

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 Eaton for a complete selection of standard colors.

Warranty

Five-year warranty.



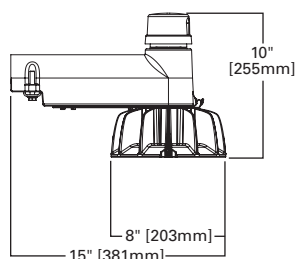
CRTK-R CARETAKER LED

8 or 12 LEDs

Solid State LED

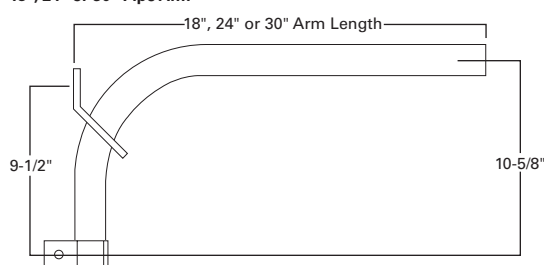
ROADWAY LUMINAIRE

DIMENSIONS



OPTIONAL WOOD POLE PIPE ARM

18", 24" or 30" Pipe Arm



CERTIFICATION DATA

UL/cUL Wet Location Listed
ISO 9001
IP66 LED Array
3G Vibration Rated
DesignLights Consortium™ Qualified*

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

Luminaire Wattage (Nominal)		48W (8 LEDs)	73W (12 LEDs)
Type II	Lumens	4,447	6,302
	BUG Rating	1-0-1	1-0-1
Type V	Lumens	4,814	6,910
	BUG Rating	2-0-1	3-0-1

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	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 ² 5 =120V NEMA Photocontrol Included 10K =10kV UL 1449 Surge Protection Device ³ 10MSP =10kV MOV Surge Protector UL =UL/CSA Listed		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 5000 =5000K CCT	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White A =Raw Aluminum Unfinished (Standard) ¹	
			LLPC =Long-life Photocontrol ⁴ LLPC-FO =Long-life Photocontrol (Fail Off) ⁴	

NOTE:

1. Paint required for 12 LED at 40°C ambient. Maximum ambient temperature for 12 LED unpainted is 25°C.

2. Dimming, universal voltage, and 7-PIN PCR options must be ordered together.

3. Not available with dimming or universal voltage.

4. Sold as accessory. Not covered under luminaire warranty.