

DESCRIPTION

The Caretaker LED roadway luminaire combines high performance, low maintenance and easy installation in a simple, extremely economical package. Designed for years of worry-free operation, the Caretaker luminaire is ideal for municipal streetlighting retrofits requiring superior optical performance and fast payback on capital.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction

Cast-aluminum housing and door. Access is via a single captive screw; tool-less access option available. Hinged removable power tray door for easy maintenance.

Optical

Injection-molded optics available in two full-cutoff distributions with wide, uniform light delivery. Fully compatible with standard NEMA refractor/reflector assemblies. 4000K CCT, minimum 70 CRI standard.

Electrical

LED driver mounted to removable die-cast aluminum door. Standard driver is non-dimming, 120V only, optional dimming driver is 120-277V. Both drivers have 6kV onboard surge protection. 10kV/10kA surge protection options (meeting IEEE C62.41.2-2002 Location category C, High Exposure) are available. Luminaire is designed for efficient thermal management; heat is transferred away from the LEDs for optimal efficiency, light output, and life. Three-position tunnel-type compression terminal block. Lumen maintenance of 86% at 36,000 hours for 8-LED version. LED module is IP66 enclosure rated.

Mounting

Two-bolt slipfitter for mounting on 1-1/4" to 2" standard pipe (1-5/8" to 2-3/8" O.D.). Also available with a bracket for mounting to wood poles or walls without a pipe.

Finish

Unfinished raw aluminum standard. Optional five-stage super TGIC polyester powder coat paint, 2.5-mil nominal thickness for superior protection against fade and wear. Consult your lighting representative at Cooper Lighting Solutions for a complete selection of standard colors.

Warranty

Five-year warranty.

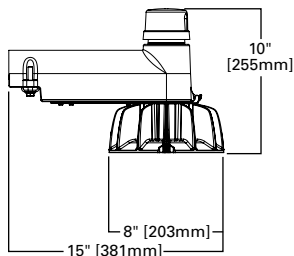


CRTK-R CARETAKER LED

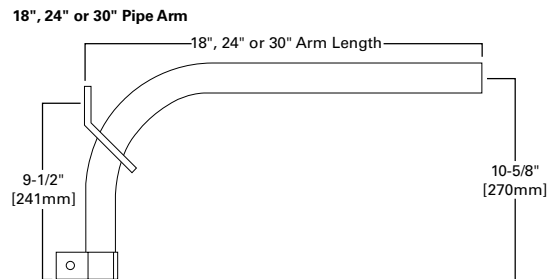
8 or 12 LEDs
Solid State LED

ROADWAY LUMINAIRE

DIMENSIONS



OPTIONAL WOOD POLE PIPE ARM



CERTIFICATION DATA

ISO 9001
IP66 LED Array
3G Vibration Rated

ENERGY DATA

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

EPA

Effective Projected Area: (Sq. Ft.) 0.67

SHIPPING DATA

Approximate Net Weight:
8.0 lbs. (3.6 kgs.)

POWER AND LUMENS

Light Engine		48W (8 LEDs)	73W (12 LEDs)
Type II	4000K Lumens / 70 CRI	4,447	6,302
	BUG Rating	B1-U0-G1	B2-U0-G2
Type V	4000K Lumens / 70 CRI	4,814	6,910
	BUG Rating	B3-U0-G1	B3-U0-G1

LUMEN MAINTENANCE (8 LEDS)

Ambient Temperature	TM-21 Lumen Maintenance (36,000 Hours)	Theoretical L70 (Hours)
25°C	> 86%	87,000
40°C	> 84%	72,000

LUMEN MAINTENANCE (12 LEDS)

Ambient Temperature	TM-21 Lumen Maintenance (36,000 Hours)	Theoretical L70 (Hours)
25°C	> 83%	69,000
40°C *	> 82%	66,000

* Painted Only.

ORDERING INFORMATION

Sample Number: CRTK-R-A08-E-120-5

Product Family	Lumen Package	Driver	Voltage	Distribution
CRTK-R=Caretaker Roadway Luminaire	A08=8 LEDs A12=12 LEDs ¹	E=Non-Dimming D=Dimming (0-10V) ^{2,3}	120=120V U=(120-277V) ²	2=Type II 5=Type V
Options (Add as Suffix)		Color	Accessory (Order Separately)	
S=Shorting Cap 4N7=NEMA 7-PIN Twistlock Photocontrol Receptacle ⁴ 5=120V NEMA Photocontrol Included 10K=10kV UL 1449 Surge Protection Device ⁵ 10MSP=10kV MOV Surge Protector		B18=18" Wood Pole Pipe Arm B24=24" Wood Pole Pipe Arm B30=30" Wood Pole Pipe Arm TH=Tool-less Door Hardware WPBKT=Wall or Pole Mounting Bracket V=(2) 5' #14 Leads	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White A=Raw Aluminum Unfinished (Standard) ¹	
			LLPC=Long-life Photocontrol ⁶ LLPC-FO=Long-life Photocontrol (Fail Off) ⁶	

NOTE:

1. Paint required for 12 LED at 40°C ambient. Maximum ambient temperature for 12 LED unpainted is 25°C.
2. Dimming and universal voltage must be ordered together.
3. Dimming leads will be capped except when 4N7 option is specified.
4. Only available with dimming driver.
5. Not available with dimming or universal voltage.
6. Sold as accessory. Not covered under luminaire warranty.