

Project		Catalog #		Type	
Prepared by		Notes		Date	



Streetworks

MPB Breckenridge

Decorative Post Top Luminaire

Product Certifications & Features



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Product Specifications

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. 480V and 347V options available.
- 10kV surge protection options with series or parallel configurations
- 0-10V dimming standard
- Ambient operating temperature from -40°C to 40°C
- Standard three-position tunnel type compression terminal block

PHYSICAL CHARACTERISTICS

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

CONTROLS

- 3- and 7-pin photocell receptacle options
- Field Adjustable Dimming Control option for manual adjustment of power consumption and lumen output. Factory preset to highest output level

COMPLIANCE

- UL wet location rated
- Configurations available that meet DLC requirements, submission in progress - visit www.designlights.org to confirm listed variants
- BAA domestic preference option meets BAA requirements

- Products that meet BABA Domestic Preference Requirements - This Cooper product is manufactured in the US and meets the BABA cost of components rule. To verify a configured product with specific accessories and options meets BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Our BABA designation is based on the minimum compliance requirement for BABA. Individual Government Agencies may have more stringent compliance standards.
- Products that meet BABA through Exemption - Allows any product to satisfy BABA requirements regardless of domestic content manufacturing for projects funded by FHWA through Oct 1st 2025. See notes portion in Ordering Information section for more detail.
- Products that meet BABA through BAA Exemption - FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. See notes portion in Ordering Information section for more detail.
- Please refer to the [DOMESTIC PREFERENCES](http://www.cooperlighting.com/legal) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

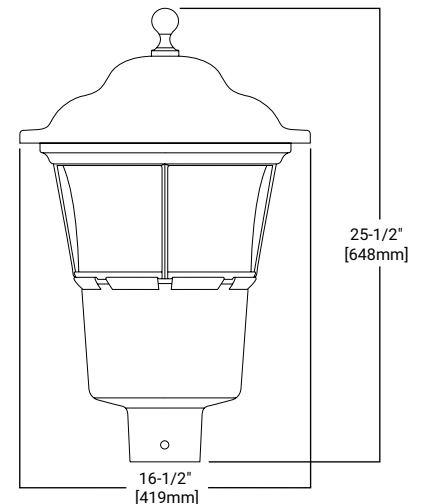
SHIPPING DATA

- Approximate Weight: 34 lbs. (14 kgs.)
- EPA: 1.7 (Sq. ft.)

WARRANTY

- Five-year limited warranty. Consult website for details. www.cooperlighting.com/legal

Dimensional Details



Ordering Information

SAMPLE NUMBER: **MPB-A5-D-U-ASYM-7030-4N7-10MSP-W-BK**

Product Family ¹	Light Engine	Driver	Voltage	Distribution	Options (Add as Needed)	Color	Accessories (Order Separately)
MPB =Breckenridge BAA-MPB =Breckenridge Buy American Act Compliant ⁹ TAA-MPB =Breckenridge Trade Agreements Act Compliant ⁹	A2 A3 A4 A5 A6 A7	D =Dimming 5TLD =Dali ²	U =Universal (120-277V) 9 =347V 8 =480V	SYM =Symmetric ASYM =Asymmetric	7030 =70 CRI / 3000K ³ 7027 =70 CRI / 2700K ³ 4 =NEMA 3-PIN Photocontrol Receptacle (Internal Mount) ⁴ 4N7 =NEMA 7-PIN Photocontrol Receptacle (Internal Mount) ⁴ 10MSP =10kV MOV Surge Protective Device 20MSP =20kV MOV Surge Protections Device 20K =20kV UL 1449 Surge Protection Device W =20' #10 Leads HA =High Ambient AHD145 =After Hours Dim, 5 Hours ⁵ AHD245 =After Hours Dim, 6 Hours ⁵ AHD255 =After Hours Dim, 7 Hours ⁵ AHD355 =After Hours Dim, 8 Hours ⁵ LLPC =Long-Life Photocontrol (Included) NPC =NEMA Photocontrol - Multi-Tap ^{6,7} PSC =Photocontrol Shorting Cap ⁷ HSS =House Side Shield 180 Degree Cutoff AN8 =M2M Antennae (915MHz) ⁸	AP =Grey BK =Black BZ =Bronze WH =White GN =Green	OA/RA1016 =NEMA Photocontrol - Multi-Tap OA/RA1013 =Photocontrol Shorting Cap OA1223 =10kV/10kA UL 1449 Surge Module Replacement MPX-HSS =Field Install House Side Shield 180 Degree Cutoff 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.
- A7 not available with DALI.
- Use dedicated IES files for various CCTs and CRIs when performing layouts. These files are published on the Utility LED Acorn luminaire product page on the website.
- 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.
- Available with universal voltage only.
- A photocontrol receptacle "4" or "4N7" must also be selected.
- For use with third party control systems where M2M is required.
- Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. BABAE designates the product will meet the standards set for FHWA. As noted these projects must receive Government Funding by October 1, 2025. BABAF designates the product will meet the standards set for FHWA and FTA. As noted these projects must receive Government Funding by October 1, 2026. Please refer to the [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements. DarkSky approved when ordered with 3000K or warmer CCT

Energy and Performance Data

Power and Lumens (Symmetric)

Light Engine		A2	A3	A4	A5	A6	A7
Nominal Power (Watts)		18	29	39	51	64	69
Drive Current (mA)		380	620	830	1100	1400	1500
Wattage Label		20	30	40	50	60	70
Input Current @ 120V		0.15	0.24	0.33	0.44	0.55	0.59
Input Current @ 277V		0.07	0.11	0.15	0.2	0.24	0.26
Optics							
SYM	4000K	1,940	3,081	4,026	5,055	6,167	6,504
	BUG Rating	B1-U3-G2	B1-U3-G3	B2-U4-G3	B2-U4-G4	B2-U4-G4	B3-U5-G4
	3000K	1,892	3,004	3,926	4,929	6,014	6,342
	BUG Rating	B1-U3-G2	B1-U3-G3	B2-U4-G3	B2-U4-G4	B2-U4-G4	B2-U5-G4
	2700K	1,801	2,861	3,738	4,694	5,727	6,039
	BUG Rating	B1-U3-G2	B1-U3-G3	B2-U4-G3	B2-U4-G3	B2-U4-G4	B2-U4-G4

Power and Lumens (Asymmetric)

Light Engine		A2	A3	A4	A5	A6	A7
Nominal Power (Watts)		18	29	40	51	64	70
Drive Current (mA)		380	620	830	1100	1400	1500
Wattage Label		20	30	40	50	60	70
Input Current @ 120V		0.15	0.24	0.33	0.44	0.55	0.59
Input Current @ 277V		0.07	0.11	0.15	0.2	0.24	0.26
Optics							
ASYM	4000K	1,926	3,035	3,933	4,902	5,915	6,221
	BUG Rating	B1-U3-G3	B1-U3-G3	B1-U4-G4	B2-U4-G4	B2-U4-G5	B2-U4-G5
	3000K	1,878	2,960	3,835	4,780	5,768	6,066
	BUG Rating	B1-U3-G3	B1-U3-G3	B1-U4-G4	B2-U4-G4	B2-U4-G5	B2-U4-G5
	2700K	1,788	2,818	3,652	4,552	5,493	5,777
	BUG Rating	B1-U3-G3	B1-U3-G3	B1-U4-G3	B1-U4-G4	B2-U4-G4	B2-U4-G5

Lumen Maintenance (TM-21)

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 40°C	> 73%	69,000