Project	Catalog #	Туре	
Prepared by	Notes	Date	



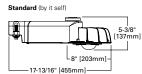
### 🖌 Interactive Menu

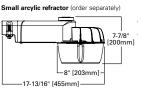
- Ordering Information page 2
- Product Specifications page 2
- Energy and Performance Data page 3
- Control Options page 6

### **Quick Facts**

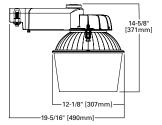
- Up to 154 lumens per watt
- Three optical distributions (T2, T3, and T5R)
- Seven lumen packages, 3,209 12,194 delivered lumens
- Offered in 2700K, 3000K, 4000K and 5000K CCTs
- Optional shields and lenses available

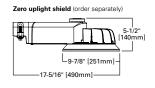
### **Dimensional Details**



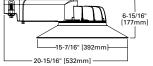


ANSI / NEMA refractor (order separately)

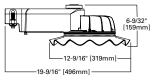




Hillbrook Decorative Shield (order separately)



Fluted Decorative Shield (order separately)





# **Streetworks**

## **CRTK2 Caretaker LED**

Dusk-to-Dawn Area/Roadway Luminaire

### **Product Features**



### **Product Certifications**



### Connected Systems

- WaveLinx
- Telensa

## **CRTK2 CARETAKER LED**

### **Ordering Information**

### SAMPLE ORDER NUMBER:

Product Family		Light Engine	Driver	Voltage	Distribution
AA-CRTK2=Caretaker, Buy merican Act Compliant <sup>9</sup> AA-CRTK2=Caretaker, Trade greements Act Compliant <sup>9</sup> C015=1 LED, Appro C015=1 LED, Appro C015=1 LED, Appro C015=1 LED, Full Ou C01H=1 LED, High I				<b>U=</b> Universal (120-277V)	T2=Type II T3=Type III T5R=Type V Round
<b>Options</b> (Add as S	Suffix)	Controls		Color	Accessories (Order Separately)
7030=70 CRI / 3000K 7050=70 CRI / 5000K 8027=80 CRI / 5000K 8027=80 CRI / 2700K SR=Small Acrylic Refractor (Factory I TSR=Tool-less Small Acrylic Refractor (Factory Installed) U0=Zero Uplight Shield <sup>1,13</sup> TH=Tool-less Door Hardware 4N7= NEMA 7-PIN Photocontrol Rece S=Shorting Cap 10K=10kV UL 1449 Surge Protection 20K=20kV 00V Surge Protection 20S=20kV MOV Pole Pipe Arm <sup>16</sup> B24=24" Wood Pole Pipe Arm <sup>16</sup> B24=24" Wood Pole Pipe Arm <sup>16</sup> B20=30" Hontocontrol Included LIPC=Long-Ife Photocontrol Included LIPC=Long-Ife Photocontrol Transportatis Specific Details <sup>10</sup> UXXXX=Department of Transportatis	eptacle Device Device Device Device s t 5 5	WLS2XX=WaveLinx Occupancy Sensor v 7,6,18 WLS4XX=WaveLinx Occupancy Sensor v 7,8,18 FADC=Field Adjustable Dimming Contro	vith Bluetooth, 15-40ft	A=Raw Aluminum AP=Grey	RMARROA5=ANSI/NEMA Standard Refractor Assembly SR-CARETAKER=Small Acrylic Refractor U0-XX=Zero Uplight Shield <sup>3</sup> LLPC=Long-life Photocontrol LLPC-F0=Long-life Photocontrol (Fail Off) HSS-CRTK2=Field Install House Side Shield <sup>4</sup> DS-HSS-CRTK2=Field Install House Side Shield 0A1226=10kV Surge Module Replacement OA/RA1013=Shorting Cap VGS-F/B=Vertical Glare Shield, Front/Back VGS-SIDE=Vertical Glare Shield, Side FS-XX=Fluted Decorative Shield <sup>3</sup> HB-XX=Hillbrook Bell Decorative Shield <sup>3</sup> TSR-CARETAKER=Tool-less Small Acrylic Refractor B18PK=18" Wood Pole Pipe Arm B30PK=30" Wood Pole Pipe Arm
nents shipped separately may be separately a 10. Customer specific specifications utilizes	options. ptacle option. ETO required. , BZ, or BK). signated prefixes are built to analyzed under domestic pre standard products with sma response control options inc ith 3000K and warmer CCTs. ock is replaced with servicea	be compliant with the Buy American Act of 1933 (BA ference requirements. II adjustments to meet unique requirements such as luding SLTD DALI driver. Control leads are used with ble connectors.	s packaging, labels, wattage adju		r to DOMESTIC PREFERENCES website for more information. Comp

B18, B24, and B30 are not available with PackWise packaging.
Cannot be used with PR7 or other motion response control options.

Control system is not available with photocontrol receptacles (PR , PR7) or other controls systems (FADC, SPBx).

### Product Features

#### Construction

The product features a robust die-cast aluminum housing that ensures durability and longevity. The stamped aluminum door can be easily accessed through a single captive screw, which offers tool-less access for hassle-free maintenance and installation. Additionally, the hardware used is corrosion-resistant, making it suitable for use in harsh environments.

#### Optical

Precision molded optics are specifically designed to optimize the distribution of light, increase efficiency, and provide maximum coverage in T2, T3, and T5R distributions. These optics are available in seven different lumen packages at 4000K CCT, with a standard minimum of 70CRI. Additionally, there are optional packages available at 3000K / 70CRI, 5000K / 70CRI, and 2700K / 80CRI. The optics are fully compatible with both SR Acrylic refractor and ANSI/ NEMA Standard refractor assembly. To control spill light, users can install an optional house side shield over the T2 or T3 optic, or use a drop shield house side shield in conjunction with the T5R or SR options. For luminaires that require zero uplight compliance, the U0 option provides a full cutoff with a spun aluminum shield.

#### Electrical

The luminaire comes with a standard universal voltage LED driver with 0-10V control having an integrated 6kV surge protection. A DALI compatible driver option is also available. For even greater protection against electrical surges, parallel or series protection levels of 10kV or 20kV options are offered. The luminaire also includes a three-position tunnel-type compression terminal block when the leads option is not selected. A NEMA 3-pin receptacle comes standard. The fixture's design ensures efficient heat dissipation, which helps to maximize its efficiency, light output, and lifespan. The calculated lumen maintenance is over 85% at 60,000 hours. Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected.

#### Mounting

This luminaire has been specifically designed to fit pipe-arms with an outer diameter ranging from 1-5/8' to 2-3/8'. However, if you need to mount the luminaire to a wood pole, square pole, or wall without a pipe-arm, a bracket is also available.

#### Finish

The luminaire comes in unfinished raw aluminum as standard. However, an optional five-stage super TGIC polyester powder coat paint is available, which provides superior protection against fade and wear with a 2.5-mil nominal thickness. For those who require even greater protection in coastal construction environments, a Coastal Construction option is also available.

#### Warranty

Standard five-year warranty.

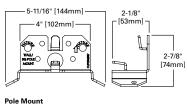


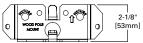
## **CRTK2 CARETAKER LED**

### **Mounting Details**

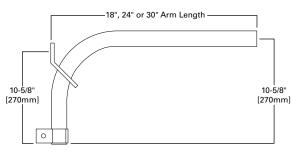
### **Optional Wall/Pole Mounting Bracket**

### Wall Mount / Square Pole Mount





#### **Optional Wood Pole Pipe Arm**



### **Energy and Performance Data**

### Lumen Maintenance

Light Engine	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours*	L70*
C013	25°C	96.01%	92.36%	90.94%	85.47%	> 110,000
013	40°C	95.78%	91.89%	90.38%	84.58%	> 110,000
C015	25°C	96.01%	92.36%	90.94%	85.47%	> 110,000
015	40°C	95.78%	91.89%	90.38%	84.58%	> 110,000
C016	25°C	96.01%	92.36%	90.94%	85.47%	> 110,000
016	40°C	95.78%	91.89%	90.38%	84.58%	> 110,000
C018	25°C	96.01%	92.36%	90.94%	85.47%	> 110,000
018	40°C	95.78%	91.89%	90.38%	84.58%	> 110,000
C01	25°C	96.01%	92.36%	90.94%	85.47%	> 110,000
CUI	40°C	95.78%	91.89%	90.38%	84.58%	> 110,000
C01H	25°C	96.01%	92.36%	90.94%	85.47%	> 110,000
COIH	40°C	95.78%	91.89%	90.38%	84.58%	> 110,000
C01HO	25°C	93.12%	87.65%	85.55%	77.66%	> 66,000
COTHO	40°C	92.34%	86.19%	83.84%	75.09%	> 66,000

Note: \*Calculations provided in accordance with IES TM-21-11 using the configuration resulting in highest LED temperature. Previous versions of IES TM-21 where theoretical calculations were used are no longer recommended as a proxy of lumen depreciation.

#### **LED Color Multipliers**

	LED							
		сст						
	2200	2700	3000	3500	4000	5000		
CRI	Lumen Multiplier							
70			0.971		1.00	1.012		
80		0.878						

### Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99

View CRTK2 Caretaker LED IES files

### FADC Settings

FADC Postion	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: +/-5% typical value



### **Energy and Performance Data**

Power and Lumens (UNV) (70CRI - 4000K)

Light Eng	ine	C013	C015	C016	C018	C01	C01H	C01HO
Power(Wa	atts)	20	30	42	50	61.0	70	79
Wattage I	Label	20	30	40	50	60	70	80
Input Current @ 120V (A)		0.17	0.25	0.35	0.42	0.51	0.60	0.66
Input Current @ 277V (A)		0.07	0.11	0.15	0.18	0.25	0.28	0.29
Optics								
	Lumens	3,011	4,413	5,895	6,877	8,680	9,726	11,442
T2	BUG Rating	B1-U2-G1	B1-U3-G1	B1-U3-G2	B1-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G3
	Lumens per Watt	148	148	142	136	142	139	145
	Lumens	2,907	4,261	5,691	6,679	8,380	9,390	11,047
T2-U0	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U3-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	Lumens per Watt	143	143	137	133	137	134	140
	Lumens	3,052	4,473	5,975	6,971	8,798	9,858	11,598
ТЗ	BUG Rating	B1-U2-G1	B1-U3-G1	B1-U3-G2	B1-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G2
	Lumens per Watt	150	150	144	138	144	140	147
	Lumens	2,941	4,310	5,758	6,717	8,478	9,500	11,176
T3-U0	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2
	Lumens per Watt	144	144	138	133	139	135	141
	Lumens	3,209	4,703	6,283	7,329	9,251	10,366	12,194
T5R	BUG Rating	B2-U2-G1	B3-U2-G1	B3-U3-G1	B3-U3-G2	B3-U3-G2	B4-U3-G2	B4-U3-G2
	Lumens per Watt	157	157	151	145	152	148	154
	Lumens	3,167	4,642	6,200	7,233	9,130	10,230	12,035
T5R-U0	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	155	155	149	144	150	146	152
	Lumens	3,162	4,634	6,191	7,222	9,115	10,214	12,016
T5R-SR	BUG Rating	B2-U3-G1	B3-U3-G2	B3-U3-G2	B3-U3-G2	B3-U3-G3	B4-U3-G3	B4-U3-G3
	Lumens per Watt	155	155	149	143	149	145	152



### **Energy and Performance Data**

Power and Lumens (DALI) (70CRI - 4000K)

Light Eng	ine	C013	C015	C016	C018	C01	C01H	C01HO
Power(Watts)		23	33	43	54	60	75	
Wattage Label		20	30	40	50	60	80	N/A
Input Current @ 120V (A)		0.19	0.27	0.36	0.45	0.50	0.62	
Input Cur	rent @ 277V (A)	0.08	0.12	0.15	0.19	0.22	0.27	
Optics	ptics							
	Lumens	3,558	4,905	6,193	7,942	8,674	10,068	
T2	BUG Rating	B1-U2-G1	B1-U3-G2	B1-U3-G2	B2-U3-G2	B2-U3-G2	B2-U3-G2	
	Lumens per Watt	153	150	145	148	145	134	
	Lumens	3,435	4,736	5,979	7,668	8,374	9,720	
T2-U0	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	
	Lumens per Watt	148	145	140	143	140	130	
	Lumens	3,606	4,972	6,277	8,050	8,792	10,205	-
Т3	BUG Rating	B1-U2-G1	B1-U3-G1	B1-U3-G2	B1-U3-G2	B2-U3-G2	B2-U3-G2	
	Lumens per Watt	155	152	147	150	147	136	
	Lumens	3,475	4,791	6,049	7,757	8,472	9,834	
T3-U0	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	N/A
	Lumens per Watt	150	147	141	144	141	131	
	Lumens	3,792	5,228	6,600	8,464	9,244	10,730	
T5R	BUG Rating	B2-U2-G1	B3-U2-G1	B3-U3-G1	B3-U3-G2	B3-U3-G2	B4-U3-G2	
	Lumens per Watt	163	160	154	158	154	143	1
	Lumens	3,742	5,159	6,514	8,353	9,123	10,590	
T5R-U0	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	-
	Lumens per Watt	161	158	152	156	152	141	
	Lumens	3,736	5,151	6,504	8,340	9,109	10,573	
T5R-SR	BUG Rating	B2-U3-G2	B3-U3-G2	B3-U3-G2	B3-U3-G2	B3-U3-G3	B4-U3-G3	
	Lumens per Watt	161	158	152	155	152	141	





## **CRTK2 CARETAKER LED**

### **Control Options**

### 0-10V (D)

This fixture is offered standard with 0-10V dimming driver(s). The dimming option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

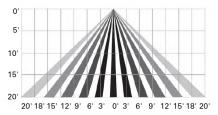
#### Photocontrol (4N7)

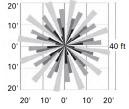
Photocontrol receptacles provide a flexible solution to enable dusk-to-dawn lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the 4N7 receptacle.

#### WaveLinx Wireless Control and Monitoring System

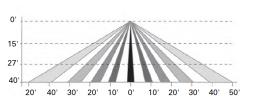
Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and are factory installed. Sensvors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required.

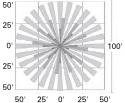
### For mounting heights up to 15' (WLS2)





For mounting heights up to 40' (WLS4)







Cooper Lighting Solutions 1121 Highway 74 South Peachtree City, GA 30269 P: 770-486-4800 www.cooperlighting.com © 2024 Cooper Lighting Solutions All Rights Reserved. Specifications and dimensions subject to change without notice.