Atlantic INDUSTRIAL®
A QSSI Company Since 1985

LED Technology

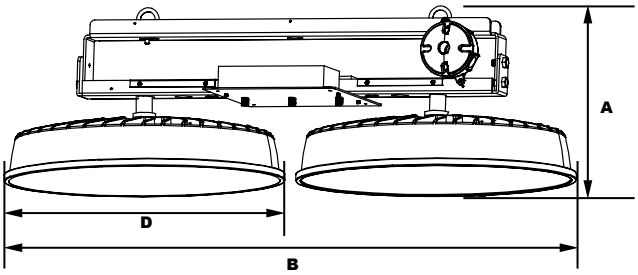
AIHB55Q

L70 25°C **299,000 Hours**

LED TurboHB HighBay

BUY AMERICAN ACT COMPLIANT

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



Dimensions	
Diameter (D)	22¼″ (565mm)
Height (A)	13⅞″ (352mm)
Length (B)	46⅝″ (1,186mm)

The Atlantic LED TurboHB AIHB55 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, UV-Stabilized Polycarbonate Drop Lens, Acrylic Drop Lens, Acrylic Conical Lens.

Mounting Options:
Mount with Included 4´ Chains.

LED:
Aluminum Boards

Wattage:
Array: 546w, System: 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 Atlantic 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: AIHB55QF2X273U5KGWSP

AIHB55Q		2X273					
Model	**Optics**	**Wattage**	**Driver**	**CCT**	**Lens**	**Color**	**Options**
AIHB55Q= LED TurboHB HighBay	**F**=Wide **I**=Narrow Beam* *5K, Clear Flat Glass Lens Only	**2X273**=546w	**U**=120-277V **H**=347-480V	**4K**=4000K **5K**=5000K	**G**=Clear Flat Glass Lens **C**=Acrylic Conical Lens **D**=Acrylic Drop Lens **B**=UV-Stabilized 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

Project Information:

Project Name: Fixture Type:

Complete Catalog #: Date:

Comments:

Certification & Listings:

IP65

ATLANTIC Solutions By Atlantic Industrial

Specifications subject to change without notice. Rev. 072420

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LED TurboHB HighBay

Lens Options:

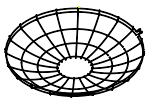
AIHB55Q Shown with Tempered Clear Flat Glass Lens (G)

AIHB55Q Shown with Acrylic Conical Lens (C)

AIHB55Q Shown with Acrylic Drop Lens (D)

AIHB55Q Shown with UV-Stabilized Polycarbonate Drop Lens (B)

Accessories & Replacement Parts:



AIHBAR22WG

AIP17116

AICPSC

Accessories (Order Separately, Field Installed)	
AIHBAR22WG	Wire Guard, Fits AIHB55, for Use with Flat Glass Lenses. AIHB55 Requires Two.
AICPSC	Safety Cable, 3´ Steel Cable with Clear Vinyl Coating, Steel Eye & Loop Ends. AIHB55 Requires Two.

Replacement Parts (Order Separately, Field Installed)	
AIHBDL22	22″ LexaLite Clear Prismatic Acrylic Drop Lens. UV-Stabilized, High-Efficiency Operation in General Applications.
AIHBPC22	22″ UV-Stabilized Polycarbonate Drop Lens.
AIHBCL22	22″ LexaLite Clear Prismatic Acrylic Conical Lens. UV-Stabilized, High-Efficiency Operation in General Applications.
AIHBGL22	22″ Tempered Clear Flat Glass Lens
AIHBCB22	22″ Clampband
AIP17116	Microwave Sensor for Mounting Heights of 20 Feet or Above (120-277V Only).

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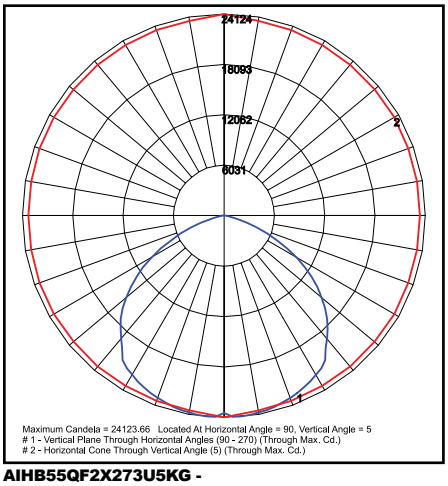
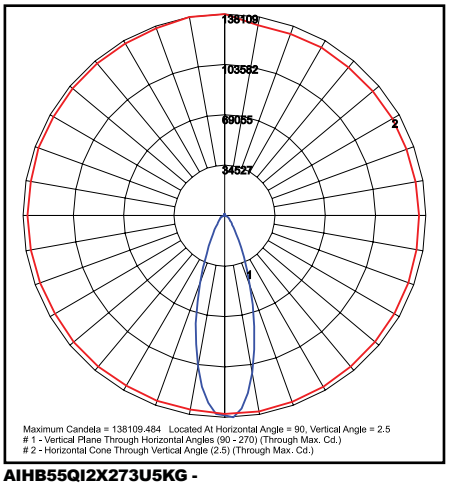
Photometric Data



AIHB55QF2X273U5KG - Clear Glass Lens



AIHB55QI2X273U5KG - Clear Glass Lens

Photometric Performance

				5000 CCT 80 CRI		4000 CCT 80 CRI	
LED Board Watts	**Drive Current (mA)**	**Input Watts**	**Spacing Criteria**	**Lumens**	**LPW**	**Lumens**	**LPW**
LED 546w with Clear Glass (G) F Optic	525	592	1.34	64,885	110	59,342	100
LED 546w with Clear Glass (G) I Optic			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.

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