

HB45Q DuraLED Hampton 22" LED Highbay



| | |
|----------------------------|---------------------|
| Project Information | |
| Project Name: _____ | Fixture Type: _____ |
| Complete Catalog #: _____ | Date: _____ |
| Comments: _____ | |

The DuraLED Hampton 22" LED Highbay is available with a choice of four lenses designed to replace HID lighting systems from 400w to 1000w MH. Typical high bay lighting applications include warehouses, manufacturing facilities, gymnasiums, indoor sports facilities, and retail and big box store lighting. Suitable for 18 to 45 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. Maximum Stem Length: 30 Feet.

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, Acrylic Drop Lens, Acrylic Conical Lens.

MOUNTING OPTIONS:

Mount with Included 1" Die Cast Hook.

DURALED LED:

Aluminum Boards

WATTAGE:

Array: 275.4w, System Input: 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 DuraGuard Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

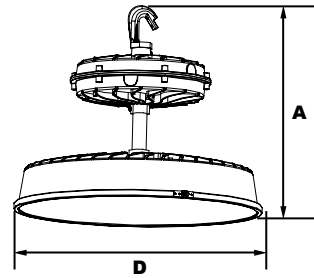
WARRANTY:

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

See Page 3 for Projected Lumen Maintenance Table.



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



Dimensions

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

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: HB45QF1X273U5KGWSP

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| HB45Q | F | 1X273 | | | | | |
|-------------------------------|--------|------------|--|----------------------|------|---------------------------------------|---------|
| Model | Optics | Wattage | Driver | CCT | Lens | Color | Options |
| HB45Q=Hampton 22" LED Highbay | F=Wide | 1X273=273w | U=120-277V H=347-480V | 4K=4000K 5K=5000K | | W=White C=Custom (Consult Factory) | |
| | | | G =Clear Flat Glass Lens C =Acrylic Conical Lens D =Acrylic Drop Lens B =UV-Stabilized Polycarbonate Drop Lens | | | | |
| | | | 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, SEOW, 600VAC, 3 Wire, Leads BU =Battery Backup* BC =Cold Start Battery Backup, -20°C, 90 Minutes* | | | | |

*120-277V Models Only.



DesignLights Consortium™
Qualified Luminaires:
HB45QF1X273[U H]5KG**



Specifications subject to change without notice.

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Lens Options



HB45Q Shown with Tempered Clear Flat Glass Lens (G)



HB45Q Shown with Acrylic Conical Lens (C)

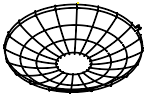


HB45Q Shown with Acrylic Drop Lens (D)



HB45Q Shown with UV-Stabilized Polycarbonate Drop Lens (B)

ACCESSORIES & REPLACEMENT PARTS:



22WG



P17116

| Accessories (Order Separately, Field Installed) | |
|--|---|
| 22WG | Wire Guard for Use with Glass Lenses Only. |
| CPSC | Safety Cable, 3' Steel Cable with Clear Vinyl Coating, Steel Eye & Loop Ends. |



CPSC

| Replacement Parts (Order Separately, Field Installed) | |
|--|--|
| 22FG | 22" Tempered Clear Flat Glass Lens |
| 22ACCL | 22" LexaLite Clear Prismatic Acrylic Conical Lens. UV-Stabilized, High-Efficiency Operation in General Applications. |
| 22ACDL | 22" LexaLite Clear Prismatic Acrylic Drop Lens. UV-Stabilized, High-Efficiency Operation in General Applications. |
| 22PCDL | 22" UV-Stabilized Polycarbonate Drop Lens |
| 22CB | 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. | |

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PHOTOMETRIC PERFORMANCE

| LED Board Watts | Drive Current (mA) | Input Watts | Spacing Criteria | 5000 CCT 80 CRI | | 4000 CCT 80 CRI | |
|--|--------------------|-------------|------------------|-----------------|-----|-----------------|-----|
| | | | | Lumens | LPW | Lumens | LPW |
| DuraLED 273w with Clear Glass (G) | 525 | 296 | 1.34 | 32,427 | 110 | 31,130 | 105 |
| DuraLED 273w with Acrylic Conical Lens (C) | | | 1.32 | 32,371 | 109 | 31,076 | 105 |
| DuraLED 273w with Acrylic Drop Lens (D) | | | 1.06 | 31,509 | 106 | 30,249 | 102 |

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 | 291 | 1.00 | 0.97 | 0.95 | 0.90 | 299,000 |

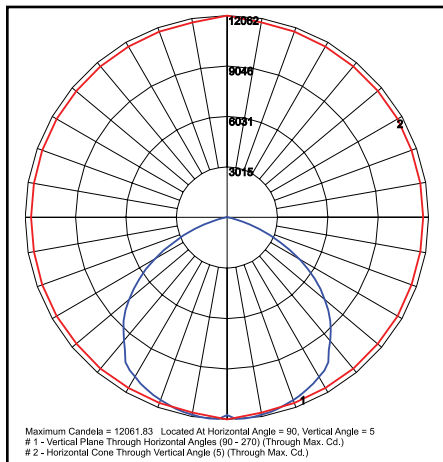
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 50°C |
|--------------------------------------|-------------|---------|------------|------------|-------------|----------------------|
| L70 Lumen Maintenance @ 50°C / 122°F | 291 | 1.00 | 0.97 | 0.94 | 0.88 | 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 | 291 | 1.00 | 0.97 | 0.93 | 0.86 | 148,000 |

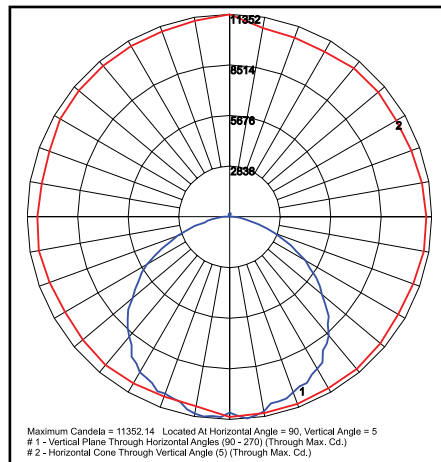
NOTES:

1. 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.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

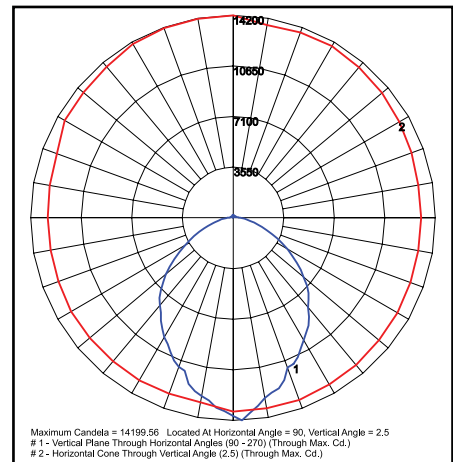
PHOTOMETRIC DATA



HB45QF1X273U5KG - Clear Glass Lens



HB45QF1X273U5KC - Conical Lens



HB45QF1X273U5KD - Drop Lens