

# ARE-EDG-2M-DA

Cree Edge™ Area Luminaire – Type II Medium – Direct Arm Mount

## Product Description

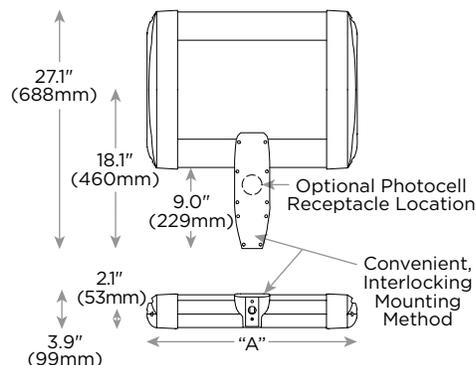
Slim, low profile design minimizes wind load requirements. Luminaire sides are rugged cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks. Convenient, interlocking mounting method. Mounting housing is rugged die cast aluminum and mounts to 3–6" (76–152mm) square or round pole. Luminaire is secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers.

## Performance Summary

Utilizes BetaLED® Technology
Patented NanoOptic® Product Technology
Made in the U.S.A. of U.S. and imported parts
<b>CRI:</b> Minimum 70 CRI
<b>CCT:</b> 5700K (+ / - 500K) Standard, 4000K (+ / - 300K)
<b>Limited Warranty*:</b> 10 years on luminaire / 10 years on Colorfast DeltaGuard® finish
<b>EPA and Weight:</b> Reference EPA and Weight spec sheet

## Accessories

Field Installed Accessories
<b>XA-BRDSPK</b> Bird Spikes



LED Count (x10)	Dim. "A"
04	12.1" (306mm)
06	14.1" (357mm)
08	16.1" (408mm)
10	18.1" (459mm)
12	20.1" (510mm)
14	22.1" (560mm)
16	24.1" (611mm)
20	28.1" (713mm)
24	32.1" (814mm)

## Ordering Information

Example: ARE-EDG-2M-DA-04-E-UL-SV-350-OPTIONS

ARE-EDG	2M	DA		E				
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
ARE-EDG	2M Type II Medium	DA Direct Arm	04 06 08 10 12 14 16 20 24	E	UL Universal 120–277V UH Universal 347–480V 34 347V	SV Silver (Standard) BK Black BZ Bronze PB Platinum Bronze WH White	350* 350mA 525** 525mA 700*** 700mA	<b>40K 4000K Color Temperature</b> - Color temperature per luminaire <b>DIM 0–10V Dimming</b> - Control by others - Refer to dimming spec sheet for details - Can't exceed specified drive current <b>F Fuse</b> - When code dictates fusing, use time delay fuse - Not available with all ML options. Refer to ML spec sheet for availability with ML options <b>HL Hi / Low (175 / 350 / 525 Dual Circuit Input)</b> - Refer to ML spec sheet for details - Sensor not included <b>P Photocell</b> - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Must specify voltage other than UH <b>R NEMA Photocell Receptacle</b> - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Photocell by others <b>ML Multi-Level</b> - Refer to ML spec sheet for details

\* See [www.cree.com/lighting/products/warranty](http://www.cree.com/lighting/products/warranty) for warranty terms  
 \* Available on luminaires with 60–240 LEDs.  
 \*\* Available on luminaires with 40–160 LEDs.  
 \*\*\* Available on luminaires with 40–60 LEDs.



Rev. Date: 09/27/13



**Product Specifications**

**CONSTRUCTION & MATERIALS**

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartments and high performance heat sinks
- Convenient interlocking mounting method. Mounting housing is rugged die cast aluminum mounting to 3-6" (76-152mm) square or round pole, secured by two 5 / 16-18 UNC bolts spaced on 2" (51mm) centers
- Includes leaf / debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Standard is silver. Bronze, black, white, and platinum bronze are also available

**ELECTRICAL SYSTEM**

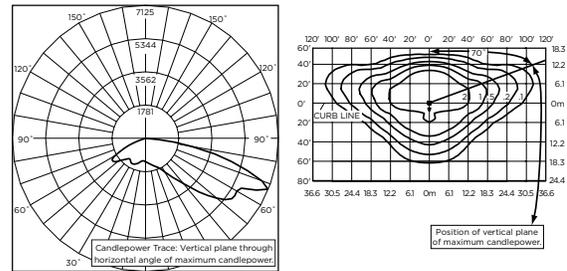
- **Input Voltage:** 120-277V or 347-480V, 50 / 60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C / D breaker should be used

**REGULATORY & VOLUNTARY QUALIFICATIONS**

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE / ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Product qualified on the DesignLights Consortium™ ("DLC") Qualified Products List ("QPL") when ordered without full backlight control shield
- Meets Buy American requirements within ARRA

**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



CSA Test Report #: 6371  
 ARE-EDG-2M-\*\*-06-E-UL-700-40K  
 Initial Delivered Lumens: 10,985

ARE-EDG-2M-\*\*-12-E-UL-525-40K  
 Mounting Height: 25' (7.6m) A.F.G.  
 Initial Delivered Lumens: 17,710  
 Initial FC at grade

**IES Files**  
 To obtain an IES file specific to your project consult:  
<http://www.cree.com/lighting/tools-and-support/exterior-ies-configuration-tool>

**Lumen Output, Electrical, and Lumen Maintenance Data**

Type II Medium Distribution												
LED Count (x10)	5700K		4000K		System Watts 120-480V	TOTAL CURRENT					50K Hours Projected Lumen Maintenance Factor @ 15° C (59° F)**	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-II	Initial Delivered Lumens*	BUG Ratings** Per TM-15-II		120V	208V	240V	277V	347V		480V
<b>350mA @ 25° C (77° F)</b>												
06	6,584	B2 U0 G2	6,340	B2 U0 G1	66	0.52	0.31	0.28	0.26	0.20	0.15	93%
08	8,779	B2 U0 G2	8,454	B2 U0 G2	90	0.75	0.44	0.38	0.34	0.26	0.20	
10	10,947	B2 U0 G2	10,542	B2 U0 G2	110	0.92	0.53	0.47	0.41	0.32	0.24	
12	13,137	B3 U0 G3	12,650	B2 U0 G2	130	1.10	0.63	0.55	0.48	0.38	0.28	
14	15,229	B3 U0 G3	14,665	B3 U0 G3	158	1.32	0.77	0.68	0.62	0.47	0.35	
16	17,405	B3 U0 G3	16,760	B3 U0 G3	179	1.49	0.87	0.77	0.68	0.53	0.39	
20	21,756	B3 U0 G3	20,950	B3 U0 G3	220	1.84	1.06	0.93	0.83	0.64	0.47	
24	26,107	B4 U0 G3	25,140	B3 U0 G3	261	2.19	1.26	1.10	0.97	0.76	0.56	
<b>525mA @ 25° C (77° F)</b>												
04	6,216	B2 U0 G1	5,986	B2 U0 G1	70	0.58	0.34	0.31	0.28	0.21	0.16	92%
06	9,218	B2 U0 G2	8,876	B2 U0 G2	101	0.84	0.49	0.43	0.38	0.30	0.22	
08	12,290	B2 U0 G2	11,835	B2 U0 G2	133	1.13	0.66	0.58	0.51	0.39	0.28	
10	15,326	B3 U0 G3	14,759	B3 U0 G3	171	1.43	0.83	0.74	0.66	0.50	0.38	
12	18,391	B3 U0 G3	17,710	B3 U0 G3	202	1.69	0.98	0.86	0.77	0.59	0.44	
14	21,321	B3 U0 G3	20,531	B3 U0 G3	232	1.94	1.12	0.98	0.87	0.68	0.50	
16	24,367	B3 U0 G3	23,464	B3 U0 G3	263	2.21	1.27	1.11	0.97	0.77	0.56	
<b>700mA @ 25° C (77° F)</b>												
04	7,593	B2 U0 G2	7,311	B2 U0 G2	92	0.78	0.46	0.40	0.36	0.27	0.20	90%
06	11,259	B2 U0 G2	10,842	B2 U0 G2	134	1.14	0.65	0.57	0.50	0.39	0.29	

\* Actual production yield may vary between -4 and +10% of initial delivered lumens.  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit [www.iesna.org/PDF/Erratas/TM-15-IIBUGRatingsAddendum.pdf](http://www.iesna.org/PDF/Erratas/TM-15-IIBUGRatingsAddendum.pdf).  
 \*\*\* For recommended lumen maintenance factor data see TD-13. Calculated L<sub>80</sub> based on 6,000 hours LM-80-08 testing; > 150,000 hours.

