



HIMALAYAN HIGH BAY

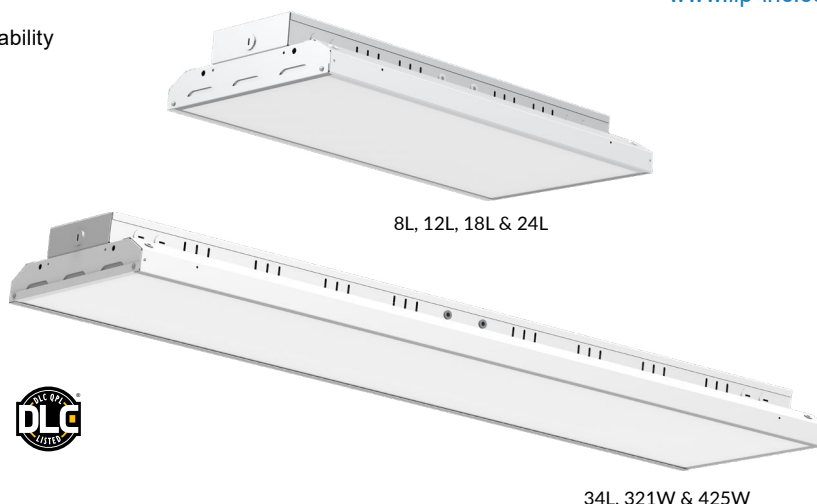
LINEAR HIGH BAY



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 (std); 10 Year Warranty Optional
- UL Listed for Damp Location
- DesignLights Consortium® Premium Qualified Luminaire



SUITABLE APPLICATIONS

- Warehouses
- Distribution Centers
- Gymnasiums
- Manufacturing Plants

ORDERING GUIDE:

| SERIES | LUMENS/WATTAGE | DRIVER | CCT | PRIMARY LENS | WARRANTY | |
|---------------------------|----------------|------------|-----|---|----------------------------|--|
| HHB Himalayan High Bay | 8L | U 120-277V | 50 | FRL Frosted Lens (std.) | BLANK 5 Year | |
| | 12L | | 40 | PCL ¹ Clear Polycarbonate Lens | 10YR ¹⁰ 10 Year | |
| | 18L | | | | | |
| | 24L | | | | | |
| | 34L | | | | | |
| | 321W 425W | | | | | |

| OPTIONS | | CONTROLS OPTIONS | |
|----------------------------------|---|--------------------------|--|
| Factory Installed | | Basic | |
| CORDx | Cord (x = ft) | FIOS | On/Off Occupancy Sensor |
| QDCx | Quick Disconnect Cord (x = ft) | FIOSPC | On/Off Occupancy Sensor w/ Photocell |
| FI/ILBCP05³ | 5W LED Factory Installed Battery Backup | FIOSPC/DLH | On/Off Occupancy Sensor w/ Daylight Harvesting |
| FI/ILBCP05/HE³ | 5W LED Factory Installed Battery Backup - CEC Title 20 Compliant | DHPC | Daylight Harvesting |
| FI/ILBCP07³ | 7W LED Factory Installed Battery Backup | USBD | User Bi-Level Dim Sensor w/ Occ. Sensor |
| FI/ILBCP07/HE³ | 7W LED Factory Installed Battery Backup - CEC Title 20 Compliant | BDxx | Preset Bi-Level Dim Sensor (xx=%eg.20,30) |
| FI/ILBCP10³ | 10W LED Factory Installed Battery Backup | BDxxPC | Preset Bi-level Dim Sensor w/ Photocell |
| FI/ILBCP10/HE³ | 10W LED Factory Installed Battery Backup - CEC Title 20 Compliant | | |
| FI/ILBCP12³ | 12W LED Factory Installed Battery Backup | | |
| FI/ILBCP20³ | 20W LED Factory Installed Battery Backup - CEC Title 20 Compliant | | |
| FI/EM25² | 25W LED Factory Installed Battery Backup | | |
| SD480² | 480V Step Down Transformer | | |
| SD347² | 347V Step Down Transformer | | |
| HT⁴ | High Temperature Option | | |
| Ship With Accessories | | Advanced | |
| WC | 11ga Wire Cage | ES/HB⁹ | EasySense High Bay Sensor |
| HUB3/4⁵ | Conduit Hub 3/4" for pendant mount | | |
| HOOK⁶ | Cast Iron Hook for single point mounting | | |
| HB-XX-18Y-PAD | Y-Toggle Cable System (xx = in) | | |
| SMBKIT | Surface Mount Bracket | | |
| CPMB-WIDE | Center Point Mounting Box | | |
| ES/PCD⁷ | EasySense Pre-Programmed Control Device | | |
| ES/IR⁸ | EasySense Commissioning IR Blaster | | |
| ES/WWS/DR | EasySense Dual Rocker Wireless Wall Switch | | |

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

¹⁰ Contact Factory for more details

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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 Standard; 10 Year Warranty Optional ([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



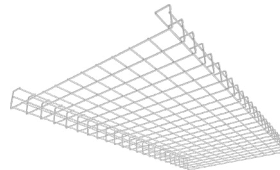
CORDx

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



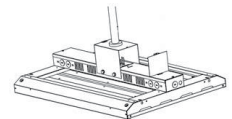
HB-XX-18Y-PAD

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



SMBKIT

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



CPMB

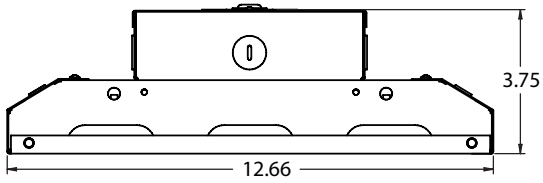
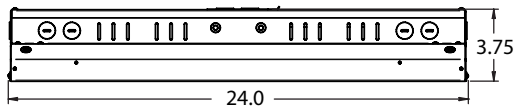
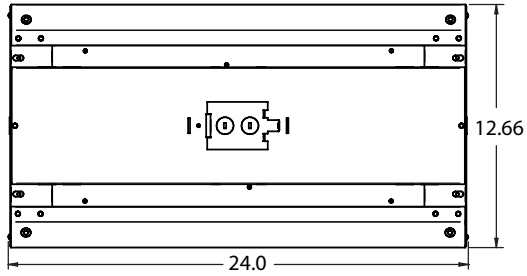
Center Point Mounting Box for Single Point
Mounting (must be used with HUB or HOOK)

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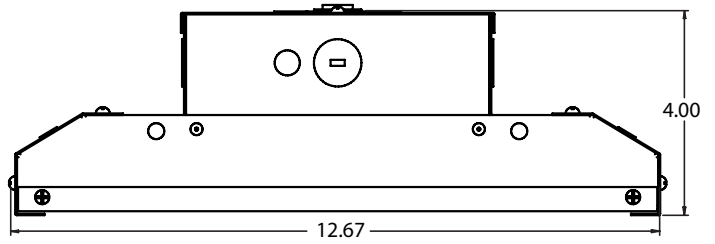
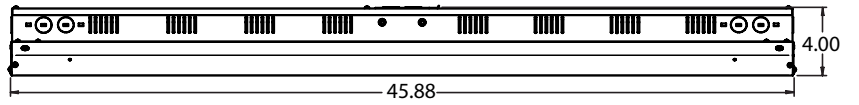
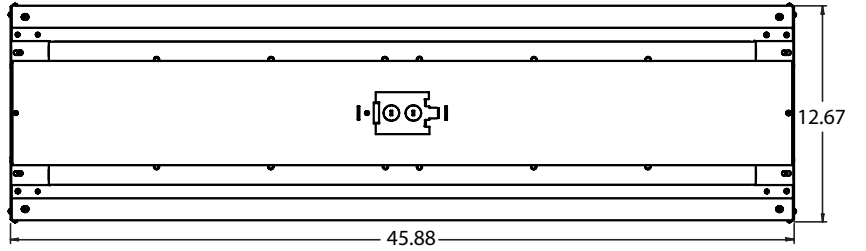
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LINE DRAWINGS

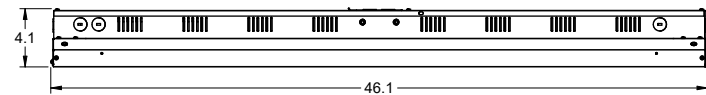
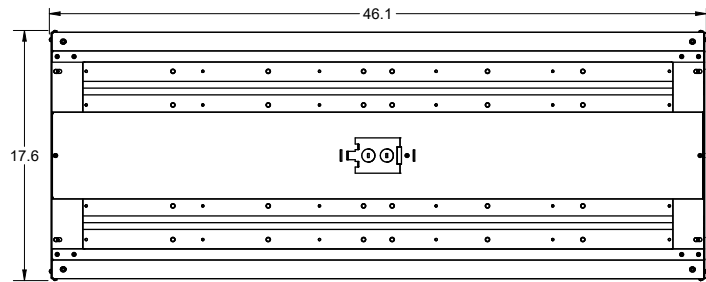
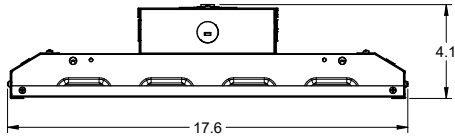
8L, 12L, 18L, & 24L



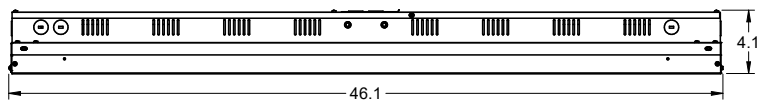
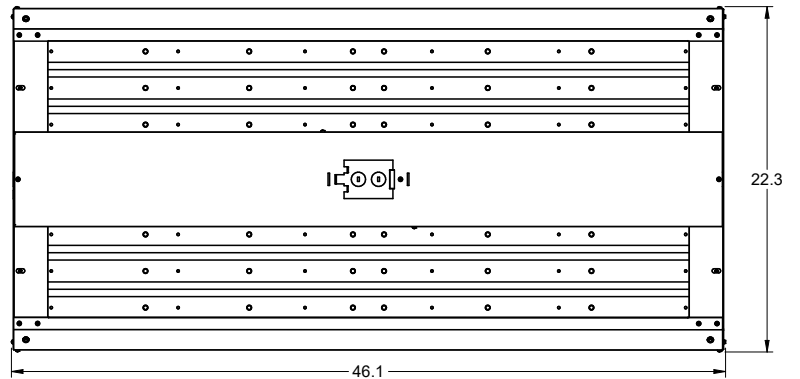
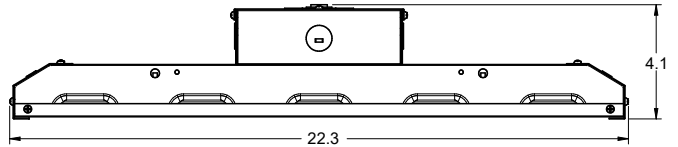
34L



321W



425W



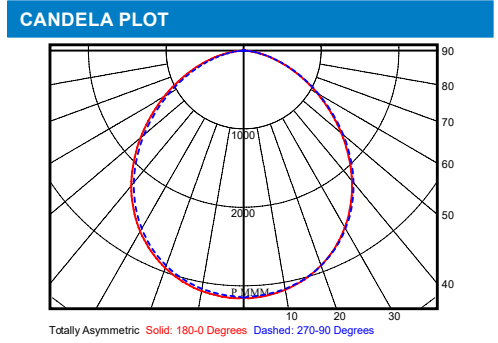
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PHOTOMETRIC DATA

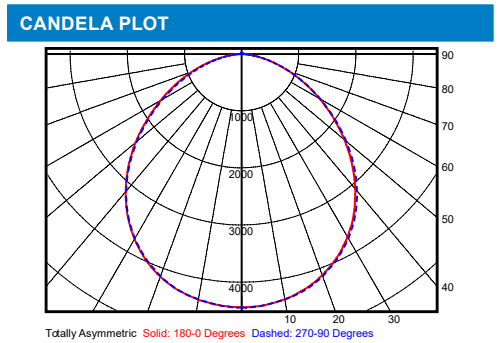
| LUMINAIRE DATA | |
|---------------------|---|
| Part Number | HHB-8L-U-50-FRL |
| Description | Himalayan High Bay, 8000lm, with frosted acrylic lens |
| Fixture Lumens (lm) | 8,201 lm |
| Wattage (W) | 63 W |
| Efficacy (lm/W) | 131 lm/W |
| Mounting | Suspended or Surface |
| Spacing Criteria |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



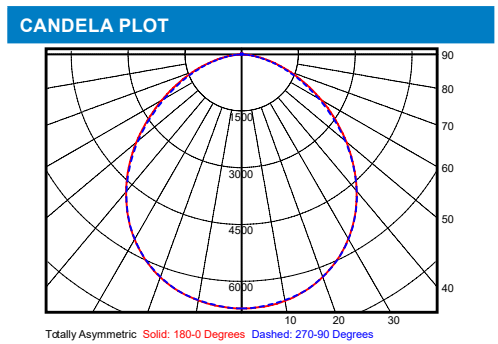
| LUMINAIRE DATA | |
|---------------------|--|
| Part Number | HHB-12L-U-50-FRL |
| Description | Himalayan High Bay, 12000lm, with frosted acrylic lens |
| Fixture Lumens (lm) | 11,601 lm |
| Wattage (W) | 89 W |
| Efficacy (lm/W) | 130 lm/W |
| Mounting | Suspended or Surface |
| Spacing Criteria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



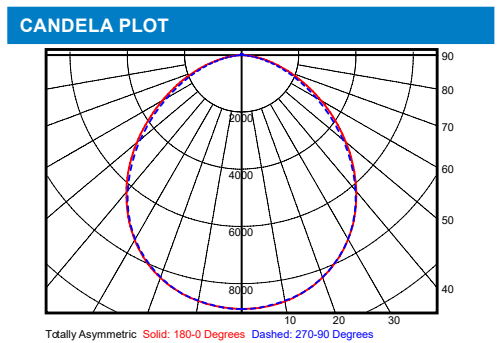
| LUMINAIRE DATA | |
|---------------------|--|
| Part Number | HHB-18L-U-50-FRL |
| Description | Himalayan High Bay, 18000lm, with frosted acrylic lens |
| Fixture Lumens (lm) | 17,460 lm |
| Wattage (W) | 134 W |
| Efficacy (lm/W) | 131 lm/W |
| Mounting | Suspended or Surface |
| Spacing Criteria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

