

Project Name:	
Catalog Number:	Fixture Type:
Volts / Watts:	Lamps / Board:



NARROW DISTRIBUTION PREMIUM HIGH BAY - 160W LED

FEATURES

- 95% Narrow Focus Reflector
- Premium Efficiency Delivers Maximum Savings
- Aluminum Body with Steel Channel for Added Rigidity
- High Gloss Polyester White Paint
- Tool-Less Hinged Bottom Ballast Access Door
- Frosted And Polycarbonate Lens Options Available
- Riveted Construction And Vented Ballast Channel
- V-Clips For Dual Point Chain Or Cable Hanging (Std)
- Multiple Dimming And Sensor Options To Fully Control Occupied And Unoccupied Light Levels
- 5000K & 4000K Color Options
- 5 Year Warranty
- 0-10V Dimming Driver (Std)
- DesignLights Consortium® Premium Qualified Luminaire

INDUSTRIAL



LED SYSTEMS

Calculated L ₇₀ (TM-21)	>100K
Delivered Lumens	23,910 lm
Total Input Watts	162 W
Luminaire Efficacy Rating (LER)	148 lm/W
Correlated Color Temperature (CCT)	5000K
Color Rendering Index (CRI)	>80
Maximum Ambient Temperature	130°F
Minimum Ambient Temperature	-40°F
Universal Driver	120-277 V

SUITABLE APPLICATIONS

- Warehouses
- Distribution Centers
- Manufacturing Plants
- Gymnasiums



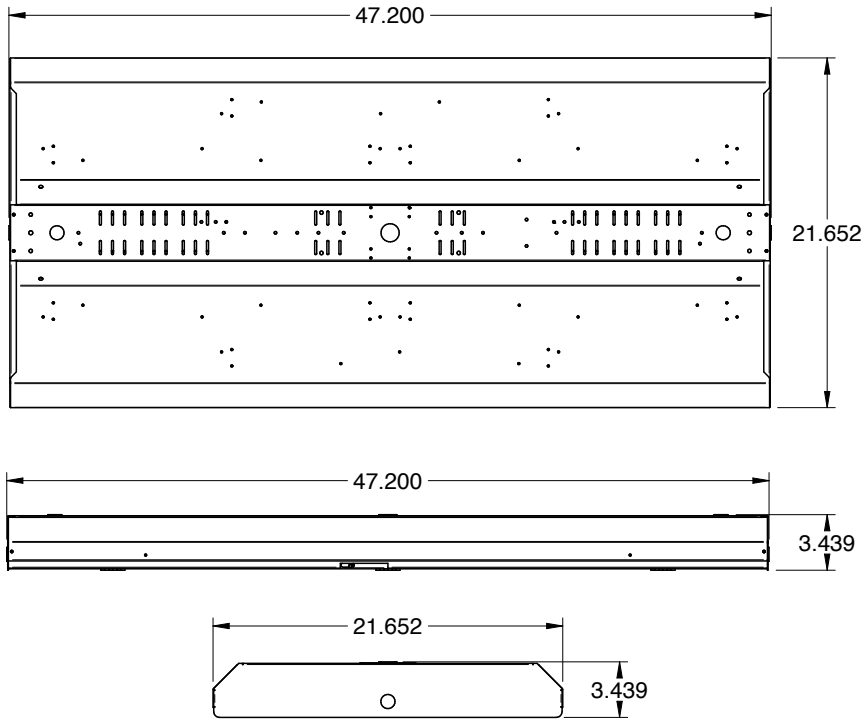
LED System data above based on PHB-160WLED-UNIV-50-ND
 LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient.

ORDERING GUIDE:

PHB	160WLED	UNIV	50	e.g. ND	
Series	LED	Driver	Color	Options	
<input type="checkbox"/> PHB Premium High Bay	<input type="checkbox"/> 160WLED	<input type="checkbox"/> UNIV 120-277 Driver	<input type="checkbox"/> 50	<input checked="" type="checkbox"/> ND	Narrow Distribution (Standard)
		<input type="checkbox"/> HV 347-480V Driver	<input type="checkbox"/> 40	<input type="checkbox"/> WC	11 Ga Wire Cage
				<input type="checkbox"/> FIOS	On/Off Occupancy Sensor
				<input type="checkbox"/> FIOS/PC	On/Off Occupancy Sensor w/ Photocell
				<input type="checkbox"/> FIOSPC/DLH	Daylight Harvesting w/ Motion & Photocell
				<input type="checkbox"/> USBD	User Select Bi-level Dim w/ Occ. Sensor
				<input type="checkbox"/> BDxx	Preset Bi-level Dim Sensor (xx=% eg. 20,30)
				<input type="checkbox"/> BDxxPC	Preset Bi-level Dim Sensor w/ Photocell
				<input type="checkbox"/> DHPC	Daylight Harvesting
				<input type="checkbox"/> FI/ILBCP07	7W LED Factory Installed Battery Backup
				<input type="checkbox"/> FI/ILBCP10	10W LED Factory Installed Battery Backup
				<input type="checkbox"/> FI/ILBCP12	12W LED Factory Installed Battery Backup
				<input type="checkbox"/> CORDx	Cord (x = ft)
				<input type="checkbox"/> QDCx	Quick Disconnect Cord (x = ft)
				<input type="checkbox"/> HB-XX-18Y-PAD	Toggle Cable System (xx = in)
				<input type="checkbox"/> SMBKIT	Surface Mount Bracket Kit
				<input type="checkbox"/> FMB	Fixture Mounting Box
				<input type="checkbox"/> HOOK	Cast Iron Hook
				<input type="checkbox"/> HUB 3/4 CONDUIT	Conduit Hub 3/4"

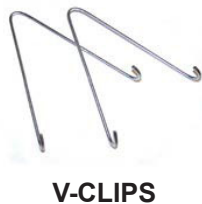
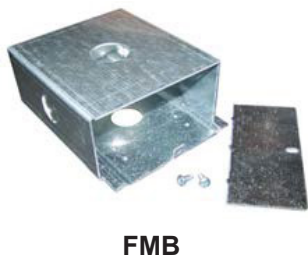
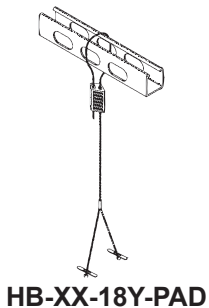
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INDUSTRIAL



MOUNTING OPTIONS

- **HB-XX-18Y-PAD** - Adjustable Y-Paddle Cables (60", 120", or 180")
- **SMBKIT** - Surface Mount Bracket Kit
- **FMB** - Fixture Mounting Box for Single Point Mounting (Must use HOOK or HUB 3/4 Conduit)
- **HOOK** - Cast Iron Hook for Single Point Mounting
- **HUB 3/4 CONDUIT** - Conduit Hub 3/4" for Pendant Mounts
- **V-CLIPS** - For Dual Point Chain or Cable Hanging (Standard)



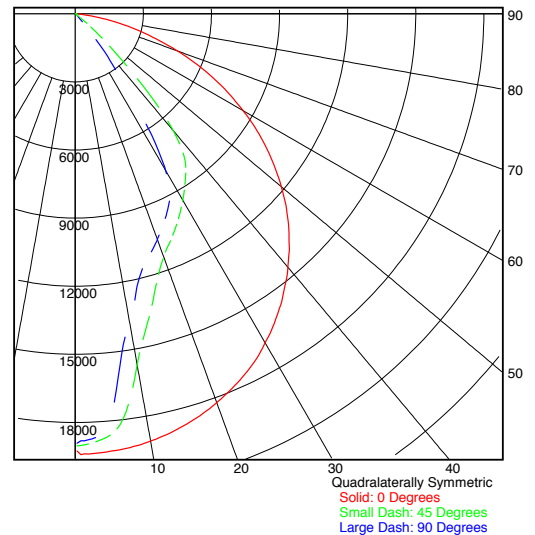
PHB-160WLED-UNIV-50-ND

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100%
EFFICIENCY (Downlight):	100%
EFFICIENCY (Uplight):	0.0%
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION: (0-Deg):	1.30
SPACING CRITERION: (90-Deg):	0.64
LUMENS/LAMP:	23219.82
NO. OF LAMPS:	1
LUMINOUS OPENING: RECTANGULAR	
Width:	1.71 (Feet)
Length:	3.94
Height:	0.04
INPUT WATTS:	162.034

PLANE AND CONE DIAGRAM

CANDELA PLOT



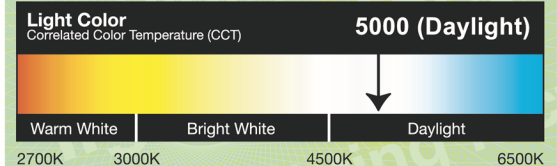
Industrial Lighting Products

LED lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)	23910
Watts	161.7
Lumens per Watt (Efficacy)	147.87

Color Accuracy	80
Color Rendering Index (CRI)	



All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: -2LD8S5 (3/9/2017)
Model Number: PHB-160WLED-UNIV-50-ND
Type: Luminaire - Industrial