

Project Name:

Part Number:

Type:



HIMALAYAN HIGH BAY

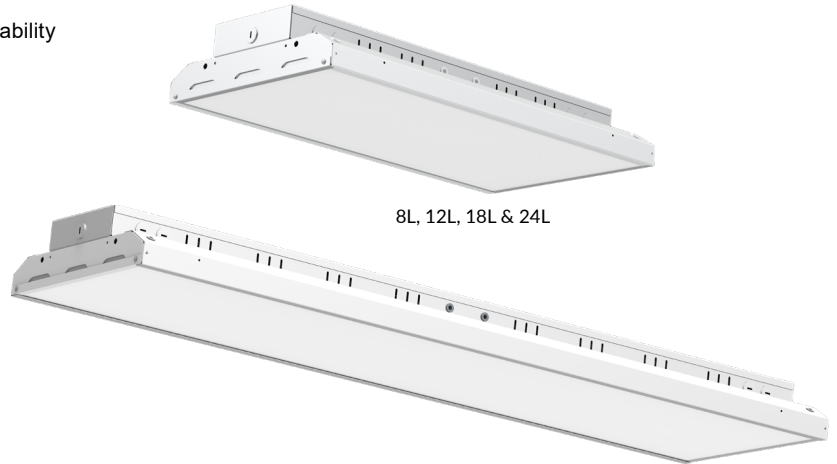
LINEAR HIGH BAY



407-478-3759
www.ilp-inc.com

FEATURES

- Post painted white 22 Ga. steel body for maximum rigidity & durability
- 8,000 - 56,000 Lumen Package Range
- Compact housing delivering up to 24,000 lumens in 2ft body
- Impact resistant frosted acrylic lens (included)
- V-Clips for dual chain or cable hanging (included)
- 4000K & 5000K CCT
- >80 Color Rendering Index (CRI)
- Calculated L70 >100,000 Hours
- 0 - 10V Dimmable Driver (100% - 10%)
- 120-277V Universal Driver
- 5 Year Warranty
- UL Listed for Damp Location
- DesignLights Consortium® Premium Qualified Luminaire



SUITABLE APPLICATIONS

- Warehouses
- Distribution Centers
- Gymnasiums
- Manufacturing Plants

ORDERING GUIDE:

SERIES	LUMENS/WATTAGE	DRIVER	COLOR	PRIMARY LENS
HHB Himalayan High Bay	8L	U 120-277V	50	FRL Frosted Lens (std.)
	12L		40	PCL ¹ Clear Polycarbonate Lens
	18L			
	24L			
	34L			
	321W 425W			

OPTIONS

Factory Installed

CORDx	Cord (x = ft)
QDCx	Quick Disconnect Cord (x = ft)
FI/ILBCP05 ³	5W LED Factory Installed Battery Backup
FI/ILBCP07 ³	7W LED Factory Installed Battery Backup
FI/ILBCP10 ³	10W LED Factory Installed Battery Backup
FI/ILBCP12 ³	12W LED Factory Installed Battery Backup
FI/ILBCP20 ³	20W LED Factory Installed Battery Backup
SD480 ²	480V Step Down Transformer
SD347 ²	347V Step Down Transformer
HT ⁴	High Temperature Option

Ship With Accessories

WC	11ga Wire Cage
HUB3/4 ⁵	Conduit Hub 3/4" for pendant mount
HOOK ⁶	Cast Iron Hook for single point mounting
HB-XX-18Y-PAD	Y-Toggle Cable System (xx = in)
SMBKIT	Surface Mount Bracket
CPMB	Center Point Mounting Box
ES/PCD ⁷	EasySense Pre-Programmed Control Device
ES/IR ⁸	EasySense Commissioning IR Blaster
ES/WWS/DR	EasySense Dual Rocker Wireless Wall Switch

CONTROLS OPTIONS

Basic

FIOS	On/Off Occupancy Sensor
FIOSPC	On/Off Occupancy Sensor w/ Photocell
FIOSPC/DLH	On/Off Occupancy Sensor w/ Daylight Harvesting
DHPC	Daylight Harvesting
USB	User Bi-Level Dim Sensor w/ Occ. Sensor
BDxx	Preset Bi-Level Dim Sensor (xx=%eg.20,30)
BDxxPC	Preset Bi-level Dim Sensor w/ Photocell

Advanced

ES/HB ⁹	EasySense High Bay Sensor
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¹ Does not qualify for DLC

² Does not qualify for DLC on 321W & 425W

³ Externally mounted. Cannot be used with CPMB, HOOK, SMBKIT or HUB 3/4

⁴ Adds 10°F to standard fixture max ambient. ONLY available for 321W & 425W.

⁵ Must be used with CPMB

⁶ Must be used with CPMB & Y-Toggle Cable System

⁷ One needed per project

⁸ Must be used with ES/PCD

⁹ Must be used with ES/PCD & ES/IR options for commissioning

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QUICK SHIP ITEMS:

SERIES	LUMENS/WATTAGE	DRIVER	COLOR	PRIMARY LENS
HHB Himalayan High Bay	8L 12L 18L 24L 34L 321W 425W	U 120-277V	50 40	FRL Frosted Lens (std.)

LED SYSTEMS INFO

FROSTED LENS 40K	LUMENS	WATTS	EFFICACY	AMBIENT RANGE	REPLACES
HHB-8L-U-40-FRL	8,104 lm	62 W	130 lm/W	-4°F - 122°F	100W MH, 4T8
HHB-12L-U-40-FRL	11,548 lm	89 W	129 lm/W	-4°F - 122°F	175W MH, 2T5HO
HHB-18L-U-40-FRL	17,200 lm	137 W	125 lm/W	-4°F - 122°F	250W MH, 4T5HO
HHB-24L-U-40-FRL	22,989 lm	179 W	129 lm/W	-4°F - 122°F	400W MH, 6T5HO
HHB-34L-U-40-FRL	34,560 lm	267 W	130 lm/W	-4°F - 122°F	750W MH, 8T5HO
HHB-321WLED-UNIV-40-FRL	41,405 lm	313 W	132 lm/W	-4°F - 115°F	1000W MH, 10T5HO
HHB-425WLED-UNIV-40-FRL	55,646 lm	418 W	133 lm/W	-4°F - 105°F	1000W MH, 12T5HO

LED System data above based on HHB-8L-U-40-FRL, HHB-12L-U-40-FRL, HHB-18L-U-40-FRL, HHB-24L-U-40-FRL, HHB-34L-U-40-FRL, HHB-321WLED-UNIV-40-FRL & HHB-425WLED-UNIV-40-FRL.

FROSTED LENS 50K	LUMENS	WATTS	EFFICACY	AMBIENT RANGE	REPLACES
HHB-8L-U-50-FRL	8,295 lm	63 W	132 lm/W	-4°F - 122°F	100W MH, 4T8
HHB-12L-U-50-FRL	11,717 lm	89 W	131 lm/W	-4°F - 122°F	175W MH, 2T5HO
HHB-18L-U-50-FRL	17,583 lm	133 W	132 lm/W	-4°F - 122°F	250W MH, 4T5HO
HHB-24L-U-50-FRL	23,187 lm	178 W	130 lm/W	-4°F - 122°F	400W MH, 6T5HO
HHB-34L-U-50-FRL	34,945 lm	267 W	131 lm/W	-4°F - 122°F	750W MH, 8T5HO
HHB-321WLED-UNIV-50-FRL	42,512 lm	318 W	134 lm/W	-4°F - 115°F	1000W MH, 10T5HO
HHB-425WLED-UNIV-50-FRL	56,660 lm	421 W	135 lm/W	-4°F - 105°F	1000W MH, 12T5HO

LED System data above based on HHB-8L-U-50-FRL, HHB-12L-U-50-FRL, HHB-18L-U-50-FRL, HHB-24L-U-50-FRL, HHB-34L-U-50-FRL, HHB-321WLED-UNIV-50-FRL & HHB-425WLED-UNIV-50-FRL.

SPECIFICATIONS

CONSTRUCTION

Post painted white 22ga. steel body for maximum rigidity and durability. Knockouts positioned on top and side of driver channel for convenient wiring accessibility.

ELECTRICAL

Class 2 LED light engine for high efficacy & long life. Calculated L70 > 100K hours. LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient. Power Factor > 0.90. Standard 120-277 Vac 0-10V dimmable (10%-100%) w/ optional 347-480 Vac step down transformer. Optional emergency battery backups available to meet critical life safety lighting requirements. Fixture reduced max ambient for emergency battery backup & step down options.

MOUNTING

Options include suspension chain, aircraft cables, hook, single pendant (HUB), surface mount (SMBKIT). Reduced maximum ambient range for surface mount.

WARRANTY

5 Year Warranty (Terms and Conditions apply)

OPTICS

Standard with impact resistant frosted acrylic lens (FRL) for added LED glare reduction. Optional clear polycarbonate lens (PCL) available.

THERMAL

Ambient temperature range -4°F to 122°F for 8L to 34L configurations. -4°F to 115°F for 321W configuration. -4°F to 105°F for 425W configuration. High Temperature (HT) option available for 321W & 425W to increase maximum ambient temperature by 10°F.

CONTROLS

Factory installed Advanced & Basic integral occupancy sensor options available. All sensors are end fixture mounted through knockout. Inquire with manufacturer for additional controls options, including customer supplied items.

CERTIFICATIONS

UL Listed to US and Canadian safety standards. Suitable for damp locations. DLC (DesignLights Consortium) Premium Qualified. Please refer to the DLC Qualified Products List at www.designlights.org/QPL to confirm specific product qualifications.

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CONTROLS OPTIONS

BASIC

FIOS

Standard on/off motion sensor. Comes with 360 degree high bay lens, 360 degree low bay lens & aisle lens. 360 degree high bay lens factory installed, unless notified otherwise.

FIOSPC

Motion sensor w/ the addition of photocell control. When installed, fixture will not activate unless 1. motion is detected and 2. light levels are below the preset level. When activated, fixture will turn on to 100% light output & will only shut off when one of the two levels mentioned above are met. If no motion is detected & light levels fall below preset level the fixture remains off.

FIOSPC/DLH

Factory installed motion sensor with the addition of photocell control that will allow for daylight harvesting. When installed, fixture will not activate unless 1. motion is detected & 2. light levels are below the preset level. When activated, fixture will turn on only enough to meet the preset light levels and will adjust as the amount of light in the space adjusts between 100%-10%. If light levels are adequate the fixture will remain off.

DHPC

Daylight Harvesting off photocell. Fixtures will continually dim up/down throughout the day based on light level readings taken from the photocell control.

USBD

User Selectable Bi-Level Dimming. Allows the end user to manually select the unoccupied dimming level. Once motion is detected, the fixture will return to 100% light output.

BDxx

Factory set Bi-Level Dimming. Sensor is set to dim level, as indicated in the "xx" portion of the part number, when the area is unoccupied. Example: BD20 sets the fixture to dim down to 20% lumen output when the area is unoccupied. Once motion is detected, the fixture will return to 100% light output.

BDxxPC

Factory set Bi-Level Dimming with motion and photocell. Sensor is set to dim level, as indicated in the "xx" portion of the part number, when the area is unoccupied and will not return to 100% light output unless 1. motion is detected and 2. the light level is below the preset level. Example: BD20PC sets the fixture to dim down to 20% lumen output when the area is unoccupied and will not return to 100% light output unless the above conditions are met for both motion and light level readings.

ADVANCED

Philips ES/HB

EasySense sensor combines occupancy sensing, daylight harvesting and institutional tuning in one compact solution. This is an ideal control for any high bay application. Each device allows you to turn on/off occupancy and/or daylight harvesting functions as well as set the full light output, background light level, occupancy prolong time, occupancy grace fading time & occupancy time out/hold time. Requires use of EasySense Pre-Programmed Control Device (ES/PCD) & Commissioning IR Blaster (ES/IR); one of each needed per project. (Sold separately)

OPTIONS



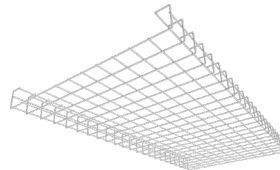
CORDx

Cords available in 6ft, 10ft, 12ft & 20ft
(Inquire for additional options)



QDCx

Quick Disconnect Cords available
in 6ft, 10ft, 12ft & 20ft (Inquire for
additional options)



WC

11 GA Wire Cage



HUB 3/4

Conduit Hub 3/4" for Pendant Mounting



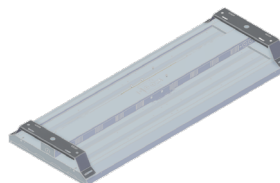
HOOK

Cast Iron Hook for Single
Point Mounting



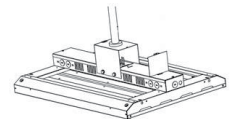
HB-XX-18Y-PAD

Includes 2 adjustable cable hangers.
Available in 60", 120", 180" & 240"



SMBKIT

Surface Mount Bracket Kit provides
a 2" space above the fixture



CPMB

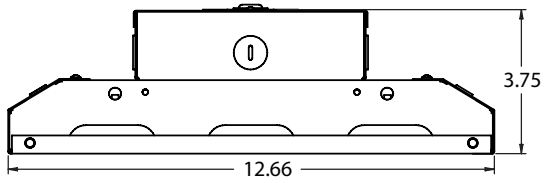
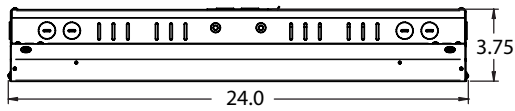
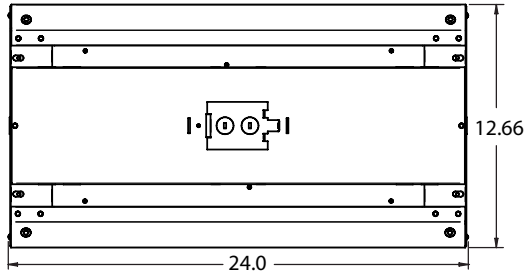
Center Point Mounting Box for Single Point
Mounting (must be used with HUB or HOOK)

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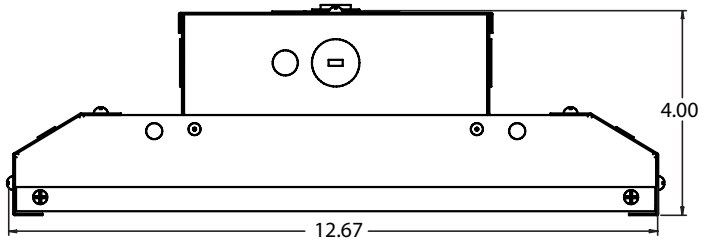
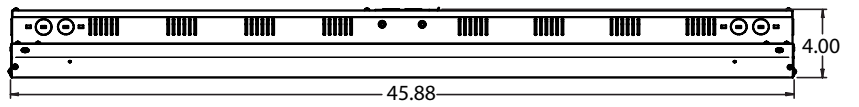
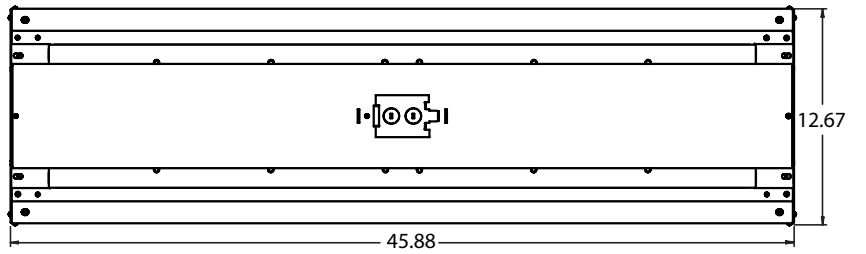
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LINE DRAWINGS

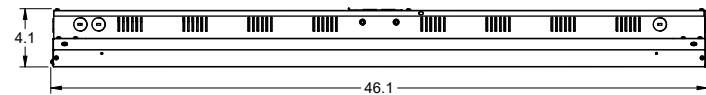
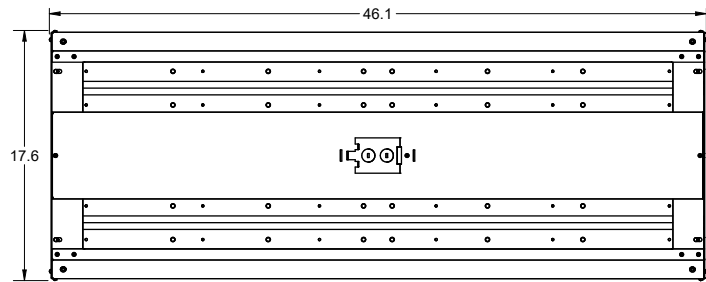
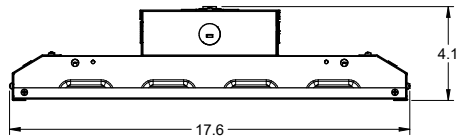
8L, 12L, 18L, & 24L



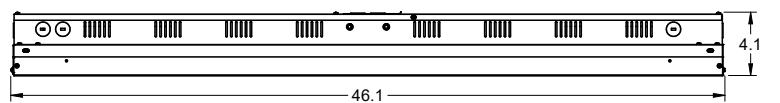
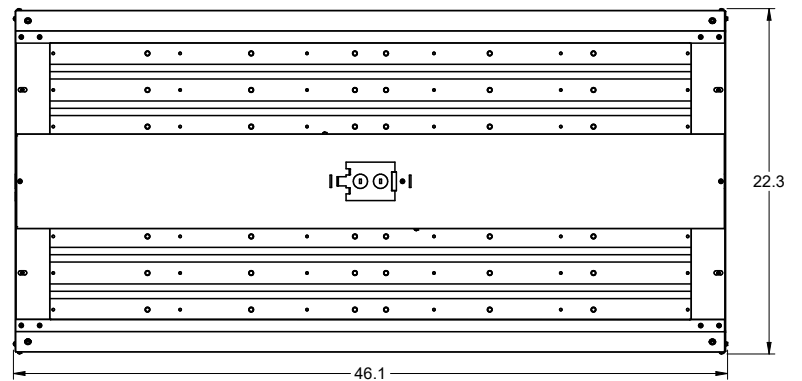
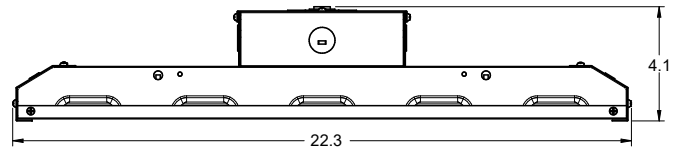
34L



321W



425W



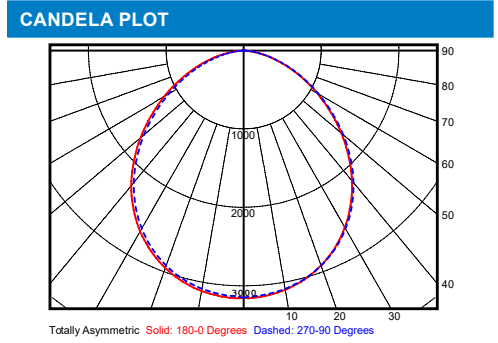
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PHOTOMETRIC DATA

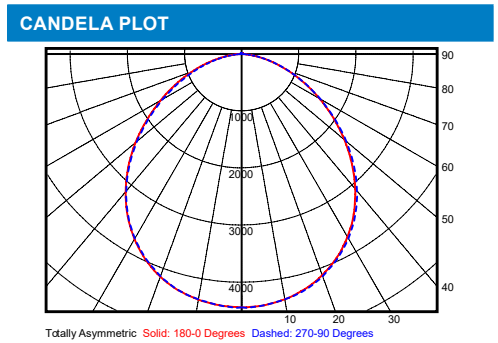
LUMINAIRE DATA	
Part Number	HHB-8L-U-50-FRL
Description	Himalayan High Bay, 8000lm, with frosted acrylic lens
Fixture Lumens (lm)	8,201 lm
Wattage (W)	63 W
Efficacy (lm/W)	131 lm/W
Mounting	Suspended or Surface
Spacing Criteria	0° = 1.24, 90° = 1.24

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	3,966	48%
0° - 60°	6,739	82%
0° - 90°	8,162	100%
90° - 180°	39	1%
0° - 180°	8,201	100%



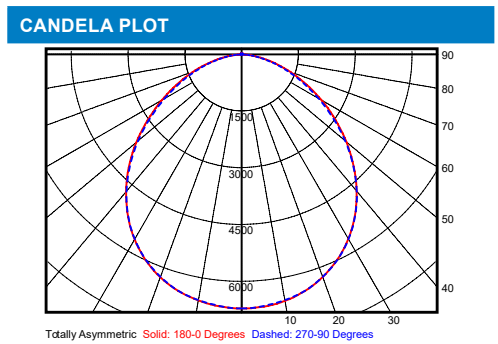
LUMINAIRE DATA	
Part Number	HHB-12L-U-50-FRL
Description	Himalayan High Bay, 12000lm, with frosted acrylic lens
Fixture Lumens (lm)	11,601 lm
Wattage (W)	89 W
Efficacy (lm/W)	130 lm/W
Mounting	Suspended or Surface
Spacing Criteria	0° = 1.24, 90° = 1.26

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	5,615	48%
0° - 60°	9,545	82%
0° - 90°	11,557	100%
90° - 180°	45	0%
0° - 180°	11,602	100%



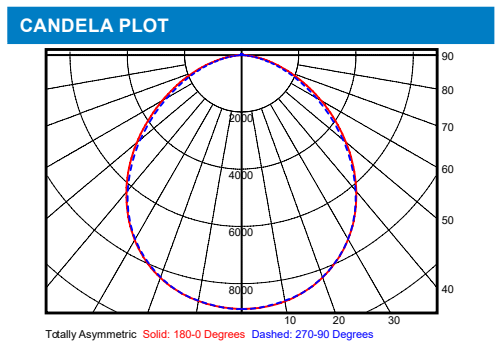
LUMINAIRE DATA	
Part Number	HHB-18L-U-50-FRL
Description	Himalayan High Bay, 18000lm, with frosted acrylic lens
Fixture Lumens (lm)	17,460 lm
Wattage (W)	134 W
Efficacy (lm/W)	131 lm/W
Mounting	Suspended or Surface
Spacing Criteria	0° = 1.26, 90° = 1.26

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	8,494	49%
0° - 60°	14,419	83%
0° - 90°	17,393	100%
90° - 180°	69	0%
0° - 180°	17,462	100%



LUMINAIRE DATA	
Part Number	HHB-24L-U-50-FRL
Description	Himalayan High Bay, 24000lm, with frosted acrylic lens
Fixture Lumens (lm)	22,909 lm
Wattage (W)	179 W
Efficacy (lm/W)	128 lm/W
Mounting	Suspended or Surface
Spacing Criteria	0° = 1.26, 90° = 1.26

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	11,213	49%
0° - 60°	18,970	83%
0° - 90°	22,821	100%
90° - 180°	62	0%
0° - 180°	22,913	100%



LUMINAIRE DATA	
Part Number	HHB-34L-U-50-FRL
Description	Himalayan High Bay, 34000lm, with frosted acrylic lens
Fixture Lumens (lm)	34,560 lm
Wattage (W)	268 W
Efficacy (lm/W)	129 lm/W
Mounting	Suspended or Surface
Spacing Criteria	0° = 1.26, 90° = 1.26

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	16,689	48%
0° - 60°	28,445	82%
0° - 90°	34,425	100%
90° - 180°	139	0%
0° - 180°	34,564	100%

