

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

CTKR2 Caretaker LED

Dusk-to-Dawn Area Luminaire

Product Features



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 2](#)
- Product Specifications [page 2](#)
- Energy and Performance Data [page 3](#)

Product Certifications

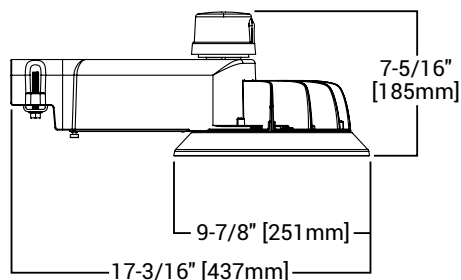


Quick Facts

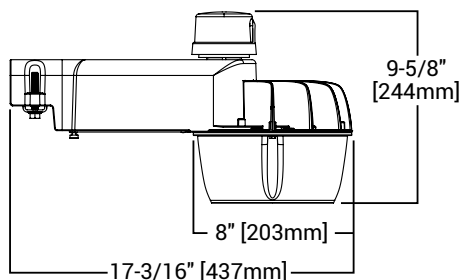
- High output LED delivers up to 9,700 lumens and up to 155 LPW
- Replaces up to 250W equivalent HID
- Universal voltage operation: 120-277V 50/60Hz. Standard 0-10V dimming
- 6kV integral surge protection to protect driver and LED components
- Wall/pole bracket and integral slipfitter for versatility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

Dimensional Details

Full Cutoff (Standard)



Small Acrylic Refractor

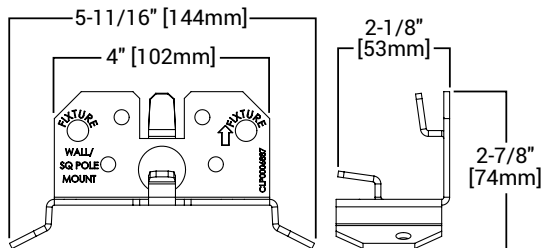


Ordering Information

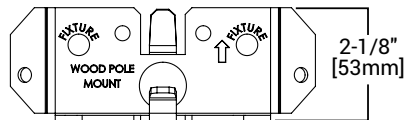
Stock Number	Accessories (Order Separately)
<p>CTKRV1B=Caretaker 29W, 4500lm, UNV, Dimming, Photocontrol CTKRV2B=Caretaker 50W, 7100lm, UNV, Dimming, Photocontrol CTKRV3B=Caretaker 71W, 9700lm, UNV, Dimming, Photocontrol</p>	<p>SR-CARETAKER=Small Acrylic Refractor RMARROA5=ANSI/NEMA Acrylic Refractor Assembly DS-HSS-CRTK2=Drop Shield House Side Shield OA/RA1013=Shorting Cap</p>

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. Optic is IP66 rated.

Electrical

LED driver is standard universal voltage and 0-10V dimming with integrated 6kV surge protection. A NEMA 3-PIN photocontrol receptacle and twist-lock photocontrol for dusk-to-dawn operation are provided

standard. The Caretaker is designed for efficient thermal management; heat is transferred away from the LEDs for optimal efficiency, 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

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