

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



HIMALAYAN HIGH BAY FROSTED - 90W LED

FEATURES

- 22 Ga Steel
- Post Painted White
- Frosted Lens Standard
- 4000K & 5000K Color Options
- V-Clips Standard
- 0 - 10V Dimmable Driver (100% - 10%)
- 5 Year Warranty
- Damp Location Rated
- DesignLights Consortium® Premium Qualified Luminaire

QUICK SHIP (<24hrs)

- HHB-90WLED-UNIV-50-FRL
 - HHB-90WLED-UNIV-40-FRL
- These Configurations Only

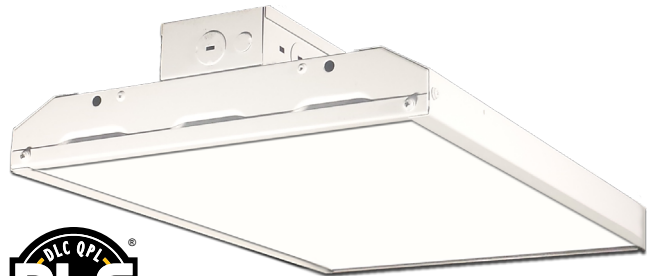
LED SYSTEMS

Calculated L ₇₀ (TM-21)	>100K
Delivered Lumens	11,790 lm
Total Input Watts	90 W
Luminaire Efficacy Rating (LER)	131 lm/W
Correlated Color Temperature (CCT)	5000K
Color Rendering Index (CRI)	>80
Maximum Ambient Temperature	122°F
Minimum Ambient Temperature	-4°F
Universal Driver	120-277 V

LED System data above based on HHB-90WLED-UNIV-50-FRL

LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient.

REPLACES: 250W MH / 3T5HO / 4T8



SUITABLE APPLICATIONS

- Warehouses
- Distribution Centers
- Manufacturing Plants
- Gymnasiums



ORDERING GUIDE:

HHB	90WLED	UNIV	50	e.g. FIOS
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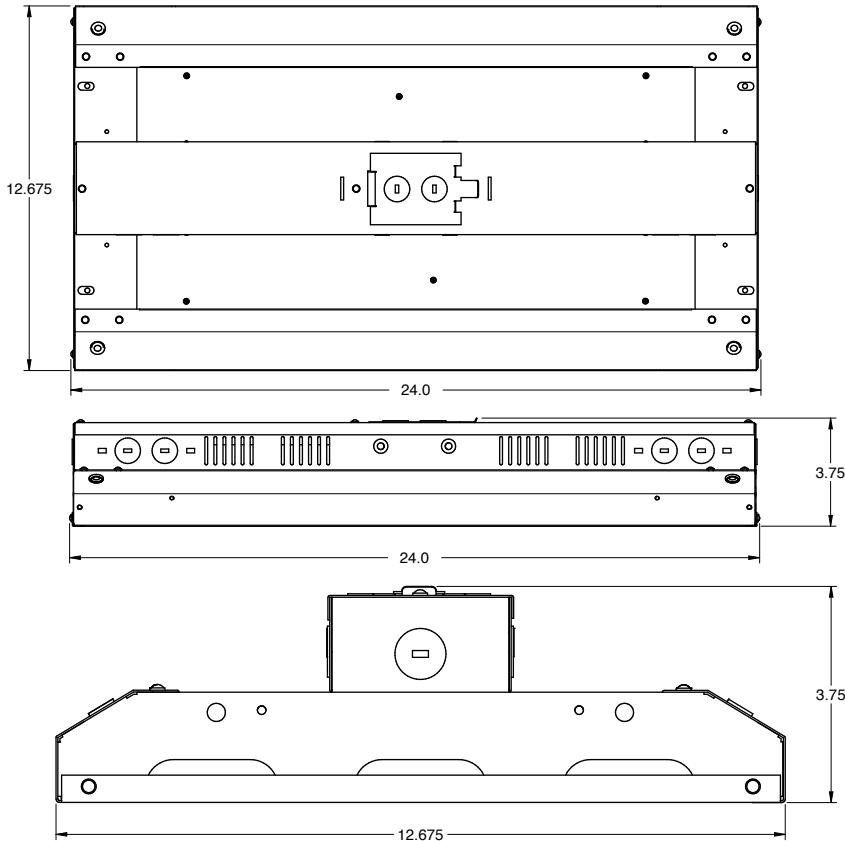
Series	LED	Driver	Color	Options
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|---|---------------------------------|--|-----------------------------|---|---|
| <input type="checkbox"/> HHB Himalayan High Bay | <input type="checkbox"/> 90WLED | <input type="checkbox"/> UNIV 120-277 Driver | <input type="checkbox"/> 50 | <input checked="" type="checkbox"/> FRL | Frosted Acrylic Lens |
| | | | <input type="checkbox"/> 40 | <input type="checkbox"/> PCL | Clear Polycarbonate Lens .125" |
| | | | | <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"/> USB | 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"/> 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"/> HB-XX-18Y-PAD | Toggle Cable System (xx = in) |
| | | | | <input type="checkbox"/> SMBKIT | Surface Mount Bracket Kit |
| | | | | <input type="checkbox"/> CPMB* | Center Point Mounting Box |
| | | | | <input type="checkbox"/> HOOK* | Cast Iron Hook |
| | | | | <input type="checkbox"/> HUB 3/4 CONDUIT* | Conduit Hub 3/4" |
| | | | | <input type="checkbox"/> SD480 | 480V Step Down Transformer |
| | | | | <input type="checkbox"/> SD347 | 347V Step Down Transformer |

*CPMB must be used with either HOOK or HUB 3/4 CONDUIT and vice versa.

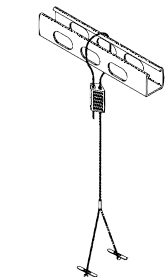
HIMALAYAN HIGH BAY FROSTED - 90W LED

HIGH BAY

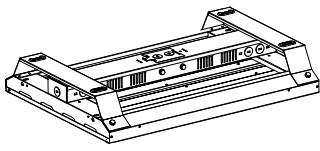


MOUNTING OPTIONS

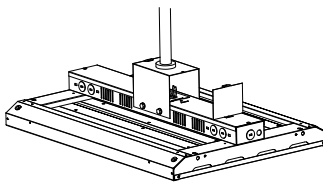
- **HB-XX-18Y-PAD** - Adjustable Y-Paddle Cables (60", 120", or 180")
- **SMBKIT** - Surface Mount Bracket Kit
- **CPMB** - Center Point Mounting Box for Single Point Mounting (Must use with HOOK or HUB 3/4 CONDUIT)
- **HOOK** - Cast Iron Hook for Single Point Mounting (CPMB Required)
- **HUB 3/4 CONDUIT** - Conduit Hub 3/4" for Pendant Mounts (CPMB Required)



HB-XX-18Y-PAD



SMBKIT



CPMB



HOOK



HUB 3/4 CONDUIT

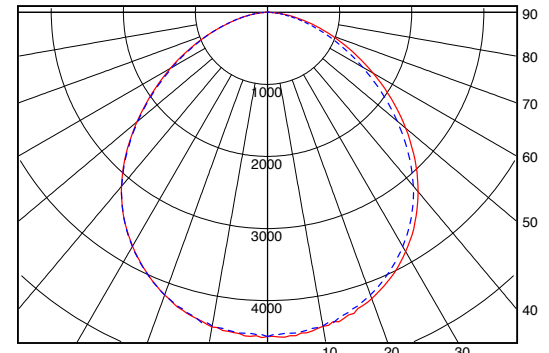
HHB-90WLED-UNIV-50-FRL

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Total):	100.0 %
EFFICIENCY (Downlight):	100.0 %
EFFICIENCY (Uplight):	0.0 %
CIE CLASSIFICATION:	DIRECT
LUMENS/LAMP:	11548.23
NO. OF LAMPS:	1
LUMINOUS OPENING: POINT SOURCE	
Width:	0.00 (Feet)
Length:	0.00
Height:	0.00
INPUT WATTS:	88.6

PLANE AND CONE DIAGRAM

CANDELA PLOT



Totally Asymmetric Solid: 180-0 Degrees Dashed: 270-90 Degrees

Photometric values based upon tests performed in compliance with LM-79. IES files can be downloaded at www.ilp-inc.com

Light Output (Lumens)	11790
Watts	90
Lumens per Watt (Efficacy)	131

Color Accuracy	80
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Light Color	5000 (Daylight)
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All values are based on the 2014 IES LM-79-07 Approved Method for Measuring and Reporting the Performance of Solid State Lighting. The U.S. Department of Energy (DOE) has the goal of increasing energy efficiency.

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

Registered Manufacturer: Industrial Lighting Products
 Model Number: HHB-90WLED-UNIV-50-FRL
 Thermal Management: Natural Convection