

THE EDGE® FLD-EHO-15-AA

High Output Flood Luminaire – 15° Flood – Adjustable Arm Mount

Product Description

THE EDGE high output (HO) flood 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

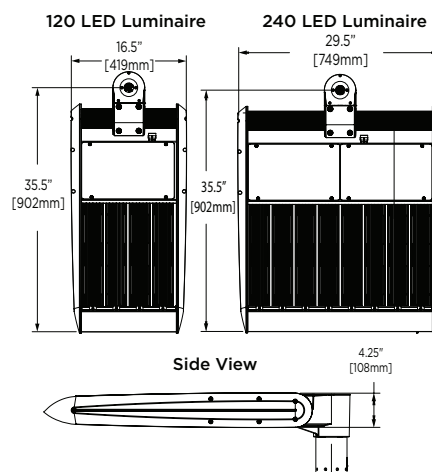
Patented NanoOptic® Product Technology

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

CRI: Minimum 70 CRI

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

Warranty: 5 years on luminaire/10 years on Colorfast DeltaGuard® finish



Ordering Information

Example: FLD-EHO-15-AA-12-D-UL-SV-700-OPTIONS

FLD-EHO	15	AA		D				
Product	Optic	Mounting	LED Count (x10)	Version	Voltage	Color Options	Drive Current	Options
FLD-EHO	15 15° Flood	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 fixture 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 ML Multi-Level - Refer to _____: for details - Not available with 240 LEDs @ 1 Amp - Not available with UH voltage - Intended for horizontal mounting only UP Uplight Configuration - Product will be shipped orientated for upright installation

* Not available with UH voltage



Rev. Date: 8/28/2012



Product Specifications

BETALED® TECHNOLOGY

Cree® THE EDGE® high output flood 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 45° towards fitter and 180° away from fitter
- 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

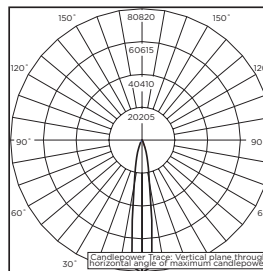
- cULus Listed
- Suitable for wet locations
- Consult factory for CE Certified products
- Pending ANSI C136.31-2001 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.
- Luminaire and finish endurance tested to withstand 5,000 hours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

PATENTS

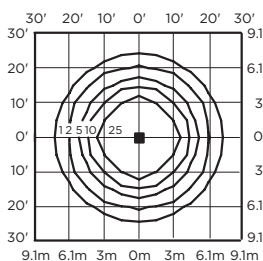
- Visit website for patents that cover these products: Patents <http://www.cree.com/patents>

Photometry

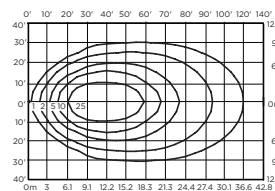
All published luminaire photometric testing performed to IESNA LM-79-08 standards by Independent Testing Laboratories, a NVLAP certified laboratory.



ITL Test Report #: 71408
FLD-EDG-15-**-06-D-UL-700-40K
Initial Delivered Lumens: 11,416



FLD-EHO-15-**-24-D-UL-1000-40K
Mounting Height: 25' (7.6m)
Initial Delivered Lumens: 60,648
Initial FC at grade



FLD-EHO-15-**-24-D-UL-1000-40K
Mounting Height: 25' (7.6m) - 60° tilt
Initial Delivered Lumens: 60,648
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

15° Flood Optic 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	Initial Delivered Lumens	120V	208V		240V	277V	347V	480V		
700mA @ 25°C (77°F)											
12	25,201	23,227	279	2.32	1.34	1.16	1.01	0.80	0.58	91%	
24	50,403	46,453	557	4.64	2.68	2.32	2.01	1.61	1.16		
1000mA @ 25°C (77°F)											
12	32,902	30,324	426	3.55	2.05	1.77	1.54	N/A	N/A	86%	
24	65,804	60,648	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	Weight	EPA (Mounting Angles)								
		0°	10°	20°	30°	45°	60°	70°	80°	90°
120 LEDs	45lbs (20.4kg)	1.42	1.40	1.89	2.49	3.32	3.96	4.26	4.44	4.51
240 LEDs	80lbs (36.3kg)	1.42	2.09	3.23	4.32	5.82	6.99	7.53	7.86	7.97

