

HC45

L70
25°C

299,000 Hours

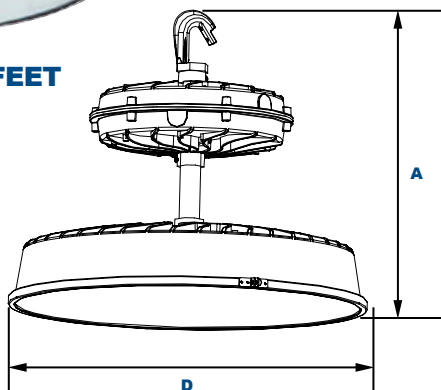
22" LED Narrow Beam Highbay



**Microwave Sensor
Factory Installed "M3"
Option (120-277V Only)**



MOUNTING up to 70 FEET



Dimensions

| | |
|---------------------|-----------------|
| Diameter (D) | 22 1/4" (565mm) |
| Height (A) | 16 1/4" (413mm) |

The 22" Narrow Beam High Bay is designed to replace HID lighting systems up to 1000w MH. Typical applications are high ceiling industrial, manufacturing, military and large aircraft hangar facilities. Suitable for 40 to 70 foot mounting heights based on light level and uniformity requirements.

Specifications and Features:

Housing:

Die Cast Aluminum Housing with External Heat Sinks for Cooler Operating Temperatures. Includes 4" Stem.

Listing & Ratings:

CSA: Listed for Damp Locations, ANSI/UL 1598, 8750
(Lens Gasket Use Required); IP65 Sealed LED Compartment.

Finish:

White Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens:

Tempered Clear Flat Glass Lens

Mounting Options:

Mount with Included 1" Die Cast Hook.

EasyLED LED:

Aluminum Boards

Wattage:

Array: 275.4w, System: 296.4w; (400-1000w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available. Please Consult Factory. Fixtures are Tested with LEPC Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty:

5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

Order Information Example: HB45QI1X273U5KGWSP

| HC45 | I | 1X273 | | 5K | G | | |
|-------------------------------|---------------|------------|--------------------------|----------|-------------------------|--|---|
| Model | Optics | Wattage | Driver | CCT | Lens | Color | Options |
| HC45= EasyLED 22" LED Highbay | I=Narrow Beam | 1X273=273w | U=120-277V H=347-480V | 5K=5000K | G=Clear Flat Glass Lens | W=White C=Custom (Consult Factory) | SF =Single Fuse* DF =Double Fuse* SP =Surge Protection M3 =Microwave Sensor for Mounting Heights of 20 Feet or Above.* CP6120W =6' White Cord, 3 Wire, L5-15P Twist-Lock Plug CP6277W =6' White Cord, 3 Wire, L7-15P Twist-Lock Plug C6600B =6' Black Cord, STW, 600VAC, 3 Wire, Leads C6600W =6' White Cord, STW, 600VAC, 3 Wire, Leads C4600B =4' Black Cord, SEOWW, 600VAC, 3 Wire, Leads BU =Battery Backup* *120-277V Models Only. |

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:



DesignLights Consortium™
Qualified Luminares:
HB45QI1X273[U H]5KG**



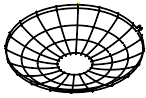
22" LED Narrow Beam Highbay

Lens Options:



HC45 Shown with Tempered Clear Flat Glass Lens (G)

Accessories & Replacement Parts:



HBCAR22WG



P17116

Accessories (Order Separately, Field Installed)

| | |
|-----------|---|
| HBCAR22WG | Wire Guard, Fits HC45, for Use with Flat Glass Lenses. |
| CPSC | Safety Cable, 3' Steel Cable with Clear Vinyl Coating, Steel Eye & Loop Ends. |



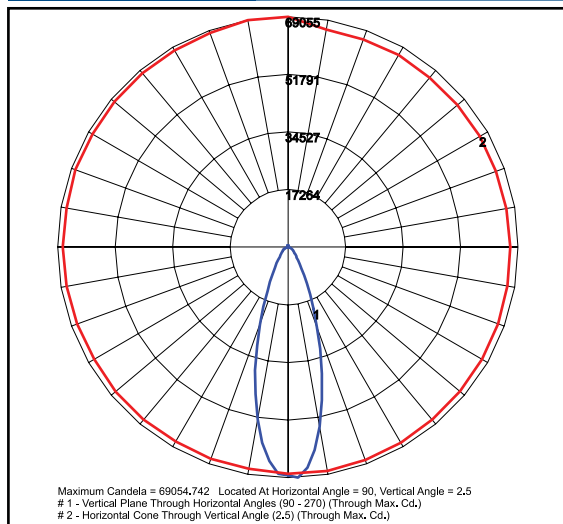
CPSC

Replacement Parts (Order Separately, Field Installed)

| | |
|--------|--|
| HBGL22 | 22" Tempered Clear Flat Glass Lens |
| HBCB22 | 22" Clampband |
| CPMH3 | Die Cast Hook with 1" NPS Threads |
| P17116 | Microwave Sensor for Mounting Heights of 20 Feet or Above (120-277V Only). |

Replacement BU Available-Consult Factory.

Photometric Data



HC45QI1X273U5KG
-Clear Glass Lens

Photometric Performance

| LED Board Watts | Drive Current (mA) | Input Watts | Spacing Criteria | 5000 CCT 80 CRI | |
|-----------------------------------|--------------------|-------------|------------------|-----------------|-----|
| | | | | Lumens | LPW |
| EasyLED 273w with Clear Glass (G) | 525 | 296 | 0.54 | 33,540 | 113 |

Projected Lumen Maintenance

| Data shown for 5000 CCT | | | Compare to MH | | | |
|--------------------------------------|-------------|---------|---------------|------------|-------------|----------------------|
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 25°C |
| L70 Lumen Maintenance @ 25°C / 77°F | 296 | 1.00 | 0.97 | 0.95 | 0.90 | 299,000 |
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 50°C |
| L70 Lumen Maintenance @ 50°C / 122°F | 296 | 1.00 | 0.97 | 0.94 | 0.88 | 172,000 |
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L80@ 40°C |
| L80 Lumen Maintenance @ 40°C / 104°F | 296 | 1.00 | 0.97 | 0.93 | 0.86 | 148,000 |

NOTES:

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.