



POST TOP, PENDANT, WALL

L70
25°C **327,000 Hours**



BW21Q
EasyLED Brandywine Round Post Top



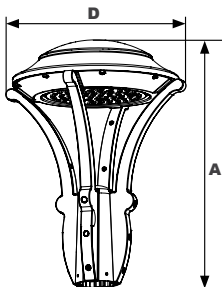
Shown with LumaLens Option



WMWS21Q
EasyLED Brandywine Wall Mount



WMP21Q
EasyLED Brandywine Pendant Mount



Dimensions	
Diameter (D)	21" (534mm)
Height (A)	27 3/4" (705mm)

Pemco's BW21Q Brandywine Architectural Decorative Post Top is available in Type I, II, III, IV or V distributions designed to replace HID lighting systems up to 400w MH or HPS. The fixture mounts to a pole top tenon. Typical area lighting applications include parking areas, walkways, and street lighting applications. Mounting heights of 12 to 30 feet can be used based on light level and uniformity requirements.

Specifications and Features:

Housing:

Die Cast Aluminum Housing, Integral Heat Sinking. Photocell Adaptable.

Listing & Ratings:

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

Finish:

Black 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:

Post Top Accommodates "P3" 2 1/4" O.D. x 3" Tenon, Wall Mount Includes Cast Aluminum Arm (Wall Attachment Hardware NOT Included, Must be Selected and Provided By Contractor), and Pendant Mount Includes 15" Swivel Stem for Mounting on Flat or Sloped Ceilings.

EasyLED LED:

Aluminum Boards

Wattage:

37w Array: 37w, System: 41w; (70-150w HID Equivalent)
 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 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 LEPC 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 4 for Projected Lumen Maintenance Table.








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Order Information Example: BW21QC1X100U4KCBR7

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
BW21Q =EasyLED Brandywine Post Top BWWS21Q =EasyLED Wall Mount Brandywine BWP21Q =EasyLED Pendant Mount Brandywine	A =Type I B =Type II C =Type III D =Type IV F =Type V	1X37 =37w 1X65 =65w 1X100 =100w 1X140 =140w	U =120-277V H =347-480V	3K =3000K* 4K =4000K 5K =5000K *37 and 65w Only	C =Clear UV-Stabilized Polycarbonate Array Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens* *Type V Models Only	B =Black C =Custom (Consult Factory)	P2AB =PSRTN Tenon Adaptor, Black P2AC =PSRTN Tenon Adaptor, Custom Color (Consult Factory) SF =Single Fuse* DF =Double Fuse* SP =Surge Protection R3 =3-Pin Twist Lock Photocell Receptacle R5 =5-Pin Twist Lock Photocell Receptacle R7 =7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle S3 =Microwave Sensor with Dimming for Mounting Heights of 8' to 26'.* BU =Battery Backup, 90 Minutes (Up to 65w Max)* BUC =Cold Start Battery Backup, -20°C, 90 Minutes (Up to 65w Max)* *120-277V Models Only.

Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)	Accessories (Order Separately, Field Installed)	Replacement Parts (Order Separately, Field Installed)
PSRTN* Retrofit Tenon Adaptor, Die Cast with Powdercoat Finish, Hardware Included. Converts a 2 3/4" x 4" Pole Tenon to a 2 3/4" x 3" Tenon. *Specify Color: B=Black, C=Custom (Consult Factory)	P18131 Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum. P18132 Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten. P18140 110-120VAC Instant Twist Lock Photocell P18152 277VAC Time Delay Twist Lock Photocell P18156 120-277VAC Universal Twist Lock Photocell P18157 480VAC Time Delay Twist Lock Photocell. For 480V use only. P17122 Remote Programming Tool for P17121	AF30PCLL SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens PK3415 Pendant Mount Kit Includes Top & Bottom Cover, Brackets, 3/4" Dia X 15" L Downrod, and Hardware. Powdercoat Finish P17121 Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 26'. 120-277VAC, 50/60Hz For Replacement Battery Backup, see the LEPG LED Battery Backup Specification Sheet.
 PSRTN		

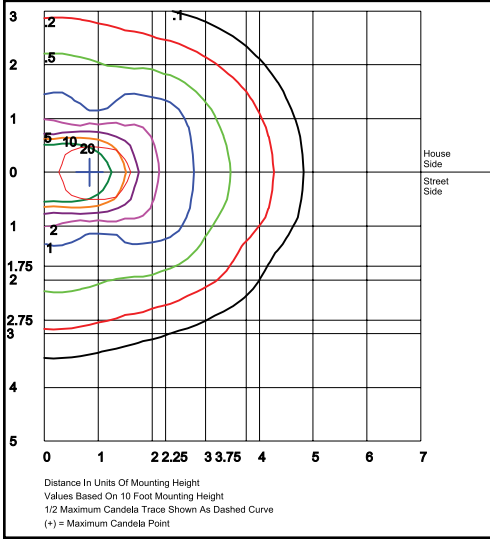
EPA (Effective Projected Area)

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
	1.40	29 Lbs



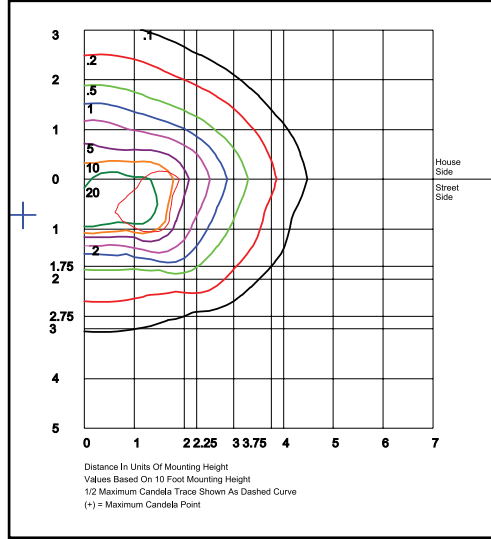
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Photometric Data



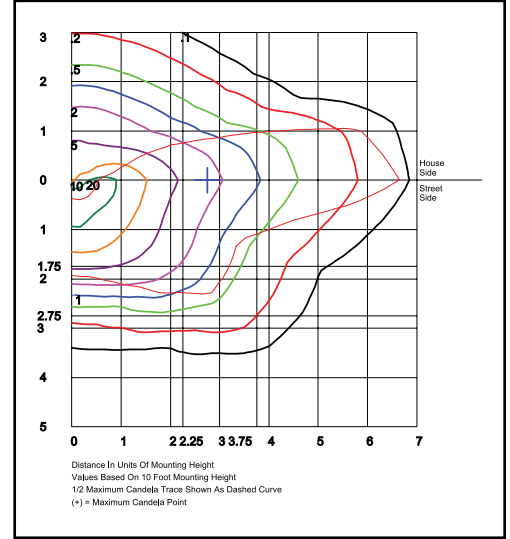
BW21QA1X1405K
Type I

Grid in MH
MH=10 Feet



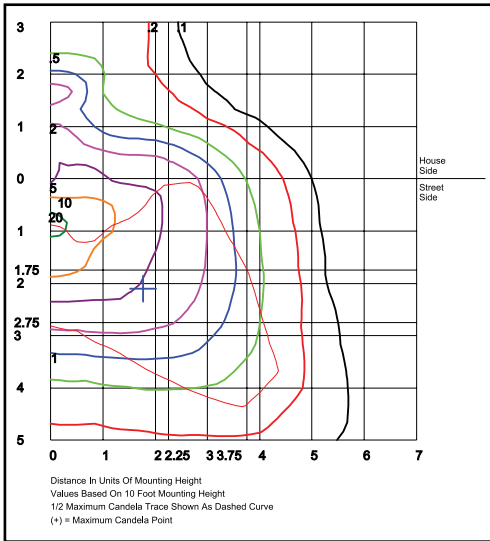
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Type II

Grid in MH
MH=10 Feet



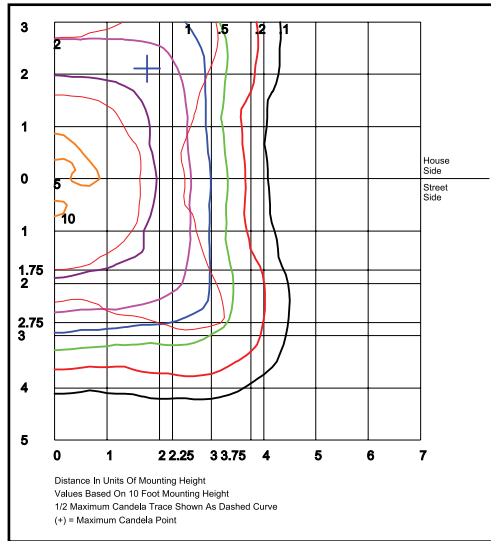
BW21QC1X1405K
Type III

Grid in MH
MH=10 Feet



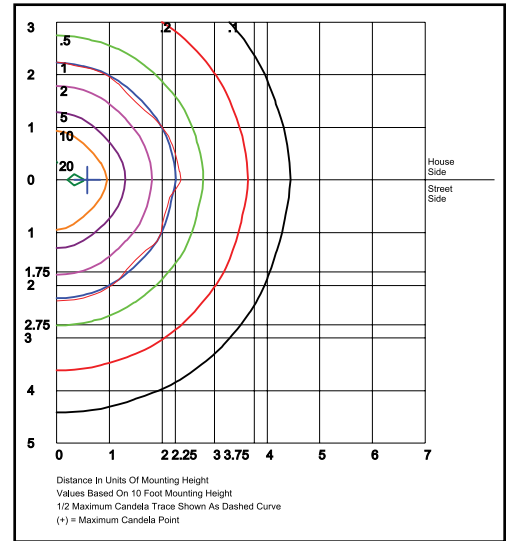
BW21QD1X1405K
Type IV

Grid in MH
MH=10 Feet



BW21QF1X1405K
Type V

Grid in MH
MH=10 Feet



BW21QF1X1405KL
Type V-LumaLens

Grid in MH
MH=10 Feet



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Photometric Performance

Optic	CCT	Wattage (Catalog Logic)	37W (1X37)	65W (1X65)	100W (1X100)	140W (1X140)
		Input Watts	42.2	74.1	114	159.6
		Delivered Lumens				
BW21Q A=Type I	3000K	3,422	6,013	-	-	-
	4000K	3,534	6,207	9,549	13,369	-
	5000K	3,671	6,449	9,922	13,890	-
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	-
BW21Q B=Type II	3000K	3,728	6,549	-	-	-
	4000K	3,849	6,761	10,401	14,562	-
	5000K	3,999	7,024	10,807	15,129	-
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G3	-
BW21Q C=Type III	3000K	3,873	6,804	-	-	-
	4000K	3,999	7,024	10,806	15,128	-
	5000K	4,154	7,298	11,227	15,718	-
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	-
BW21Q D=Type IV	3000K	3,986	7,004	-	-	-
	4000K	4,116	7,230	11,123	15,572	-
	5000K	4,276	7,512	11,556	16,178	-
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	-
BW21Q F=Type V	3000K	4,045	7,106	-	-	-
	4000K	4,176	7,336	11,285	15,799	-
	5000K	4,338	7,621	11,725	16,415	-
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	-
BW21Q F=Type V with LumaLens	3000K	2,604	4,575	-	-	-
	4000K	2,689	4,723	7,266	10,173	-
	5000K	2,793	4,907	7,550	10,569	-
	BUG Rating	B1-U3-G1	B2-U3-G2	B2-U3-G3	B3-U3-G3	-

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 156w	1.00	0.98	0.95	0.91	327,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.94	0.89	0.78	134,000
L80 Lumen Maintenance @ 40°C / 104°F		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.