

THE EDGE® ARE-EHO-5S-AA

High Output Area Luminaire – Type V Short – Adjustable Arm Mount

Product Description

THE EDGE® high output (HO) area luminaire is designed to deliver high lumen packages with precise optical control. Upgrade friendly unit features a slim, low profile design that minimizes wind load requirements and rugged die cast aluminum adjustable arm that mounts to a vertical 2" (51 mm) IP, 2.375-3" (60-76mm) O.D. tenon.

Performance Summary

Utilizes BetaLED® Technology

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 5700K (+/- 500K) Standard, 4000K (+/- 300K)

Warranty: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

Accessories

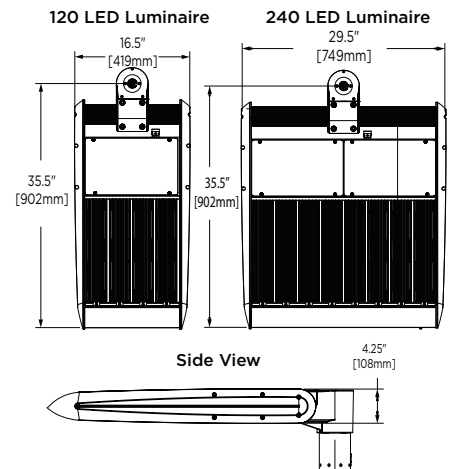
Field Installed Accessories

XA-BRDSPKXAK12

Bird Spikes for 120 LED luminaires

XA-BRDSPKXAK24

Bird Spikes for 240 LED luminaires



Ordering Information

Example: ARE-EHO-5S-AA-12-D-UL-SV-700-OPTIONS

ARE-EHO	5S	AA		D				
Product	Optic	Mounting	LED Count (x10)	Version	Voltage	Color Options	Drive Current	Options
ARE-EHO	5S Type V Short	AA Adjustable Arm	12 24	D	UL Universal 120-277V UH Universal 347- 480V	SV Silver (Standard) BK Black BZ Bronze PB Platinum Bronze WH White	700 700mA 1000* 1000mA	40K 4000K Color Temperature - Color temperature per luminaire DIM 0-10V Dimming - Control by others - Refer to _____ for details - Can't exceed specified drive current F Fuse - When code dictates fusing, use time delay fuse R NEMA Photocell Receptacle - Photocell by others - Not available with UP option ML Multi-Level - Refer to _____ for details - Not available with 240 LEDs @ 1 Amp - Not available with UH voltage - Intended for downlight applications at 0° tilt UP Uplight Configuration - Product will be shipped orientated for upright installation

* Not available with UH voltage



Rev. Date: 10/16/2012



High Output Area Luminaire – Type V Short – Adjustable Arm Mount

Product Specifications

BETALED® TECHNOLOGY

Cree EDGE high output area luminaires are powered by BetaLED Technology delivering outstanding illumination, lasting performance and optimum energy efficiency. Patented NanoOptic® product technology optimizes target illumination, performance and offers flexibility with over 20 optic choices.

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weather-tight LED driver compartments and high performance heat sinks
- Adjustable mounting arm is rugged die cast aluminum and mounts to 2" (51mm) IP 2.375-3" (60-76mm) O.D. vertical tenon
- Extruded aluminum adjustable mounting shaft
- Luminaire is adjustable from horizontal 90° towards pole and 120° away from pole
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable 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 10kV surge suppression protection standard
- When code dictates a slow blow fuse or type C/D breaker should be used to address inrush current

REGULATORY & VOLUNTARY QUALIFICATIONS

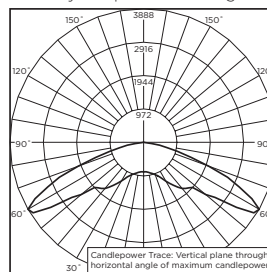
- cULus Listed
- Suitable for wet locations
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- RoHS Compliant
- Meets Buy American requirements within ARRA

PATENTS

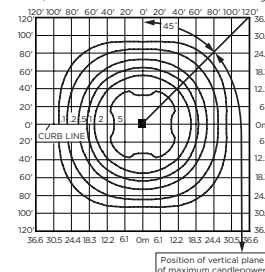
- Visit website for patents that cover these products:
Patents <http://www.cree.com/patents>

Photometry

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



ITL Test Report #: 73896
ARE-EHO-5S-**-12-D-UL-1000-40K
Initial Delivered Lumens: 29,952



ARE-EHO-5S-**-24-D-UL-1000-40K
Mounting Height: 25' (7.6m)
Initial Delivered Lumens: 59,329
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 V Short 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-15-11	Initial Delivered Lumens	BUG Ratings* Per TM-15-11		120V	208V	240V	277V	347V	480V	
700mA @ 25° C (77° F)												
12	24,654	B4 U0 G2	22,722	B4 U0 G2	279	2.32	1.34	1.16	1.01	0.80	0.58	91%
24	49,307	B5 U0 G4	45,444	B5 U0 G4	557	4.64	2.68	232	2.01	1.61	1.16	
1000mA @ 25° C (77° F)												
12	32,187	B5 U0 G3	29,665	B5 U0 G3	426	3.55	2.05	1.77	1.54	N/A	N/A	86%
24	64,373	B5 U0 G5	59,329	B5 U0 G5	851	7.09	4.09	3.55	3.07	N/A	N/A	

* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf. Valid with no tilt

** Projected L₇₀ (10K) Hours: > 60,000. For recommended lumen maintenance factor data see TD-13

Weight and EPA

LED Count (x10)	Weight	EPA (Mounting Angle)								
		0°	10°	20°	30°	45°	60°	70°	80°	90°
12	45 lbs (20.4kg)	1.40	1.40	1.89	2.49	3.32	3.96	4.26	4.44	4.51
24	80 lbs (36.3kg)	1.40	2.09	3.23	4.32	5.82	6.99	7.53	7.86	7.97

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T (800) 236-6800 F (262) 504-5415

