PROlite LED Lighting™

JOB NAME: _____

TYPE: _____

PART #: _____

NOTES: _____

PB1Q and PB2Q

Round & Square EasyLED Bollards

The PB1Q and PB2Q LED Cutoff Bollards with UV-stabilized polycarbonate lenses and sealed optical compartments are designed to replace HID lighting systems up to 70W MH or HPS. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Specifications and Features:
Housing: Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Flat, Dome or Pyramid Tops, Internal Driver Tray for Easy Maintenance.

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

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

Reflector: Reflective White UV-Stabilized Polycarbonate Cone Reflector

Lens: Clear UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens.

Mounting Options:
Mounting Kit with 8” Anchor Bolts, Included.
EasyLED LED: Aluminum Boards

Wattage: Array: 23w, System: 27w; (70w HID Equivalent)

Driver: Electronic Driver, 120-277V, 50/60Hz or 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 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 specific controls a*sk your rep for more information.* 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 -20°C to +40°C Environment.



PB1Q - Round Flat Top (Clear Lens)



PB2Q - Square Flat Top (LumaLens)



PB2CQ - Square Pyramid Top



PB1BQ - Round Dome Top



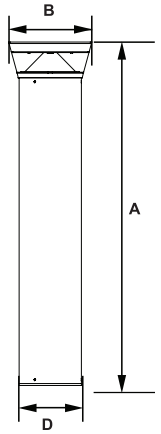
Shown with "S3" Sensor



Shown with GFCI

Dimensions

Width (B)	9¼″ (234mm)
Diameter (D)	7″ (180mm)
Height (A)	**Flat Top:** 35¾″ (908mm) **Dome Top:** 38⅛″ (968mm) **Pyramid Top:** 38⅛″ (968mm)



Order Information:

Model	Optic	Wattage	Driver	CCT	Lens	Color	Height	Options
	F=WBS	**1X23**=23w						
PB1Q=Round Bollard, Flat Top **PB1BQ**=Round Bollard, Dome Top **PB2Q**=Square Bollard, Flat Top **PB2CQ**=Square Bollard, Pyramid Top	**F**=Wide Beam Spread	**1X23**=23w	**U**=120-277V **C**=347V	**3K**=3000K* **4K**=4000K *B2Q model only.	**C**=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens **L**=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens	**Z**=Bronze **B**=Black **C**=Custom (Consult Factory)	**(Leave Blank)**=34¾″ Standard Height **30**=30″ Height	**SF**=Single Fuse (120-277V Only) **DF**=Double Fuse (120-277V Only) **SP**=Surge Protection **GF1**=GFCI Outlet, 15A, 120V **S3**=Internal Microwave Sensor (120-277V Only)

2026.10

Specifications subject to change without prior notice. © 2026 Emergensee Lighting Products, Inc. ALL RIGHTS RESERVED.

PROlite LED Lighting™

JOB NAME: _____

TYPE: _____

PART #: _____

NOTES: _____

Accessories & Replacement Parts:



BOLAN



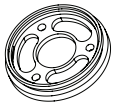
BREBASE*



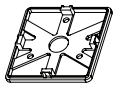
P17122



P17121



BORBASE



BOSBASE



BOADP1

*Shown Mounted

Mounting Accessories (Order Separately, Field Installed)	
BOLAN4	Mounting Kit, Includes Bracket & Three (3) 4″ Anchor Bolts
BOLAN8	Mounting Kit, Includes Bracket & Three (3) 8″ Anchor Bolts
BOLAN12	Mounting Kit, Includes Bracket & Three (3) 12″ Anchor Bolts
BOLAN15	Mounting Kit, Includes Bracket & Three (3) 15″ Anchor Bolts
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPG Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½″ Dia. x 1½″ H

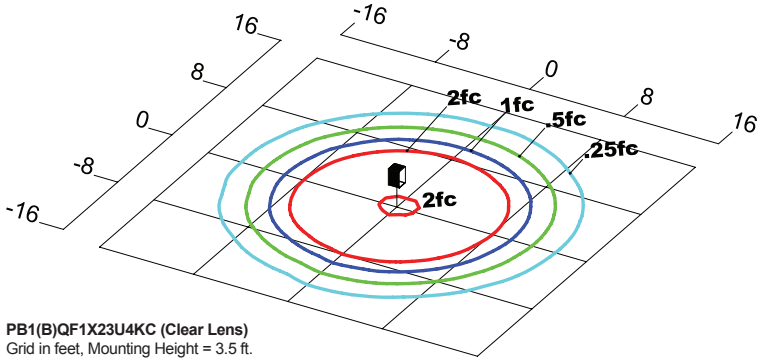
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

Accessories (Order Separately, Field Installed)	
P17122	Remote Programming Tool for P17121

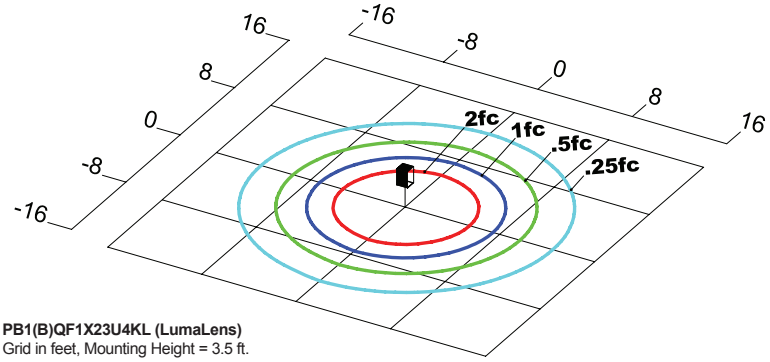
Replacement Parts (Order Separately, Field Installed)	
P17121	Internal Microwave Sensor (120-277V Only)
BORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits B1.
BOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits B2.
BOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits LEPG Round Bollards. Die Cast with Bronze Powdercoat Finish.

*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

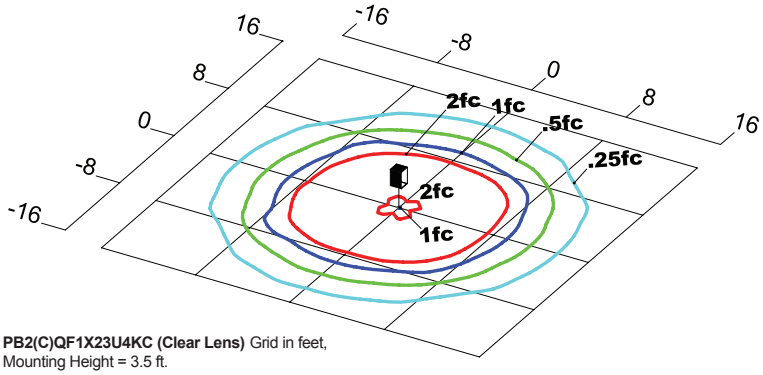
Photometric Data



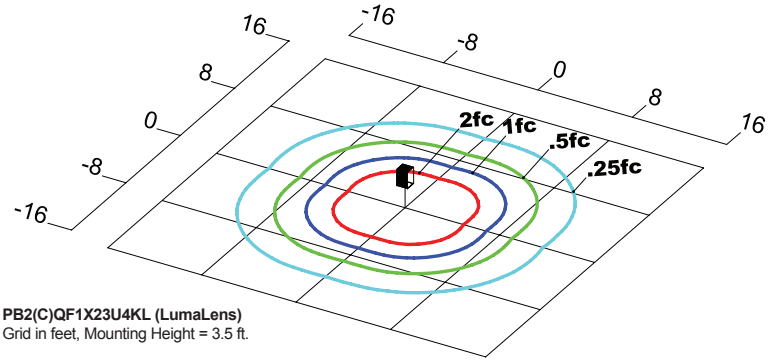
PB1(B)QF1X23U4KC (Clear Lens)
Grid in feet, Mounting Height = 3.5 ft.



PB1(B)QF1X23U4KL (LumaLens)
Grid in feet, Mounting Height = 3.5 ft.



PB2(C)QF1X23U4KC (Clear Lens) Grid in feet,
Mounting Height = 3.5 ft.



PB2(C)QF1X23U4KL (LumaLens)
Grid in feet, Mounting Height = 3.5 ft.

2026.10

Specifications subject to change without prior notice. © 2026 Emergensee Lighting Products, Inc. ALL RIGHTS RESERVED.

PROlite LED Lighting™

JOB NAME: _____

TYPE: _____

PART #: _____

NOTES: _____

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Bollards	4000 CCT 80 CRI					3000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
EasyLED 23w	116	27	B1Q (Clear Lens)	2,093	78	1	3	1	-	-	-	-	-
			B1Q (LumaLens)	1,338	50	1	3	1	-	-	-	-	-
			B2Q (Clear Lens)	2,133	79	1	3	1	1,966	73	1	3	1
			B2Q (LumaLens)	1,287	48	1	3	1	1,187	44	1	3	1

Projected Lumen Maintenance

Data shown for 4000 CCT			Compare to MH			
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L70@ 25°C**
B1 L70 Lumen Maintenance @ 25°C / 77°F	27	1.00	0.93	0.86	0.72	106,000
B2 L70 Lumen Maintenance @ 25°C / 77°F	27	1.00	0.93	0.86	0.72	106,000
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L70@ 50°C**
B1 L70 Lumen Maintenance @ 50°C / 122°F	27	1.00	0.91	0.83	0.66	88,000
B2 L70 Lumen Maintenance @ 50°C / 122°F	27	1.00	0.91	0.83	0.66	88,000
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L80@ 40°C**
B1 L80 Lumen Maintenance @ 40°C / 104°F	27	1.00	0.92	0.84	0.67	61,000
B2 L80 Lumen Maintenance @ 40°C / 104°F	27	1.00	0.92	0.84	0.67	61,000

NOTES:

1. **Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA 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.**

OFFICE: 215-512-8100 | www.emergenseelight.com

Specifications subject to change without prior notice. © 2026 Emergensee Lighting Products, Inc. ALL RIGHTS RESERVED.