

# WPR250FQ DuraLED Orah Round Bulkhead - Open Frame



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

The DuraGuard Orah Round Bulkhead is designed to replace HID lighting systems up to 250w MH or HPS. The open door frame allows for maximum light output. Typical applications include office and public buildings, condominiums, schools, shopping malls, and hospitality. Recommended mounting heights are 8 to 20 feet.



## SPECIFICATIONS AND FEATURES:

### HOUSING:

Die Cast Gasketed Aluminum Open Front Frame and Housing with Integral Heat Sinking and Driver Compartment. Nickel-Plated Stainless Steel Hardware. Photocell Adaptable.

### LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.

### FINISH:

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating Custom Colors Available Upon Request.

### LENS:

SoftLED LumaLens UV-Stabilized Polycarbonate Opal Vandal-Resistant Lens Eliminates LED Hot Spots

### MOUNTING OPTIONS:

Surface Mount

### DURALED LED:

Aluminum Boards

### WATTAGE:

Array: 12w, System: 12.9w; (100w HID Equivalent)  
 Array: 17w, System: 19.7w; (100w HID Equivalent)  
 Array: 25w, System: 27.1w; (250w HID Equivalent)

### DRIVER:

Electronic Driver, 120-277V, 50/60Hz, 347V, 50/60Hz or 480-347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

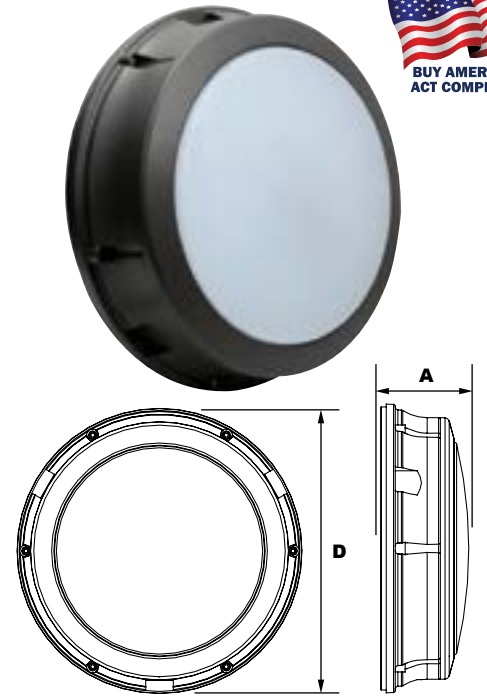
### CONTROLS:

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 2 for Projected Lumen Maintenance Table.



### Dimensions

**Diameter (D)** | 12½" (318mm)  
**Height (A)** | 3<sup>15</sup>/<sub>16</sub>" (100mm)

## DuraLED TECHNOLOGY

Complete Units  
 Ordering Information  
 Example: WPR250FQF1X25U5KLZSF

# WPR250FQ DuraLED Orah Round Bulkhead - Open Frame

WPR250FQ		F			L		
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
WPR250FQ=DuraLED Orah Round Bulkhead - Open Frame	F=Type IV	1X12=12w 1X17=17w 1X25=25w	U=120-277V C=347V* H=347-480V♦	3K=3000K 4K=4000K 5K=5000K	L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens	Z=Bronze W=White C=Custom (Consult Factory)	
			*12w & 17w only ♦25w only				
<p>SF=Single Fuse*                  DF=Double Fuse*                  SP=Surge Protector                  PC3=Photocell, 120-277VAC                  P10=Pencil Photocell, 120VAC                  P12=Pencil Photocell, 277VAC                  P14=Pencil Photocell, 120-277VAC                  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'.*                  BU=Battery Backup, 90 Minutes*                  BUC=Cold Start Battery Backup, -20°C, 90 Minutes*</p>							

\*120-277V Models Only.



Specifications subject to change without notice.

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## ACCESSORIES & REPLACEMENT PARTS:



P18103



P18110 & P18112



P18114



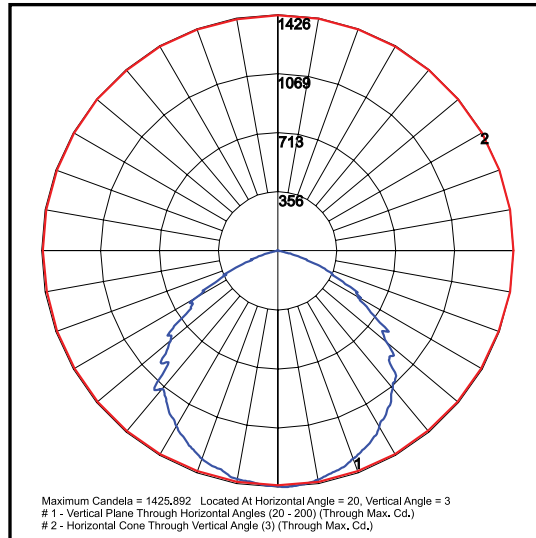
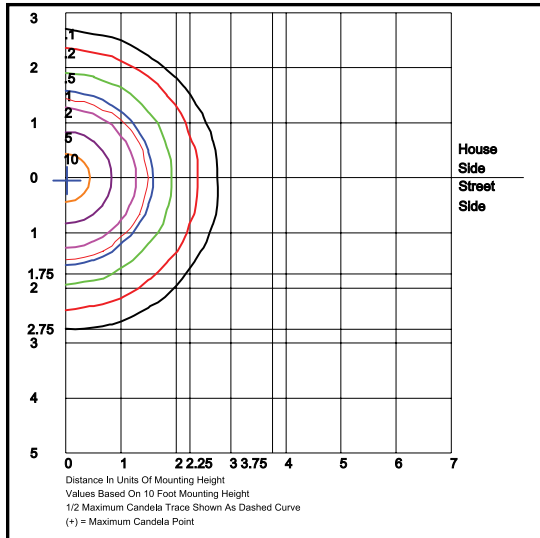
P17117



P17123

Replacement Parts (Order Separately, Field Installed)	
P18103	120-277VAC Photocell
P18110	110-130V 120VAC Pencil Photocell
P18112	208-277V 240VAC Pencil Photocell
P18114	120-277V, 50/60Hz Pencil Photocell
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.	

## PHOTOMETRIC DATA



### WPR250FQF1X25U5K

Type IV  
Grid in MH  
MH=10 Feet

### WPR250FQF1X25U5K

Type IV

## PHOTOMETRIC PERFORMANCE

		Wattage (Catalog Logic)	12W (1X12)	17W (1X17)	25W (1X25)
Input Watts			12.9W	18.1W	27.1W
Optic	CCT	Delivered Lumens			
F = Type V	3000K	1,545	2,163	3,245	
	4000K	1,676	2,347	3,520	
	5000K	1,746	2,444	3,667	
	BUG Rating	B1-U1-G0	B1-U1-G0	B2-U1-G0	

## 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 27w	1.00	0.96	0.92	0.84	187,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.96	0.91	0.82	113,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.94	0.89	0.77	88,000

### NOTES:

- 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.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.