

Perimaliter® Wallpacks

Perimaliter III PVL3 / PGM3 • Perimaliter II PGL



Solutions for Perimeter/Area Lighting



Perimaliter® Wallpacks

The Perimaliter wallpack has been the design leader in refractor wallpacks for the past 20 years. The construction, optical characteristics and quality manufacture make the Hubbell Perimaliter the most desired refractor solution for perimeter/area lighting from a wall mount. Perimaliter III PVL3 and PGM3 features:



Energy-Saving LED

- LED units provide 60-70% energy savings over traditional wallpack systems producing up to 128LPW (lumens per watt)
- PVL3 LED and PGM3 LED uses only 32w (350mA) or 72w (700mA)
- Lateral spread allows typical spacing of three to four times mounting height with excellent uniformity
- PGM Produces over 4100 lumens out of the fixture at nominal 5000K with asymmetric distribution for typical mounting heights of 10-15 feet
- Available in 4000K and 5000K color temperature

Wire Access

- UL required 1.75" minimum back opening for wiring access and inspection
- Side 1/2" hubs for feed thru surface conduit
- Top 1/2" hub for conduit or button photo control

Refractor Selection

- Vandal resistant polycarbonate (PVL)
- Borosilicate glass (PGL)

Perimaliter® III PVL3

Vandal Resistant – High Performance Wallpack

Refractor/Door Assembly

- One-piece injection molded UV stabilized polycarbonate
- Energy-saving LED and HID systems up to 150w
- Sharp prism design – Distributes lumens at exact angles, engineered for spacings up to 6 times mounting height
- Dark Bronze finish is painted on inside of door so projectile impacts will not mar the appearance
- Four point door compression provides seal against moisture and insects, certified for wet locations
- HubbellGard™ fasteners have external coating to prevent chemical interaction in the cast aluminum housing, allows easy service and eliminates screw "Freezing" or "Bonding"
- New improved bottom hinges have been strengthened for durability and years of maintenance-free operation



LED System



A thirty LED light engine produces over 4100 lumens at 5000K with asymmetric distribution. Optional 10KA surge protection available as an option.

Polycarbonate Refractor



One-piece front, impact resistant, sharp prism performance.

Heavy Duty Hinges



NEW – Two-piece hinge design provides increased strength – resists shipping/installation/maintenance damage.

1/2" Conduit Hubs



1/2" tapped hubs with gasketed plug. PVL3 and PGM3 feature two side hubs and one top hub for superior access.



Lighting Distribution

- Vertical HID lamp reduces "Hot spot" beneath fixture and provides more lateral lumens for better uniformity
- Wide lateral spacing allows less fixtures to be installed or provides greater light levels and uniformity from closer mounting locations

Results

- Vertical illumination fills application space, increasing pedestrian perception of safety and security
- Eliminates dark walls and "hiding" places

Certified

- Listed to UL1598 for use in wet locations



Perimaliter® III PGM3

Glass Refractor Wallpack for Wide Spacing Applications

Refractor/Door Assembly

- Borosilicate glass refractor, non-yellowing
- Energy-saving LED and HID systems up to 250w
- Engineered for spacings up to 6 times mounting heights
- Glass is silicone sealed to die-cast aluminum door
- 800 series polyester powder paint provides rugged, lasting appearance; Multiple finish selections available
- Four point door compression closure provides seal against moisture and insects, certified for wet locations
- HubbellGard™ fasteners have external coating to prevent chemical interaction on the cast aluminum housing, allows easy service while eliminating screw "Freezing" or "Bonding"
- Robust bottom hinges for durability and years of maintenance free operation

Button Photo Control Accessory



Top hub makes PBT Photo control installation easy.

Secure Mounting



Two back knockouts 9" on center for rigid installation. 1.75" rear wire access with grommet.

Borosilicate Glass Refractor



Heat resistant, non-yellowing prism design for wide spacing.

Ballast Assembly (HID only)



Identification and electrical data clearly presented on ballast cover inside fixture door. Medium base-up socket provides maximum light output, life and uniformity.

Perimaliter® II PGL

Large application PGL, heavy-duty rugged design. Powered by Pulse-Start for energy savings

The **PGL** family provides higher wattage systems for typical mounting heights of 20-30 feet. This series has many of the same features as the smaller Perimaliter III series and shares the same door and borosilicate glass refractor with the **PGM3**. The housing is nearly 2" deeper to accommodate the higher wattage ballast systems.

Wiring Access

The **PGL** has the same 1/2" wiring hubs on each side but the PBT button photo control hub is located on the left side (as you face the unit).

Optics

All sockets are vertical, mogul base.

Systems

PGL is available in 250w and 350w PSMH



Isolated Ballast Components



PGL Vertical Lamp Optics



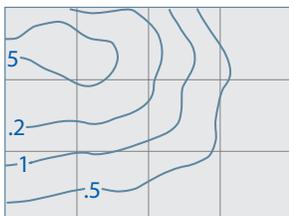
Borosilicate Glass Refractor



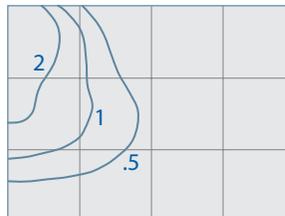
PGL PC/Conduit Hubs



Typical Photometrics – 150 PSMH at 15 feet



Vertical Lamp Perimaliter® – Wide lateral spacings 6 times mounting height for 1 FC minimum between fixtures



Horizontal Lamp Wallpack – Mostly forward throw 4 times mounting height spacing for 1FC minimum between fixtures

Perimaliter® III PVL3



- One-piece removable polycarbonate lens/door assembly, internally painted for lasting appearance
- 6-to-1 spacing to mounting height ratio; Two HubbellGard® fasteners provide weathertight seal to housing
- Die-cast aluminum housing for rugged mounting and heat dissipation; 1/2" feed-thru hubs and top photo control hub provided for field installations; standard mount over recessed wiring boxes
- Specular reflector, vertical lamp and refractor combine for efficient and uniform perimeter lighting
- Energy-saving LED and HID systems
- For HID socket is porcelain medium base with spring-loaded center contact
- Listed to UL 1598 for use in wet locations



Ordering Information

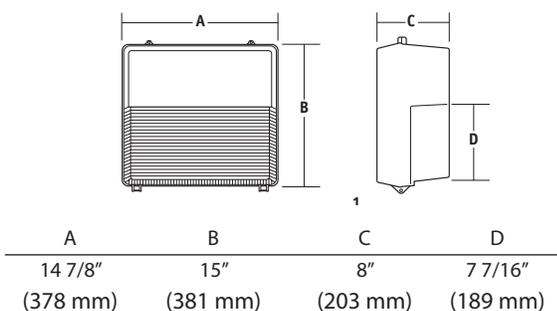
PVL3	-	180L		-		-		-		
FAMILY	# LEDS	CCT	DRIVER OUTPUT	VOLTAGE ¹	FIXTURE COLOR	OPTIONS				
PVL3⁵ Polycarbonate Refractor	180L	3K 3000K, 80 CRI 4K 4000K, 80 CRI 5K 5000K, 80 CRI	BLANK 700mA 035 350mA	U 120V-277V 1 120V 2 208V 3 240V 4 277V 5 480V F 347V	DB⁵ Dark Bronze Textured BL Black Textured WH⁵ White Textured GR Gray Textured PS Platinum Silver Smooth CC Custom Color	F¹ Fusing (voltage determined by voltage field) Single fusing only 120V, 277V or 347V PC Button photocontrol, (Must specify individual voltage) BBU^{1,3} Integral battery for 120 or 277V (Must specify individual voltage) 700mA rated for -20°C to 25°C 350mA rated for -20°C to 35°C SCO⁴ Motion sensor On/Off control, No light output when no motion detected SCP^{2,4} Programmable motion control, factory default is 10% light output	SPECIFY SCP HEIGHT 8F Up to 8ft mount height 20F Up to 20ft mount height			

1 Voltage specific option, designate in voltage field, PC not available in 480V
 2 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, must order minimum of one remote to program dimming settings, 120V or 277V only
 3 BBU available in 120V or 277V only
 4 PC option not applicable, included in sensor
 5 PVL3 only available in Bronze and White fixture colors

PVL3	-		-	1	-		-		-	
SERIES	SOURCE/WATTAGE	BALLAST	VOLTAGE	COLOR/FINISH	OPTIONS					
PVL3 Polycarbonate Refractor Wallpack	PULSE START METAL HALIDE 175P 175w HIGH PRESSURE SODIUM 150S 150w	1 HX-HPF	5 480V 8 120/208/240/277V	DB Bronze WH White	EM Emergency Socket L Lamp included					

Catalog Number	Wattage	Source	Voltage	Ballast	Lamp Included	Weight lbs. (kg)
High Pressure Sodium						
PVL3-150S-18-BZ-L	150	HPS	Quad Tap	AL-HPF	Yes	20 (9.0)
PVL3-150S-51-BZ-L	150	HPS	120NPF	HX-NPF	Yes	7 (3.1)

Dimensions



Accessories - Order Separately

- PBT-1** Photo control, button type, 120V
- PBT-234** Photo control, button type, 208, 240, 277V
- PVL3V** Full cut-off visor, formed aluminum, Bronze finish

Replacement Parts

- 200-0180-9904** Polycarbonate front
- 800-3399-0104** Aluminum/Glass front, Bronze

Perimaliter® III PGM3

- Cast aluminum removable door with borosilicate glass refractor; Twin HubbellGard™ screw closure for positive seal
- Cast aluminum back housing provides firm mounting and heat dissipation; Mounts over recessed wiring boxes; Two 1/2" conduit hubs for feed-thru wiring and top hub for field installation of photo control
- Specular aluminum reflector, vertical lamp and refractor prisms combine for excellent perimeter lighting, provides 5-6 times spacing
- Bronze powder standard paint finish, consult factory for other finishes available
- Listed to UL 1598 for use in wet locations



Ordering Information

PGM3	-	180L		-		-		-	
FAMILY	# LEDS	CCT	DRIVER OUTPUT	VOLTAGE ¹	FIXTURE COLOR	OPTIONS			
PGM3 Glass Refractor	180L	3K 3000K, 80 CRI 4K 4000K, 80 CRI 5K 5000K, 80 CRI	BLANK 700mA 035 350mA	U 120V-277V 1 120V 2 208V 3 240V 4 277V 5 480V F 347V	DB⁵ Dark Bronze Textured BL Black Textured WH⁵ White Textured GR Gray Textured PS Platinum Silver Smooth CC Custom Color	F¹ Fusing (voltage determined by voltage field) Single fusing only 120V, 277V or 347V PC¹ Button photocontrol, (Must specify individual voltage) BBU^{1,3} Integral battery for 120 or 277V (Must specify individual voltage) 700mA rated for -20°C to 25°C 350mA rated for -20°C to 35°C SCO¹ Motion sensor On/Off control, No light output when no motion detected SCP^{2,4} Programmable motion control, factory default is 10% light output			
						SPECIFY SCP HEIGHT			
						8F Up to 8ft mount height	20F Up to 20ft mount height		

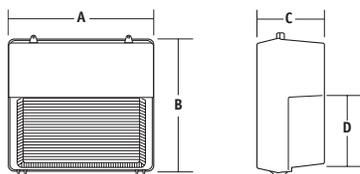
1 Voltage specific option, designate in voltage field, PC not available in 480V
 2 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, must order minimum of one remote to program dimming settings, 120V or 277V only
 3 BBU available in 120V or 277V only
 4 PC option not applicable, included in sensor

PGM3	-		-		-		-	
SERIES	SOURCE/WATTAGE	BALLAST	VOLTAGE	COLOR/FINISH	OPTIONS			
PGM3 Glass Refractor Wallpack	PULSE START METAL HALIDE 175P 175w 250P 250w HIGH PRESSURE SODIUM 150S 150w 250S 250w	1 HX-HPF	5 480V 8 120/208/240/277V	DB Bronze BL Black GR Gray WH White PS Platinum Silver	EM Emergency Socket L Lamp included			

Catalog Number	Wattage	Lamp Type	Voltage	Ballast	Lamp Included	Weight lbs. (kg)
Pulse Start Metal Halide						
PGM3-100P-18-BZ-L	100	PS	Quad Tap	HX-HPF	Yes/Med.	25 (11.3)
PGM3-250P-18-BZ	250	PS	Quad Tap	CWA-HPF	No/Mog.	27 (12.2)
PGM3-250P-18-BZ-L	250	PS	Quad Tap	CWA-HPF	Yes/Mog.	27 (12.2)

Notes: • L - Indicates lamp included with the fixture

Dimensions



A	B	C	D
14 7/8"	15"	8"	6 13/16"
(378 mm)	(381 mm)	(203 mm)	(173 mm)

Accessories - Order Separately

PBT-1	Photo control, button type, 120V
PBT-234	Photo control, button type, 208, 240, 277V
PG-PS¹	Polycarbonate shield for refractor
PG-WG¹	Wire guard for refractor
PVL3V	Full cut off visor, formed aluminum, Bronze finish

¹ - Guard and shield can be used on the same fixture

Replacement Parts

800-3399-0104	Lens door assembly, Bronze
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Perimaliter® II PGL



- Cast aluminum removable door with borosilicate glass refractor; Twin HubbellGard® screw closure for positive seal
- Cast aluminum back housing provides firm mounting and heat dissipation; Mounts over recessed wiring boxes; Two 1/2" conduit hubs for feed-thru wiring and side hub for field installation of photo control
- Specular aluminum reflector, vertical lamp position and refractor prisms combine for excellent perimeter lighting; Provides 5-6 times spacing
- PGL is mogul base 250w max
- Bronze powder standard paint finish, consult factory for other finishes available
- Listed to UL 1598 for use in wet locations



Ordering Information

Catalog Number	Wattage	Lamp Type	Voltage	Ballast	Lamp Included	Weight lbs. (kg)
Pulse Start Metal Halide						
PGL-250P-128-1-LP	250	PS	Quad Tap	CWA-HPF	Yes	30 (13.6)
PGL-350P-128-1	350	PS	Quad Tap	CWA-HPF	No	33 (14.8)
PGL-350P-128-1-LP	350	PS	Quad Tap	CWA-HPF	Yes	33 (14.8)

Accessories - Order Separately

PBT-1	Photo control, button type, 120V
PBT-234	Photo control, button type, 208, 240, 277V
PTA-8	Photo control, external, weather tight, 120, 208, 240, 277V
PG-PS¹	Polycarbonate shield for refractor
PG-WG¹	Wire guard for refractor
PVL3V	Full cut-off visor, formed aluminum, Bronze finish

¹ -Guard and shield can be used on the same fixture

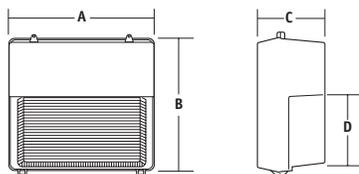
Replacement Parts

800-3399-0104	Lens door assembly, Bronze
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Notes

BZ - Dark Bronze finish is standard; For alternate finish - consult factory for price adder and availability

Dimensions



A	B	C	D
14 7/8"	15"	9 7/8"	6 13/16"
(378 mm)	(381 mm)	(251 mm)	(173 mm)



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