

DESCRIPTION

The Breckenridge LED integrates energy saving LED technology with a proven post-top design.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Die-cast aluminum housing with spun and stamped aluminum top. Overcenter latch for relamping and power module access. Top is completely removable without the use of tools. Available in multiple colors (black, bronze, grey or white). ANSI wattage/source label.

Optical

Injection molded acrylic refractor available in symmetric or asymmetric distributions. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI.

Electrical

120-277V 50/60Hz operation standard. 480V and 347V available as options. 10kV /10kA common and differential mode surge protection standard. Thermal management transfers heat rapidly away from the LED source for optimal efficiency and light output. Ambient operating temperature from -40°C to 40°C. Standard three-position tunnel type compression terminal block. 95% lumen maintenance expected at 60,000 hours. Light square is IP66 enclosure rated.

Controls

0-10V dimming driver standard. Photocontrol and After Hours Dim options available. Refer to control options section.

Mounting

Post top mount fits 3" O.D. tenons. Secured by square head 3/8" stainless steel mounting bolts.

Warranty

Five-year warranty.

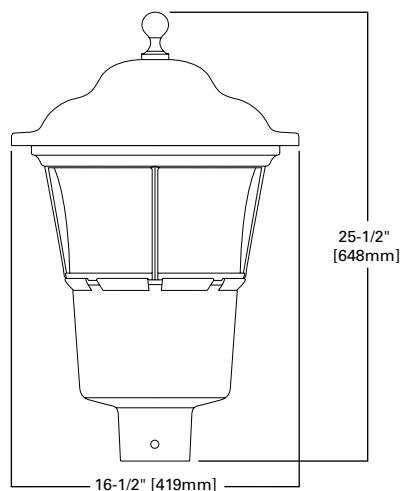


MPB BRECKENRIDGE LED

LED

DECORATIVE POST TOP
LUMINAIRE

DIMENSIONS



EPA

Effective Projected Area:
1.7 Square Feet

SHIPPING DATA

Approximate Net Weight:
34 lbs. (14 kgs.)

CONTROL OPTIONS**Photocontrol** (4 or 4N7)

Optional photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the 4N7 receptacle.

After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

POWER AND LUMENS

Drive Current		600mA	800mA	1A
Nominal Power @ 120-277V (Watts)		34	44	58
Input Current @ 120V (Amps)		0.30	0.39	0.51
Input Current @ 208V (Amps)		0.17	0.22	0.29
Input Current @ 240V (Amps)		0.15	0.19	0.26
Input Current @ 277V (Amps)		0.14	0.17	0.23
Input Current @ 347V (Amps)		0.11	0.15	0.17
Input Current @ 480V (Amps)		0.08	0.11	0.14
Distribution				
SYM	4000K, 5000K, 6000K Lumens	3,357	4,117	5,096
	BUG Rating	B1-U3-G2	B1-U4-G2	B2-U4-G2
	3000K Lumens	3,174	3,893	4,818
	BUG Rating	B1-U3-G2	B1-U4-G2	B2-U4-G2
ASYM	4000K, 5000K, 6000K Lumens	3,004	3,685	4,560
	BUG Rating	B1-U3-G3	B1-U3-G3	B1-U4-G3
	3000K Lumens	2,841	3,483	4,311
	BUG Rating	B1-U3-G3	B1-U3-G3	B1-U4-G3

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 40°C	>95%	416,000

ORDERING INFORMATION

Sample Number: MPB-AF-D-U-SYM-4-AP

Product Family ¹	Light Engine	Driver	Voltage	Distribution	Options (Add as Needed)	Color	Accessories (Order Separately)
MPB=Breckenridge	AF=1A Drive Current	D=Dimming	U=Universal (120-277V) 8=480V 9=347V	SYM=Symmetric ASYM=Asymmetric	7027=70 CRI / 2700K ² 7030=70 CRI / 3000K ² 7050=70 CRI / 5000K ² 7060=70 CRI / 6000K ² 8030=80 CRI / 3000K ² 600=Drive Current Factory Set to 600mA (nominal) 800=Drive Current Factory Set to 800mA (nominal) 4=NEMA Photocontrol Receptacle 4N7=NEMA 7-PIN Photocontrol Receptacle (Internal Mount) ³ AHD145=After Hours Dim, 5 Hours ⁴ AHD245=After Hours Dim, 6 Hours ⁴ AHD255=After Hours Dim, 7 Hours ⁴ AHD355=After Hours Dim, 8 Hours ⁴	AP=Grey BK=Black BZ=Bronze WH=White	OA1223=10kV/10kA UL 1449 Surge Module Replacement OA/RA1013=Photocontrol Shorting Cap OA/RA1014=NEMA Photocontrol - 120V OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V

NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
- Use dedicated IES files for various CCTs and CRIs when performing layouts. These files are published on the Breckenridge LED luminaire product page on the website. Extended lead times apply.
- Total height of photocontrol/node cannot exceed 4.3".
- Requires the use of Photocontrol (4 or 4N7) receptacle. See After Hours Dim supplemental guide for additional information.