

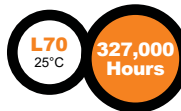
# HBRDQ DuraLED Round UFO High Bay



<b>Project Information</b>	
Project Name: _____	Fixture Type: _____
Complete Catalog #: _____	Date: _____
Comments: _____	

The DuraGuard HBRDQ 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:

ETL: Listed for Wet Locations, ANSI/UL 1598, 8750; HBRDQ: IP54, Damp Locations; HBRDWQ: 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.

### DURALED 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 DuraGuard Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

### WARRANTY:

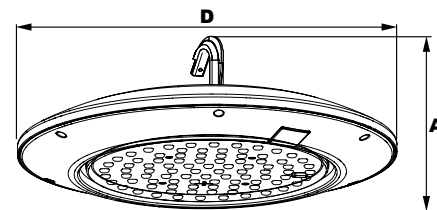
5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

**Optional Internal Microwave Sensor mounted behind Window**



Shown with LumaLens Option



### Dimensions

<b>Diameter (D)</b>	18" (457mm)
<b>Height (A)</b>	6" (152mm)

## DuraLED TECHNOLOGY

Complete Units Ordering Information  
Example: **HBRDQF1X140U5KCWSF**

# HBRDQ DuraLED Round UFO High Bay

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
<b>HBRDQ</b> =DuraLED Round UFO High Bay, Damp Location	<b>A</b> =Oval <b>F</b> =Round	<b>1X65</b> =65w <b>1X100</b> =100w <b>1X140</b> =140w	<b>U</b> =120-277V <b>H</b> =347-480V	<b>3K</b> =3000K <b>4K</b> =4000K <b>5K</b> =5000K		<b>Z</b> =Bronze <b>W</b> =White <b>C</b> =Custom (Consult Factory)	
<b>HBRDWQ</b> =DuraLED Round UFO High Bay, Wet Location							

**C**=Clear UV-Stabilized Polycarbonate Array Lens  
**L**=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens\*

\*F Optic Models Only

- 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, SEOWW, 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.



Specifications subject to change without notice.

# HBRDQ DuraLED Round UFO High Bay



## ACCESSORIES & REPLACEMENT PARTS:

### Replacement Parts (Order Separately, Field Installed)

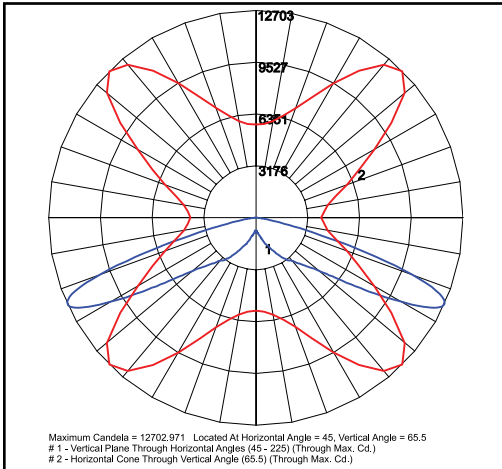
HBRDPCLL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
P17117	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz
P17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz

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

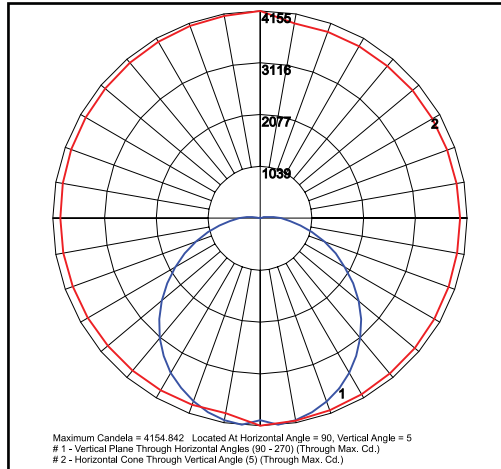


**P17117      P17123**

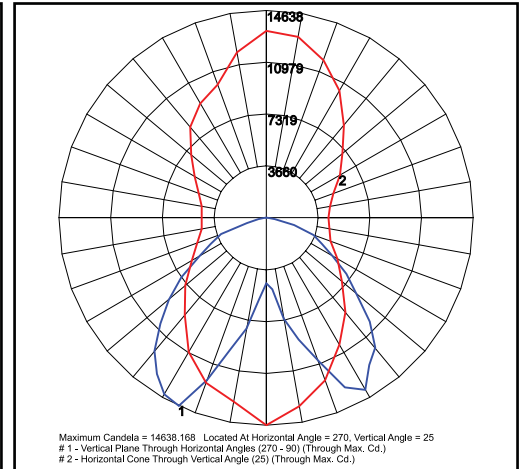
## PHOTOMETRIC DATA



**HBRDQF1X140U5KC -  
Clear Lens**



**HBRDQF1X140U5KL -  
Opal LumaLens**



**HBRDQA1X140U5KC -  
Clear Lens**

**HBRDQ DuraLED Round UFO High Bay**

**DuraGuard**  
PRODUCTS INC.  
A QSSI Company

**PHOTOMETRIC PERFORMANCE**

Optic	CCT	Delivered Lumens		
		65W (1X65)	100W (1X100)	140W (1X140)
<b>Wattage (Catalog Logic)</b>		<b>74.1</b>	<b>114</b>	<b>159.6</b>
<b>Input Watts</b>		<b>74.1</b>	<b>114</b>	<b>159.6</b>
<b>HBRDQ &amp; HBRDQ A=Oval with Clear Lens</b>	3000K	8,538	13,136	18,390
	4000K	8,884	13,668	19,136
	5000K	9,230	14,201	19,882
<b>HBRDQ &amp; HBRDQ F=Round With Clear Lens</b>	3000K	9,277	14,272	19,981
	4000K	9,653	14,851	20,791
	5000K	10,029	15,429	21,600
<b>HBRDQ &amp; HBRDQ F=Round with Opal LumaLens</b>	3000K	5,625	8,653	12,115
	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
<b>L70 Lumen Maintenance @ 25°C / 77°F</b>	All wattages up to and including 140w	1.00	0.98	0.95	0.91	327,000
<b>L70 Lumen Maintenance @ 50°C / 122°F</b>		1.00	0.94	0.89	0.78	134,000
<b>L80 Lumen Maintenance @ 40°C / 104°F</b>		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.