PROlite LED Lighting™
SPEC GRADE

JOB NAME: _____
TYPE: _____
PART #: _____
NOTES: _____

PWPS25HCQ

Excel Square Bulkhead Half Cutoff

The Excel Square Bulkhead is designed to replace HID lighting systemsup to 250w MH or HPS. The half-cutoff frame helps protect the UV-Stabilized Polycarbonate lens and adds a decorative appearance. 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 Half Cutoff 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

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.
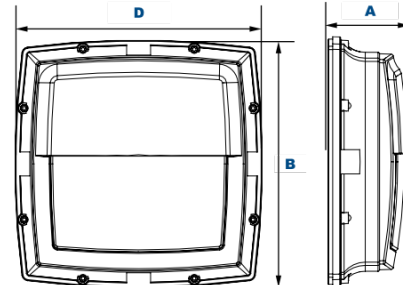
Controls: Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with Controls 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.

Dimensions

Width (D)	12½″ (318mm)
Length (B)	12½″ (318mm)
Height (A)	4¼″ (108mm)

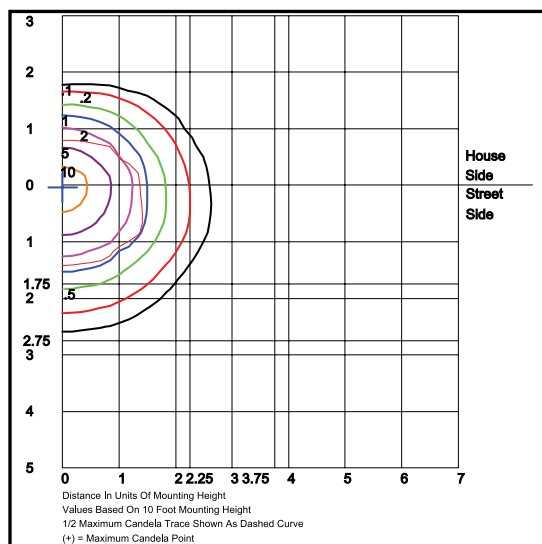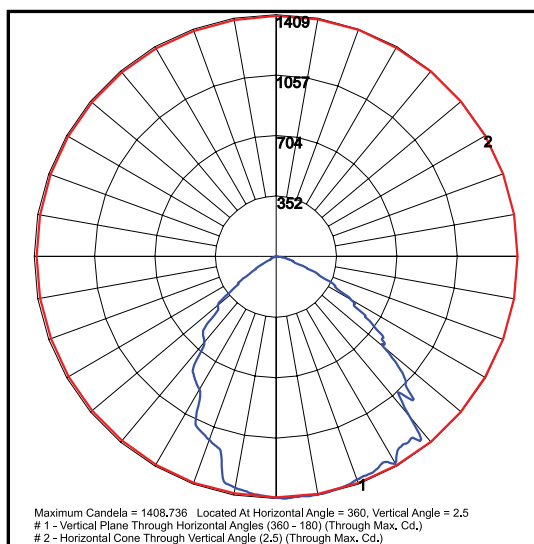| Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
PWPS25HCQ	**F**=Type IV				**L**=SoftLED		
PWPS25HCQ= Excel Square Bulkhead Half Cutoff	**F**=Type IV	**1X12**=12w **1X17**=17w **1X25**=25w	**U**=120-277V **C**=347V* **H**=347-480V♦ *12w & 17w only ♦25w only	**4K**=4000K **5K**=5000K	**L**=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens	**Z**=Bronze **W**=White **C**=Custom (Consult Factory)	**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* *120-277V Models Only.*

07.2025

PROlite LED Lighting™
SPEC GRADE

JOB NAME: _____

TYPE: _____

PART #: _____

NOTES: _____

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 LED Battery Backup Specificatio Sheet.

Photometric Data

House Side
Street Side

Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

PWPS25HCQF1X25U5K Type IV Grid in MH\ MH=10 Feet

Maximum Candela = 1408.736   Located At Horizontal Angle = 360, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (360 – 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

PWPS25HCQF1X25U5K 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	4000K	1,535	2,149	3,223
	5000K	1,599	2,238	3,358
	BUG Rating	B1-U1-G0	B1-U1-G0	B2-U1-G1

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

07.2025