AccessFixtures
High-Performance Lighting Solutions
AccessFixtures.com 800.468.9925 Sales@AccessFixtures.com

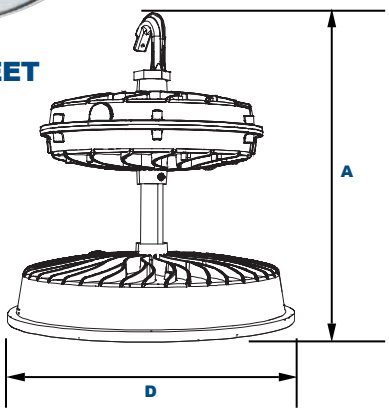
HB44Q

L70 25°C 302,000 Hours

EMBU 179w LED High Bay - Narrow Beam

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

MOUNTING up to 50 FEET



Dimensions	
Diameter (D)	16¼″ (413mm)
Height (A)	16¼″ (413mm)

The EMBU 179w LED High Bay for high temperature locations has a choice of four lenses designed to replace HID lighting systems up to 400w MH. Typical applications are high ceiling industrial, manufacturing, military and large aircraft hangar facilities. Suitable for 30 to 50 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, Polycarbonate Drop Lens, Acrylic Drop Lens, Acrylic Conical Lens.

Mounting Options:
Mount with Included ¾″ Die Cast Hook.

EasyLED LED:
Aluminum Boards

Wattage:
Array: 169w; System: 178.5w; (400w 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 LEPG 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: HB44QI1X169U5KGWSP

HB44Q	I	1X169		5K			
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Lens**	**Color**	**Options**
HB44Q=EasyLED Bentley 16" LED Highbay	**I**=Narrow Beam	**1X169**=169w	**U**=120-277V **H**=347-480V	**5K**=5000K	**G**=Clear Flat Glass Lens **C**=Acrylic Conical Lens **D**=Acrylic Drop Lens **B**=Polycarbonate Drop Lens	**W**=White **C**=Custom (Consult Factory)	**SF**=Single Fuse (120-277V Only) **DF**=Double Fuse (120-277V Only) **SP**=Surge Protection **M3**=Microwave Sensor for Mounting Heights of 20 Feet or Above (120-277V Only) **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, SEOOW, 600VAC, 3 Wire, Leads **BU**=Battery Backup

Project Information:

Project Name: Fixture Type:

Complete Catalog #: Date:

Comments:

Certification & Listings:

DesignLights Consortium™ Qualified Luminaires: HB44QI1X169[U H]5KG**

IP65

Specifications subject to change without notice. Rev. 042519

HB44Q

L70 25°C 302,000 Hours

ısyLED Bentley 16" LED Narrow Beam Highbay

Lens Options:

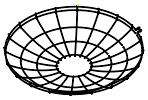
HB44Q Shown with Tempered Clear Flat Glass Lens (G)

HB44Q Shown with Acrylic Conical Lens (C)

HB44Q Shown with Acrylic Drop Lens (D)

HB44Q Shown with Polycarbonate Drop Lens (B)

Accessories & Replacement Parts:



HB44WG

P17116

Accessories (Order Separately, Field Installed)	
HB44WG	Wire Guard, Fits HB44, for Use with Flat Glass Lenses.

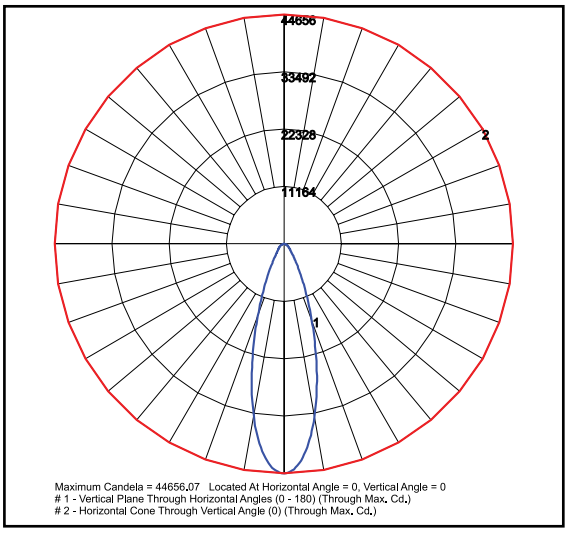
Replacement Parts (Order Separately, Field Installed)	
HBGL16	16″ Tempered Clear Flat Glass Lens
HBCL16	16″ LexaLite Clear Prismatic Acrylic Conical Lens. UV Stabilized, High-Efficiency Operation in General Applications.
HBDL16	16″ LexaLite Clear Prismatic Acrylic Drop Lens. UV Stabilized, High-Efficiency Operation in General Applications.
HBPC16	16″ Polycarbonate Drop Lens.
HBCB16	16″ Clampband
CPMH1	Die Cast Hook with ¾″ NPS Threads
P17116	Microwave Sensor for Mounting Heights of 20 Feet or Above (120-277V Only).
Replacement BU Available-Consult Factory.	

HB44Q

L70 25°C 302,000 Hours

asyLED Bentley 16" LED Narrow Beam Highbay

Photometric Data



HB44QI1X169U5KG -
Clear Glass Lens

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Spacing Criteria	5000 CCT 80 CRI Lumens	5000 CCT 80 CRI LPW
EasyLED 169w with Clear Glass (G)	525	179	0.54	20,292	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	179	1.00	0.98	0.95	0.90	302,000
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	179	1.00	0.94	0.88	0.76	124,000
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	179	1.00	0.96	0.91	0.83	117,000

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.