

PB10Q DuraLED Cape Cod Post Top, Coastal Series

DuraGuard
PRODUCTS INC.
A QSSI Company



Project Name:	Project Information	Fixture Type:
Complete Catalog #:		Date:
Comments:		

The DuraGuard PB10Q Cape Cod Architectural Decorative Post Top is available in Type II, III, IV or V distributions designed to replace HID lighting systems up to 100w 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 8 to 16 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING:

Die Cast Aluminum Housing, Integral Heat Sinking.

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. Gasketed to Seal LED Array. Optional SoftLED Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens Available.

MOUNTING:

Post Top Accommodates "P3" 2 7/8" O.D. x 3" Tenon.

DURALED LED:

Aluminum Boards

WATTAGE:

10w Array: 10w, System: 10.3w; (50w HID Equivalent)
19w Array: 19w, System: 20.5w; (170w HID Equivalent)
28w Array: 28w, System: 30.8w; (100w HID Equivalent)

DRIVER:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz (28w Model Only); 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.

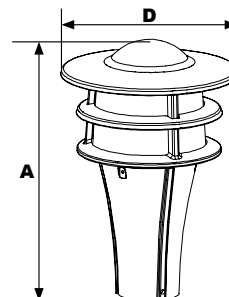
See Page 4 for Projected Lumen Maintenance Table.



PB10Q
DuraLED Cape Cod
Round Post Top With
Clear Lens Optics
Type II, III, IV, & V



PB10Q
DuraLED Cape Cod
Round Post Top With
Opal LumaLens
Type V Only



Dimensions

Diameter (D)	11 1/8" (283mm)
Height (A)	16 1/2" (415mm)



Specifications subject to change without notice.

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Complete Units Ordering Information
Example: **PB10QF1X28U5KCBSP**

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PB10Q

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
PB10Q =DuraLED Cape Cod Post Top	B =Type II C =Type III D =Type IV F =Type V	1X10 =10w 1X19 =19w 1X28 =28w	U =120-277V H =347-480V* *28w Models Only	3K =3000K 4K =4000K 5K =5000K	C =Clear UV-Stabilized Polycarbonate Array Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens*	B =Black C =Custom (Consult Factory)	
<p>*Type V Models Only.</p> <p>P2AB=PSRTN Tenon Adaptor, Black P2AC=PSRTN Tenon Adaptor, Custom Color (Consult Factory) SF=Single Fuse* DF=Double Fuse* SP=Surge Protection PC3=Photocell, 120-277VAC*</p> <p>*120-277V Models Only.</p>							

ACCESSORIES & REPLACEMENT PARTS:

Mounting Accessories (Order Separately, Field Installed)

PSRTN* Retrofit Tenon Adaptor, Die Cast with Powdercoat Finish, Hardware Included. Converts a 2½" x 4" Pole Tenon to a 2½" x 3" Tenon.

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



PSRTN

Replacement Parts (Order Separately, Field Installed)

P18103 120-277VAC Photocell



P18103

EPA (EFFECTIVE PROJECTED AREA)

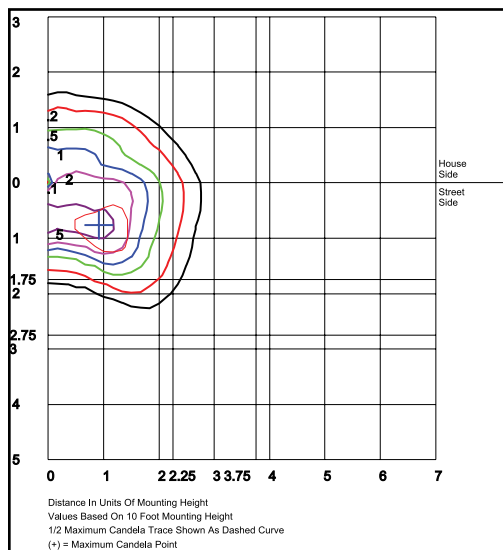
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
	0.8	14 Lbs

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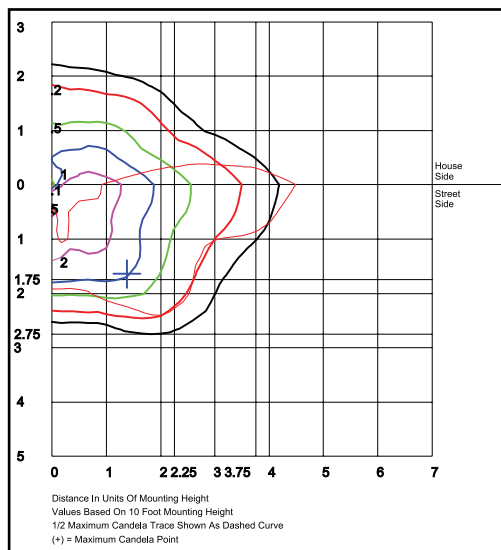


PHOTOMETRIC DATA



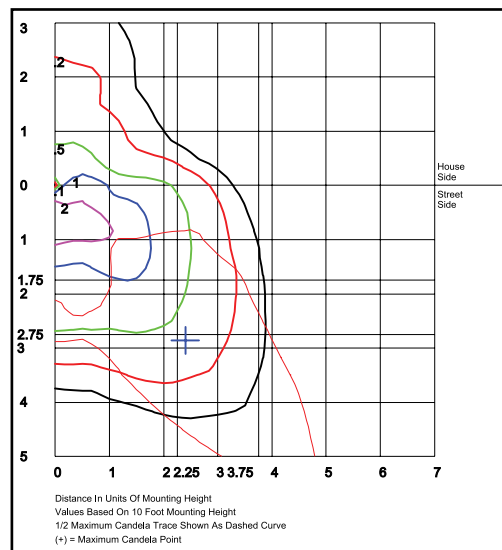
PB10QB1X28U5K
Type II, Clear Lens

Grid in MH
MH=10 Feet



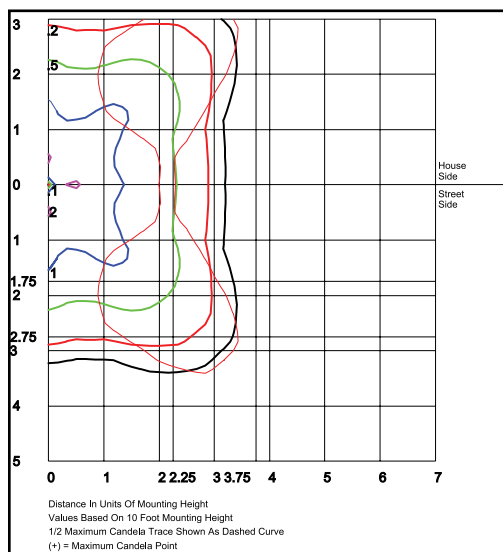
PB10QC1X28U5K
Type III, Clear Lens

Grid in MH
MH=10 Feet



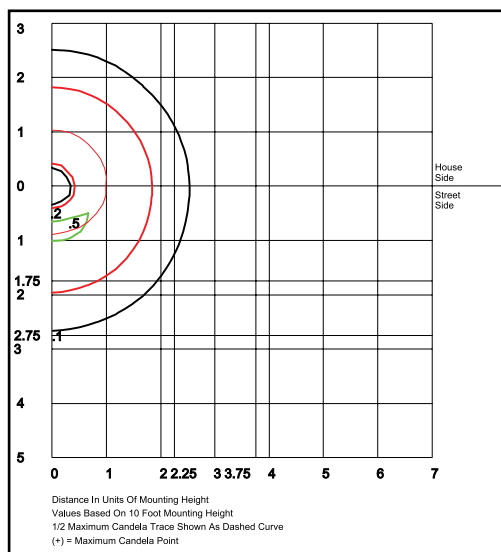
PB10QD1X28U5K
Type IV, Clear Lens

Grid in MH
MH=10 Feet



PB10QF1X28U5K
Type V, Clear Lens

Grid in MH
MH=10 Feet



PB10QF1X28U5KL
Type V, LumaLens

Grid in MH
MH=10 Feet

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PHOTOMETRIC PERFORMANCE

Optic	Wattage (Catalog Logic)	10W (1X10)	19W (1X19)	28W (1X28)
	Input Watts	10.3	20.5	30.8
CCT				
Delivered Lumens				
PB10Q B=Type II with Clear Lens	3000K	750	1,499	2,249
	4000K	774	1,548	2,321
	5000K	804	1,608	2,412
	BUG Rating	B0-U0-G0	B0-U0-G0	B1-U0-G1
PB10Q C=Type III with Clear Lens	3000K	789	1,577	2,365
	4000K	814	1,628	2,441
	5000K	845	1,691	2,536
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G1
PB10Q D=Type IV with Clear Lens	3000K	781	1,561	2,342
	4000K	806	1,611	2,417
	5000K	837	1,674	2,511
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2
PB10Q F=Type V with Clear Lens	3000K	826	1,652	2,478
	4000K	853	1,705	2,558
	5000K	886	1,771	2,657
	BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1
PB10Q F=Type V with Opal LumaLens	3000K	572	1,144	1,560
	4000K	590	1,180	1,610
	5000K	613	1,227	1,672
	BUG Rating	B0-U3-G1	B1-U3-G1	B1-U3-G2

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 31w	1.00	0.93	0.86	0.72	106,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.91	0.83	0.66	88,000
L80 Lumen Maintenance @ 40°C / 104°F		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 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.