PC) Lens

Compliance

- cULus
- DLC Premium (100W, 200W, 300W)
- DLC Standard (150W)
- Suitable for damp location

Warranty

- 5-Year Warranty (Standard)
- 10-Year Limited Warranty (Optional)



PERFORMANCE HIGH BAY 2.1 SERIES

PERFORMANCE HIGH BAY

2.1 SERIES

Wattage(s) 100W, 150W, 200W, 300W

Voltage 120-347V

Dimmable 0-10V

CCT 4000K, 5000K

Efficacy Up to 165lm/W

Lumen Maintenance Theoretical L70 > 144,000h
Lumen maintenance at 36,000hrs = 91.87%

CRI ≥80

Operating Temperature -40°C to 55°C

Inherent Surge Protection 2.5kV driver inherent + 20kV surge protector

PF >0.9

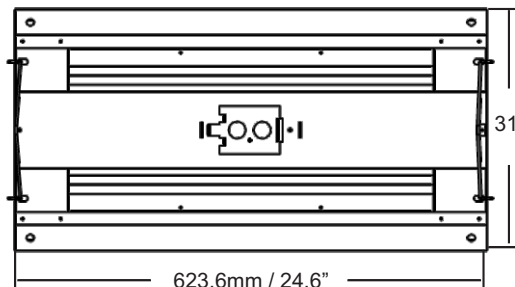
THD <20%

Max. Dimming Source Current 0.45mA

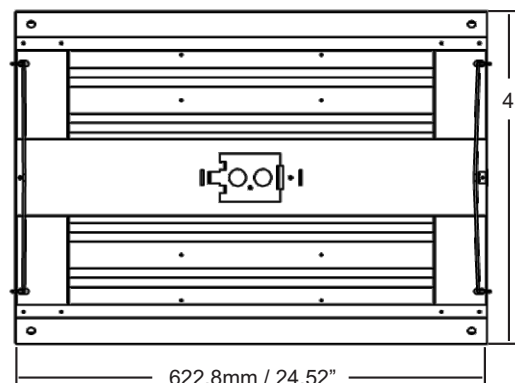
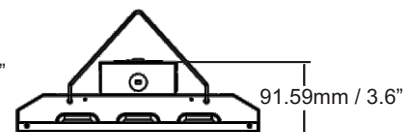
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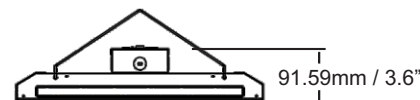
www.eelighting.ca



PHB 2.1 2ft x 12" (100W)
Dimensions
 mm | 623.6(L) x 318.6(W) x 91.59(D)
 inch | 24.6(L) x 12.5(W) x 3.6(D)

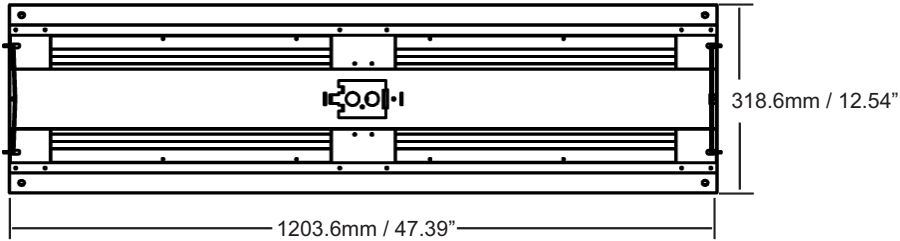


PHB 2.1 2ft x 17" (150W)
Dimensions
 mm | 622.8(L) x 438.6(W) x 91.59(D)
 inch | 24.52(L) x 17.27(W) x 3.6(D)



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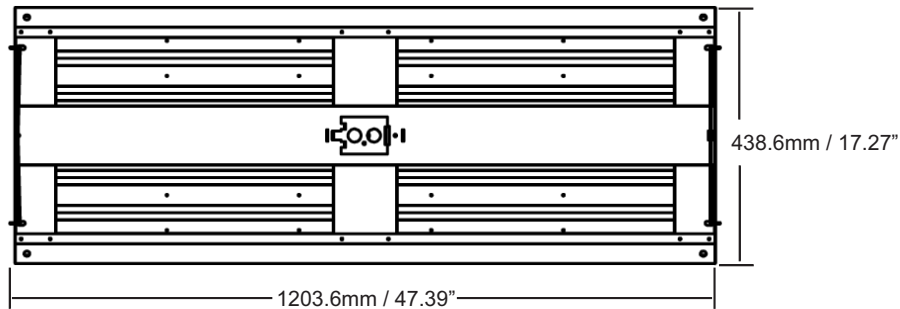
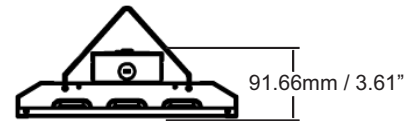
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PHB 2.1 4ft x 12" (200W)

Dimensions

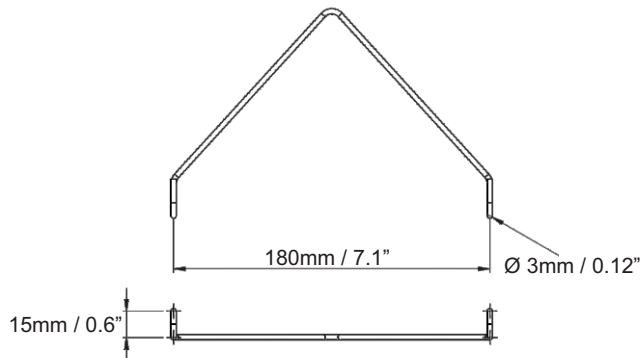
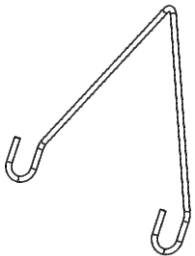
mm | 1203.6(L) x 318.6(W) x 91.66(D)
inch | 47.39(L) x 12.54(W) x 3.61(D)



PHB 2.1 4ft x 17" (300W)

Dimensions

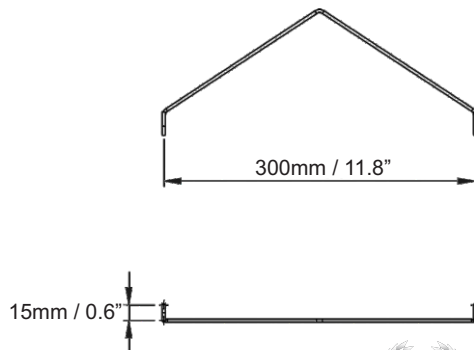
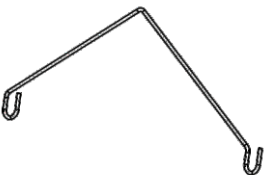
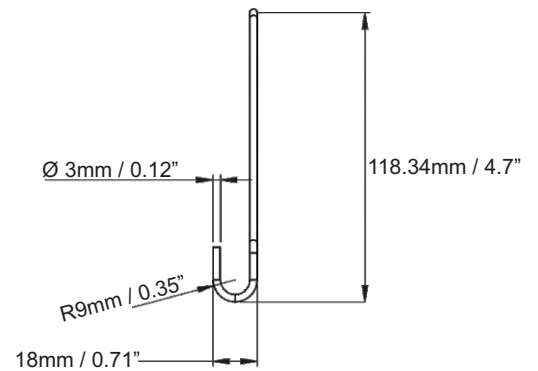
mm | 1203.6(L) x 438.6(W) x 91.66(D)
inch | 47.39(L) x 17.27(W) x 3.61(D)



V-Hooks (2ft & 4ft)

Dimensions

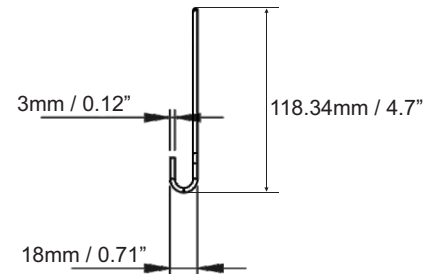
mm | 180(L) x 15(W) x 118.34(D)
inch | 7.1(L) x 0.6(W) x 4.7(D)



V-Hooks (2ft & 4ft Wide)

Dimensions

mm | 300(L) x 15(W) x 118.34(D)
inch | 11.8(L) x 0.6(W) x 4.7(D)



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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
 2ft x 12"	PHB-2-7624 100W40K-120347V-010V-E165	16602	101	120-347	4000K	165	 
	PHB-2FT-4-110-120M/347 (4K)(2.1)						
	PHB-2-7625 100W50K-120347V-010V-E165	16602			5000K	165	
	PHB-2FT-4-110-120M/347 (5K)(2.1)						
 2ft x 17"	PHB-2W-7634 150W40K-120347V-010V-E165	25604	155	120-347	4000K	165	 
	PHB-2FT-6-160-120M/347 (4K)(2.1)						
	PHB-2W-7635 150W50K-120347V-010V-E165	25604			5000K	165	
	PHB-2FT-6-160-120M/347 (5K)(2.1)						
 4ft x 12"	PHB-4-7654 200W40K-120347V-010V-E165	33868	205	120-347	4000K	165	 
	PHB-4FT-4-220-120M/347 (4K)(2.1)						
	PHB-4-7655 200W50K-120347V-010V-E165	33868			5000K	165	
	PHB-4FT-4-220-120M/347 (5K)(2.1)						
 4ft x 17"	PHB-4W-7674 300W40K-120347V-010V-E165	50662	307	120-347	4000K	165	 
	PHB-4FT-6-320-120M/347 (4K)(2.1)						
	PHB-4W-7675 300W40K-120347V-010V-E165	50662			5000K	165	
	PHB-4FT-6-320-120M/347 (5K)(2.1)						

NOTE:

- Lumens are estimated.
- Lumens may vary based on lens option.
- 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

PHB-2-A2131-WG | Wire Guard for 2ft x 12" PHB2.1 Series Fixtures
 PHB-2W-A2131-WG | Wire Guard for 2ft x 17" PHB2.1 Series Fixtures
 PHB-4-A2131-WG | Wire Guard for 4ft x 12" PHB2.1 Series Fixtures
 PHB-4W-A2131-WG | Wire Guard for 4ft x 17" PHB2.1 Series Fixtures

EMERGENCY BACK-UP (OPTIONAL)

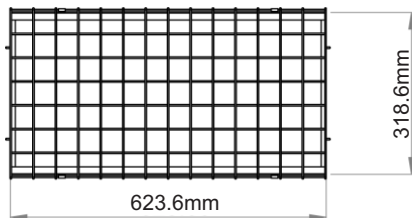
EMP-P4035 | Emergency Battery Pack, 25W output, 170V (IP65)

Note: Wire guards cannot be used in conjunction with the integrated sensor SMI2036.

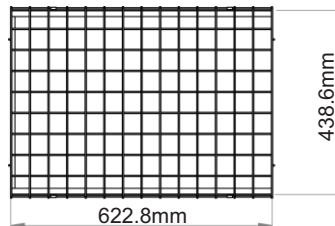
CONTROLS (OPTIONAL)

SMI2036 | 820M6 Bi-Level Microwave Sensor (0-10V Dimmable, 100-347V)
 RC 1020 | Remote control for SMI2036
 SMI1502 | PIR Occupancy Sensor 120-347V
 SMI1503 | PIR Occupancy Sensor 120-347V, Dimmable

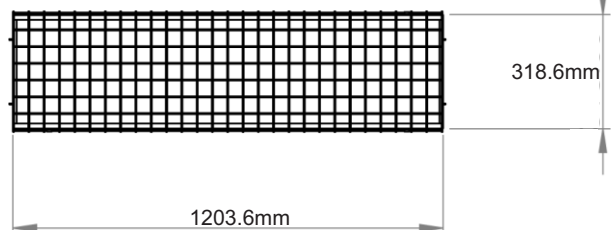
PHB-2-A2131-WG



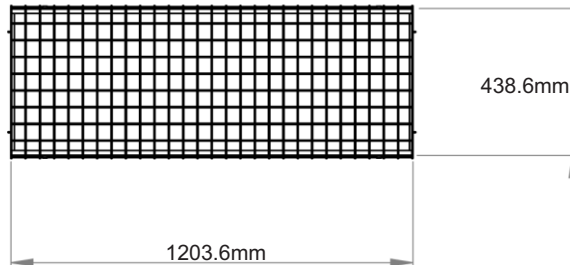
PHB-2W-A2131-WG



PHB-4-A2131-WG



PHB-4W-A2131-WG



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Please allow for tolerance on specifications and dimensions.
 If required, please consult EEL.

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