

HB55Q DuraLED MegaBay Highbay



Project Information	
Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

The DuraGuard DuraLED MegaBay HB55 High Bay is designed for high ceiling industrial applications up to 80 feet that require maximum delivered footcandles with low maintenance and long life. The fixture is available in wide and narrow beam optics with a choice of lenses designed to replace HID lighting systems up to 1500w MH. Typical applications are high ceiling industrial, manufacturing, military and large aircraft hangar facilities. Suitable for 40 to 80 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 4" Chains.

DURALED LED:

Aluminum Boards



WATTAGE:

Array: 546w, System Input: 592w (Up to 1,500w 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.

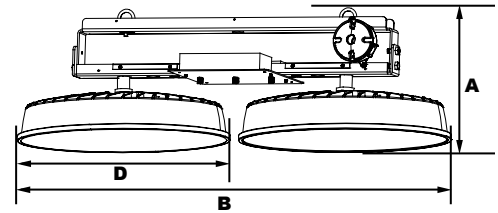
WARRANTY:

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)	22¼" (565mm)
Height (A)	16¼" (413mm)
Length (B)	46½" (1,186mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: HB55QF2X273U5KGWSP

HB55Q DuraLED MegaBay Highbay

HB55Q		2X273					
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
HB55Q=DuraLED MegaBay Highbay	F=Wide I=Narrow Beam* *5K, Clear Flat Glass Lens Only	2X273=546w	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 (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, SEOW, 600VAC, 3 Wire, Leads			



Specifications subject to change without notice.

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Lens Options



HB55Q Shown with Tempered Clear Flat Glass Lens (G)



HB55Q Shown with Acrylic Conical Lens (C)

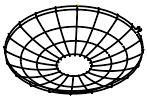


HB55Q Shown with Acrylic Drop Lens (D)



HB55Q 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. HB55 Requires Two.
CPSC	Safety Cable, 3' Steel Cable with Clear Vinyl Coating, Steel Eye & Loop Ends. HB55 Requires Two.



CPSC

Replacement Parts (Order Separately, Field Installed)	
22ACDL	22" LexaLite Clear Prismatic Acrylic Drop Lens. UV-Stabilized, High-Efficiency Operation in General Applications.
22PCDL	22" UV-Stabilized Polycarbonate Drop Lens
22ACCL	22" LexaLite Clear Prismatic Acrylic Conical Lens. UV-Stabilized, High-Efficiency Operation in General Applications.
22FG	22" Tempered Clear Flat Glass Lens
22CB	22" Clampband
P17116	Microwave Sensor for Mounting Heights of 20 Feet or Above (120-277V Only).

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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 546w with Clear Glass (G) F Optic	525	592	1.34	64,885	110	59,342	100
DuraLED 546w with Clear Glass (G) I Optic		592	0.54	67,081	113	-	-

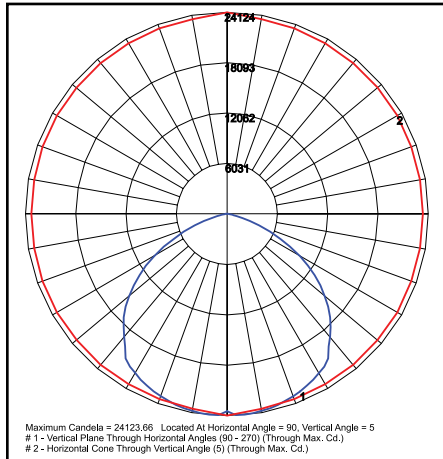
PROJECTED LUMEN MAINTENANCE

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	592	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	592	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	592	1.00	0.97	0.93	0.86	148,000

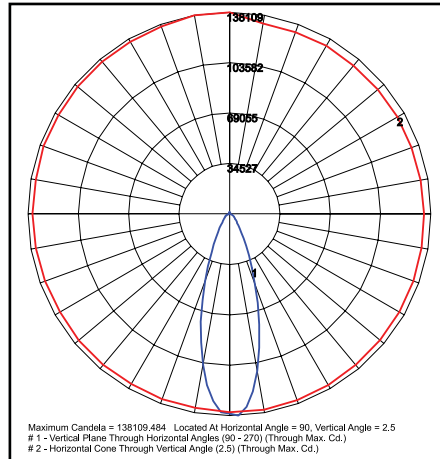
NOTES:

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



HB55QF2X273U5KG - Clear Glass Lens



HB55QI2X273U5KG - Clear Glass Lens