

Project		Catalog #		Type	
Prepared by		Notes		Date	



# Lumark

## CTKR2 Caretaker LED

Dusk-to-Dawn Area Luminaire

### Product Features



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### Product Certifications

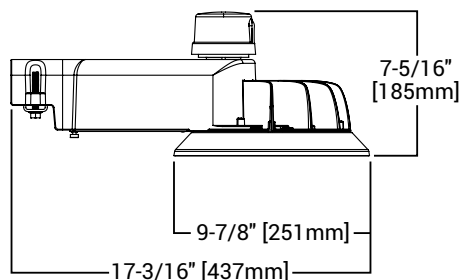


### Quick Facts

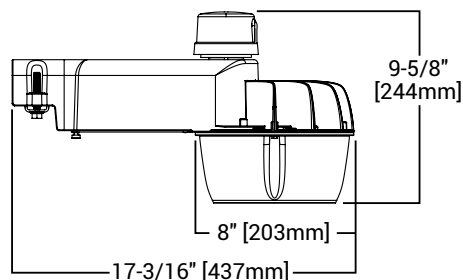
- High output LED delivers up to 9,700 lumens and up to 155 LPW
- Replaces up to 250W equivalent HID
- Universal voltage operation: 120-277V 50/60Hz. Standard 0-10V dimming
- 6kV integral surge protection to protect driver and LED components
- Wall/pole bracket and integral slipfitter for versatility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

### Dimensional Details

Full Cutoff (Standard)



Small Acrylic Refractor



### Stock Ordering Information

Stock Number	Accessories (Order Separately)
<b>CTKR1B</b> =Caretaker 29W, 4500lm, UNV, Dimming, Photocontrol <b>CTKR2B</b> =Caretaker 50W, 7100lm, UNV, Dimming, Photocontrol <b>CTKR3B</b> =Caretaker 71W, 9700lm, UNV, Dimming, Photocontrol	<b>SR-CARETAKER</b> =Small Acrylic Refractor <b>RMARROA5</b> =ANSI/NEMA Acrylic Refractor Assembly <b>DS-HSS-CRTK2</b> =Drop Shield House Side Shield <b>OA/RA1013</b> =Shorting Cap

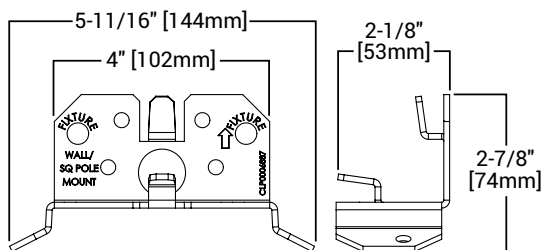
### Ordering Information

Product Family	Light Engine	Driver	Voltage	Distribution	Accessories
<b>CTKR2</b> =Caretaker <b>BAA-CTKR2</b> =Caretaker, Buy American Act Compliant <sup>1</sup> <b>TAA-CTKR2</b> =Caretaker, Trade Agreements Act Compliant <sup>1</sup>	<b>1B</b> =29W, 4,900 lm <b>2B</b> =50W, 7,100 lm <b>3B</b> =71W, 9,700 lm	<b>D</b> =Dimming (0-10V)	<b>UNV</b> =Universal (120-277V)	<b>T2</b> =Type II <b>T3</b> =Type III <b>T5R</b> =Type V Round	<b>SR-CARETAKER</b> =Small Acrylic Refractor <b>RMARROA5</b> =ANSI/NEMA Acrylic Refractor Assembly <b>DS-HSS-CRTK2</b> =Drop Shield House Side Shield <b>OA/RA1013</b> =Shorting Cap

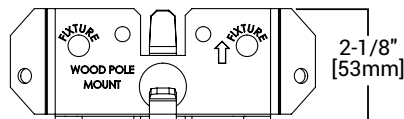
**NOTES:**  
 1. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may 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](http://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)
<b>CTKRV1B, CTKRV2B</b>		
25°C	90.72%	>220,000
40°C	90.72%	>220,000
<b>CTKRV3B</b>		
25°C	90.72%	>220,000
40°C	87.70%	>162,000