

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

CTKR2 Caretaker LED

Dusk-to-Dawn Area Luminaire

Product Features



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Product Certifications

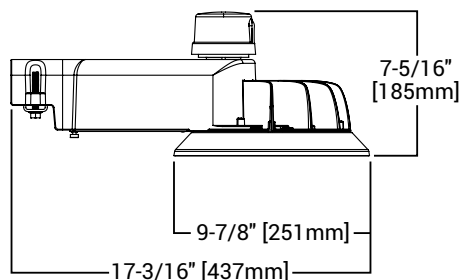


Quick Facts

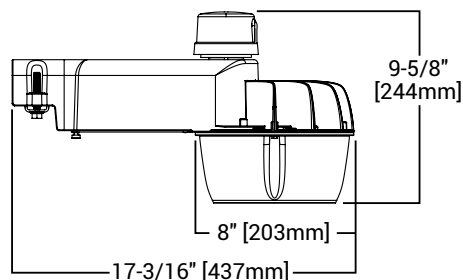
- High output LED delivers up to 9,700 lumens and up to 155 LPW
- Replaces up to 250W equivalent HID
- Universal voltage operation: 120-277V 50/60Hz. Standard 0-10V dimming
- 6kV integral surge protection to protect driver and LED components
- Wall/pole bracket and integral slipfitter for versatility in mounting

Dimensional Details

Full Cutoff (Standard)



Small Acrylic Refractor



Stock Ordering Information

Stock Number	Accessories (Order Separately)
CTKR2V1B =Caretaker 29W, 4500lm, UNV, Dimming, Photocontrol CTKR2V2B =Caretaker 50W, 7100lm, UNV, Dimming, Photocontrol CTKR2V3B =Caretaker 71W, 9700lm, UNV, Dimming, Photocontrol	SR-CARETAKER =Small Acrylic Refractor RMARROA5 =ANSI/NEMA Acrylic Refractor Assembly DS-HSS-CRTK2 =Drop Shield House Side Shield OA/RA1013 =Shorting Cap

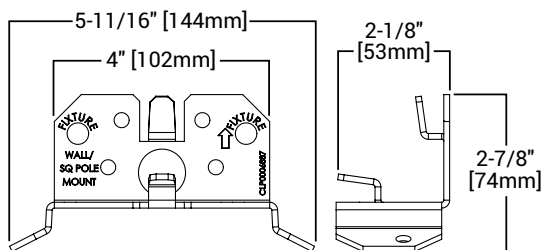
Ordering Information

Product Family	Light Engine	Driver	Voltage	Distribution	Accessories
CTKR2 =Caretaker BAA-CTKR2 =Caretaker, Buy American Act Compliant ¹ TAA-CTKR2 =Caretaker, Trade Agreements Act Compliant ¹	1B =29W, 4,900 lm 2B =50W, 7,100 lm 3B =71W, 9,700 lm	D =Dimming (0-10V)	UNV =Universal (120-277V)	T2 =Type II T3 =Type III	SR-CARETAKER =Small Acrylic Refractor RMARROA5 =ANSI/NEMA Acrylic Refractor Assembly DS-HSS-CRTK2 =Drop Shield House Side Shield OA/RA1013 =Shorting Cap

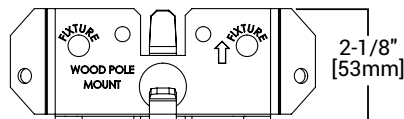
NOTES:
 1. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Mounting Details

Wall Mount / Square Pole Mount



Pole Mount



Product Specifications

Construction

- Single heavy-duty die-cast aluminum housing
- Access via stamped aluminum door for ease of installation and maintenance.
- Corrosion resistant hardware. Spun aluminum shield for full cutoff.

Optics

- Precision molded optics are designed to shape the distribution, maximize efficiency, and application coverage.
- Available in three lumen packages with standard 4000K CCT with a minimum 70 CRI.
- The Type V round symmetric distribution creates a consistent, even distribution replacing up to 250W metal halide.

Electrical

- Standard universal voltage and 0-10V dimming with integrated 6kV surge protection.
- NEMA 3-PIN photocontrol receptacle and twist-lock photocontrol for dusk-to-dawn operation.
- Caretaker for efficient thermal management for optimal light output and life.
- Lumen maintenance of 90% at 60,000 hours.

Mounting

- The Caretaker luminaire is supplied with a universal mounting bracket for either wall or wood pole mounting and an integral two-bolt slipfitter for mounting on 1-1/4" to 2" standard pipe (1-5/8" to 2-3/8" O.D.).

Energy Data

- Electronic LED Driver
- > 0.9 Power Factor
 - < 20% Total Harmonic Distortion
 - 120-277V, 50/60Hz
 - -40°C Minimum Ambient Temperature Rating
 - +40°C Maximum Ambient Temperature Rating

Finish

- Standard natural aluminum finish.

Shipping Data & EPA

- Approximate Net Weight: 7 lbs. (3.2 kgs.)
- Effective Projected Area: (Sq. Ft.)
- Full Cutoff: 0.52
- Small Acrylic Refractor: 0.58

Compliance

- IP66 rated

Warranty

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

Energy and Performance Data

 [View CTKR2 Caretaker LED IES files](#)

Power and Lumens

Light Engine		1B	2B	3B
Power (Watts)		29W	50W	71W
Input Current @ 120V (A)		0.25	0.42	0.60
Input Current @ 277V (A)		0.11	0.17	0.26
Standard	Lumens	4,515	7,110	9,741
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2
Small Acrylic Refractor	Lumens	4,435	6,983	9,567
	BUG Rating	B3-U3-G2	B3-U3-G2	B4-U3-G3

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
CTKRV1B, CTKRV2B		
25°C	90.72%	>220,000
40°C	90.72%	>220,000
CTKRV3B		
25°C	90.72%	>220,000
40°C	87.70%	>162,000