

AIHBRDQ
LED Round UFO High Bay

L70
25°C

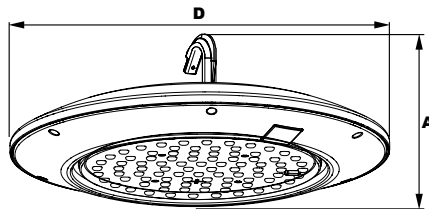
327,000 Hours



Optional Internal Microwave
Sensor mounted behind
Window



Shown with
LumaLens Option



Dimensions

Diameter (D)	18" (457mm)
Height (A)	6" (152mm)

Project Information:

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

The Atlantic AIHBRDQ Round UFO High Bay is available with a choice of two lenses designed to replace HID lighting systems up to 400w MH. Typical high bay lighting applications include warehouses, manufacturing facilities, gymnasiums, indoor sports facilities, and retail and big box store lighting. Suitable for 16 to 30 foot mounting heights based on light level and uniformity requirements.

Specifications and Features:

Housing:

Die Cast Aluminum Housing, Integral Heat Sinking. Includes 3' Cord.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750;
AIHBRDQ: IP54, Damp Locations; AIHBRDQW: IP65, Wet Locations

Finish:

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

Lens:

Clear UV-Stabilized Polycarbonate Vandal-Resistant Array Lens with Integral Optics or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens. Gasketed to Seal LED Array.

Mounting Options:

Mount with Included 3/4" Die Cast Hook.

LED:

Aluminum Boards

Wattage:

65w Array: 65.3w, System: 72w; (150-250w HID Equivalent)
100w Array: 100w, System: 111w; (150-250w HID Equivalent)
140w Array: 139.9w, System: 156w; (250-400w 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 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.

Certification & Listings:



ATLANTIC Solutions
By Atlantic Industrial

Specifications subject to change without notice. Rev. 031621

Order Information Example:

AIHBRDQF1X140U5KCWSF

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
AIHBRDQ=LED Round UFO High Bay, Damp Location AIHBRDQW=LED Round UFO High Bay, Wet Location	A=Oval F=Round	1X65=65w 1X100=100w 1X140=140w	U=120-277V H=347-480V	3K=3000K* 4K=4000K 5K=5000K *65w Only	C=Clear UV-Stabilized Polycarbonate Array Lens L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens* *F Optic Models Only	Z=Bronze W=White C=Custom (Consult Factory)	SF=Single Fuse* DF=Double Fuse* SP=Surge Protection S2=Microwave Sensor with Dimming for Mounting Heights of 8' to 40'.* S4=Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'.* 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, 90 Minutes (65w Max)* BUC=Cold Start Battery Backup, -20°C, 90 Minutes (65w Max)* *120-277V Models Only.

Accessories & Replacement Parts:

Replacement Parts (Order Separately, Field Installed)

AIHBRDPCLL SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens

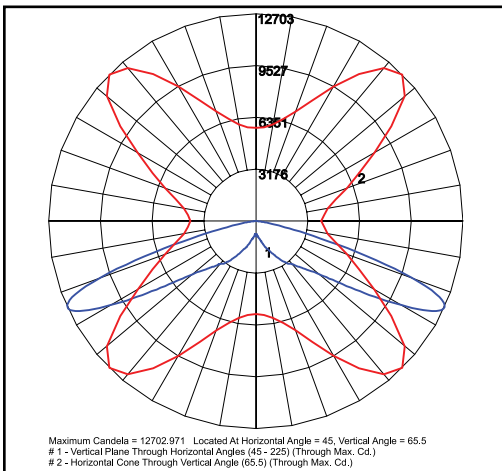
AIP17117 Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40', 120-277VAC, 50/60Hz

AIP17123 Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz

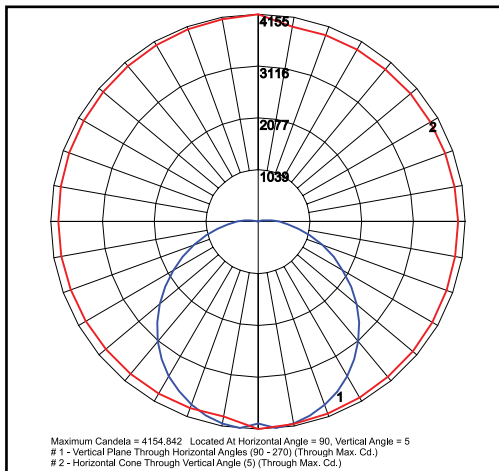
For Replacement Battery Backup, see the Atlantic LED Battery Backup Specification Sheet.



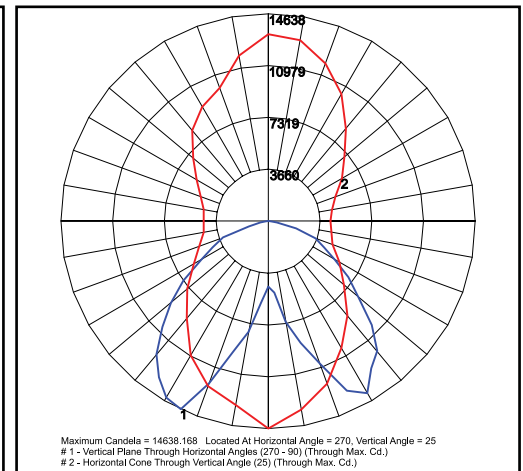
Photometric Data



AIHBRDQF1X140U5KC -
Clear Lens



AIHBRDQF1X140U5KL -
Opal LumaLens



AIHBRDQA1X140U5KC -
Clear Lens

Photometric Performance

Optic	CCT	Wattage (Catalog Logic)	65W (1X65)	100W (1X100)	140W (1X140)
		Input Watts	74.1	114	159.6
		Delivered Lumens			
AIHBRDQ & AIHBRDQ A=Oval with Clear Lens	3000K		8,538	-	-
	4000K		8,884	13,668	19,136
	5000K		9,230	14,201	19,882
AIHBRDQ & AIHBRDQ F=Round With Clear Lens	3000K		9,277	-	-
	4000K		9,653	14,851	20,791
	5000K		10,029	15,429	21,600
AIHBRDQ & AIHBRDQ F=Round with Opal LumaLens	3000K		5,625	-	-
	4000K		5,853	9,004	12,606
	5000K		6,081	9,355	13,097

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 LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 140w	1.00	0.98	0.95	0.91	327,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.94	0.89	0.78	134,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.96	0.93	0.86	141,000

NOTES:
 1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 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.