

Cree Edge™ Series

LED High Output Area/Flood Luminaire featuring Cree TrueWhite® Technology

Product Description

The Cree Edge™ High Output Area/Flood luminaire is designed to deliver high lumen packages with precise optical control. The unit features a slim, low profile design that minimizes wind load and is available with two mounting options made with rugged die cast aluminum. The HV mount tenon is an adjustable arm that mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon. Tenon length must be a minimum of 3.75" (95mm). The direct mount bracket accessory allows for further mounting flexibility. The AA mount is an adjustable arm that mounts to a vertical 2" (51mm) IP, 2.375-3" (60-76mm) O.D. minimum 3.75" (95mm) tall tenon. The adjustable arm mount is for use in applications which have a vertical tenon and require a NEMA® Photocell Receptacle. Available with Cree TrueWhite® Technology, the Cree Edge™ High Output helps to beautifully render true colors and deliver value beyond energy savings.

Applications: Auto dealerships, parking lots, campuses, facade lighting, high-mast and general site lighting applications

Performance Summary

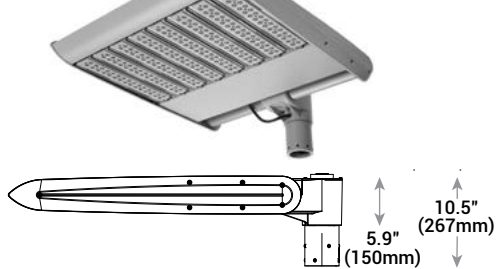
- Utilizes Cree TrueWhite® Technology on 5000K Luminaires
- Patented NanoOptic® Product Technology
- Assembled in the U.S.A. of U.S. and imported parts
- CRI:** Minimum 70 CRI (4000K & 5700K); 90 CRI (5000K)
- CCT:** 4000K (+/- 300K), 5000K (+/- 300K), 5700K (+/- 500K) standard
- Limited Warranty*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

* See <http://lighting.cree.com/warranty> for warranty terms

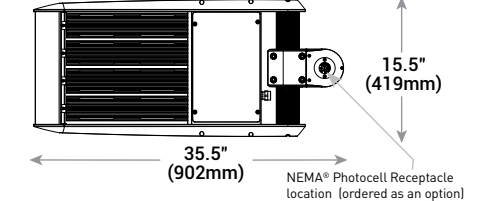
Accessories

Field-Installed	
Bird Spikes XA-BRDSPKXAK12 - 120 LED XA-BRDSPKXAK24 - 240 LED	Backlight Control Shields XA-30BLS-4 - Four-pack for 120 LED - Unpainted stainless steel XA-30BLS-8 - Eight-pack for 240 LED - Unpainted stainless steel
Direct Mount Bracket EHO-UNV - Mounts to minimum 4" (102mm) round or square; aluminum or steel pole or can be surface-mounted directly to a vertical or horizontal surface - For use with HV mount only - Must specify finish color - See Direct Mount Configurations table on page 15 - Poles must be field-drilled for direct mount EHO-UNV	

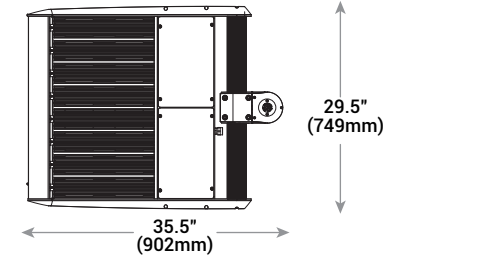
AA Mount



120 LED



240 LED



LED Count (x10)	Weight
12	45.3 lbs. (20.5kg)
24	80.5 lbs. (36.5kg)

HV Mount and Direct Mount Bracket - see page 16 for weight & dimensions

Ordering Information

Example: ARE-EHO-2M-HV-12-E-UL-SV-700

Product	Optic			Mounting*	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options		
ARE-EHO	1S Type I Short	2SB Type II Short w/BLS	4M Type IV Medium	AA Adjustable Arm	12 24	E	UL Universal 120-277V	BK Black	700 700mA	DIM 0-10V Dimming	PML Programmable Multi-Level, 20-40° Mounting Height	RL Rotate Left
FLD-EHO	15 15° Flood	40 40° Flood	SN Sign	HV Horizontal/Vertical Tenon	-	-	UH Universal 347-480V	BZ Bronze	1000 1000mA	F Fuse	R NEMA® 3-Pin Photocell Receptacle	RR Rotate Right
	2MP Type II Medium w/Partial BLS	3MB Type III Medium w/BLS	5M Type V Medium	- Available with Direct Mount Bracket when ordered with EHO-UNV field-installed accessory (see table above)				SV Silver		- When code dictates fusing, use time delay fuse	- Refer to PML spec sheet for details	40K 4000K Color Temperature
	25 25° Flood	70 70° Flood	N6 NEMA® 6	- Not for use with NEMA receptacle when mounted to vertical tenon				WH White		- Refer to ML and PML spec sheets for availability with ML and PML options	- Intended for downlight applications at 0° tilt	50K 5000K Color Temperature
			AF Automotive Frontline-Optic™							- Available for U.S. applications only	- Vertical tenon applications require use of AA mount	- Minimum 70 CRI
										- Intended for downlight applications at 0° tilt	- Photocell and shorting cap by others	- Color temperature per luminaire
										- Available only with 120 LEDs with 1000mA drive current	- Refer to ML and PML spec sheets for availability with ML and PML options	- Color temperature per luminaire

* Reference EPA and pole configuration suitability data beginning on page 14



Rev. Date: V10 12/12/2018



Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartments and high-performance heat sinks
- HV mount – adjustable arm that mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon. Tenon length must be a minimum of 3.75" (95mm). **Not for use with NEMA receptacle when mounted to vertical tenon**
- AA mount – adjustable mounting arm is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375-3" (60-76mm) O.D. minimum 3.75" (95mm) tall vertical tenon
- Surface-mount directly to a vertical or horizontal surface with field-installed EHO-UNV direct mount bracket (accessory (refer to table on page 1)
- Luminaire may be field adjusted for use in upright position. Please refer to installation instructions for details
- 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 ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** See weight charts on pages 1 and 16

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 fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximum 10V Source Current:** 120 LED: 0.40mA; 240 LED: 0.80mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Consult factory for CE Certified products
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*							
LED Count (x10)	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
700mA							
12	267	2.24	1.29	1.12	0.99	0.80	0.58
24	533	4.49	2.57	2.24	1.97	1.62	1.16
1000mA							
12	421	3.61	2.06	1.80	1.61	1.25	0.90
24	831	7.16	4.04	3.54	3.14	2.50	1.81

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

Cree Edge™ High Output Ambient Adjusted Lumen Maintenance ¹					
Ambient	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.96	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

¹ Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

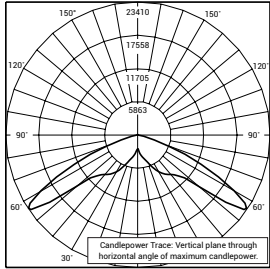
² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

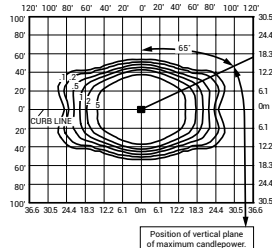
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-high-output-1>

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ITL Test Report #: 78640
 ARE-EHO-1S-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 37,812



ARE-EHO-1S-**-24-E-UL-1000-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 83,020
 Initial FC at grade

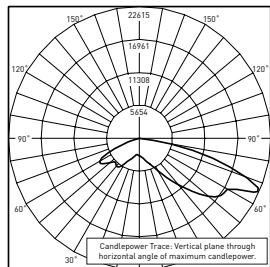
Type I Short Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	30,299	B5 U1 G4	23,236	B4 U1 G3	30,932	B5 U1 G4
24	60,636	B5 U1 G5	46,502	B5 U1 G4	61,902	B5 U1 G5
1000mA						
12	41,484	B5 U1 G4	31,806	B5 U1 G4	42,327	B5 U1 G4
24	83,020	B5 U1 G5	63,652	B5 U1 G5	84,707	B5 U1 G5

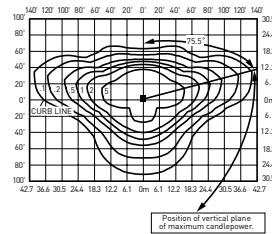
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

2M



ITL Test Report #: 78643
 ARE-EHO-2M-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 32,284



ARE-EHO-2M-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 53,859
 Initial FC at grade

Type II Medium Distribution

LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	25,637	B4 U1 G4	19,661	B3 U1 G3	26,173	B4 U1 G4
24	51,307	B5 U1 G5	39,348	B4 U1 G4	52,379	B5 U1 G5
1000mA						
12	35,102	B4 U1 G4	26,913	B4 U1 G4	35,815	B4 U1 G4
24	70,248	B5 U1 G5	53,859	B5 U1 G5	71,675	B5 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

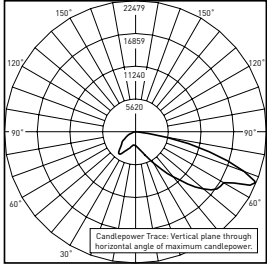
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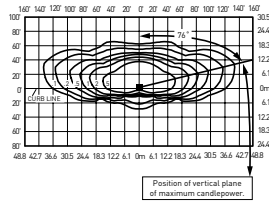
Photometry

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2MB



ITL Test Report #: 78683
 ARE-EHO-2MB-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 24,579



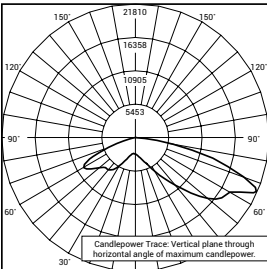
ARE-EHO-2MB-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 40,569
 Initial FC at grade

Type II Medium w/BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	19,311	B2 U1 G3	14,810	B2 U1 G2	19,715	B2 U1 G3
24	38,647	B3 U1 G4	29,639	B3 U1 G4	39,454	B3 U1 G4
1000mA						
12	26,440	B2 U1 G3	20,272	B2 U1 G3	26,977	B3 U1 G3
24	52,914	B3 U1 G5	40,569	B3 U1 G4	53,989	B3 U1 G5

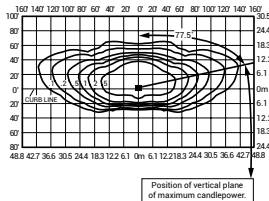
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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2MP



ITL Test Report #: 78688
 ARE-EHO-2MP-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 28,203



ARE-EHO-2MP-**-24-E-UL-1000-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 62,037
 Initial FC at grade

Type II Medium w/Partial BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
700mA						
12	22,641	B3 U1 G3	17,363	B3 U1 G3	23,114	B3 U1 G3
24	45,310	B4 U1 G4	34,749	B3 U1 G4	46,257	B4 U1 G4
1000mA						
12	30,999	B3 U1 G3	23,767	B3 U1 G3	31,629	B3 U1 G3
24	62,037	B4 U1 G5	47,564	B4 U1 G4	63,298	B4 U1 G5

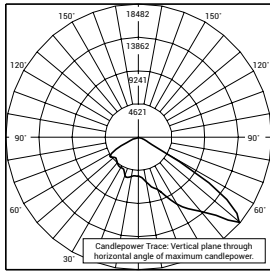
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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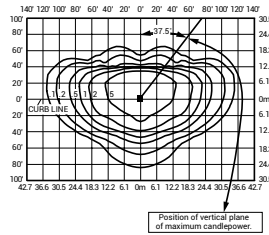
Photometry

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25



ITL Test Report #: 78639
 ARE-EHO-2S-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 34,4783



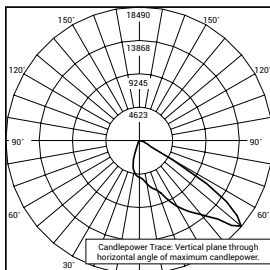
ARE-EHO-2S-**-24-E-UL-1000-40K
 Mounting Height: 25' [7.6m] A.F.G.
 Initial Delivered Lumens: 74,809
 Initial FC at grade

Type II Short Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
700mA						
12	27,302	B4 U1 G4	20,938	B3 U1 G3	27,872	B4 U1 G4
24	54,639	B5 U1 G5	41,903	B4 U1 G4	55,780	B5 U1 G5
1000mA						
12	37,381	B4 U1 G4	28,660	B4 U1 G4	38,141	B4 U1 G4
24	74,809	B5 U1 G5	57,357	B5 U1 G5	76,330	B5 U1 G5

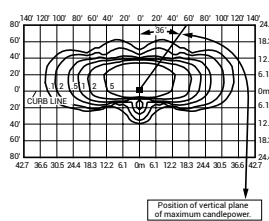
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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25B



ITL Test Report #: 78684
 ARE-EHO-2SB-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 26,431



ARE-EHO-2SB-**-24-E-UL-1000-40K
 Mounting Height: 25' [7.6m] A.F.G.
 Initial Delivered Lumens: 57,475
 Initial FC at grade

Type II Short w/BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
700mA						
12	20,976	B3 U1 G2	16,087	B2 U1 G2	21,414	B3 U1 G2
24	41,978	B3 U1 G4	32,194	B3 U1 G3	42,855	B3 U1 G4
1000mA						
12	28,719	B3 U1 G3	22,019	B3 U1 G2	29,303	B3 U1 G3
24	57,475	B4 U1 G4	44,067	B4 U1 G4	58,643	B4 U1 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

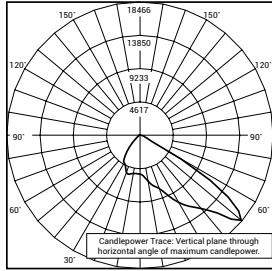
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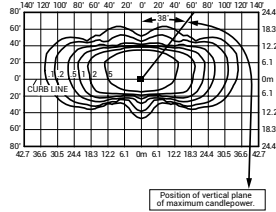
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2SP



ITL Test Report #: 78686
 ARE-EHO-2SP-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 30,296



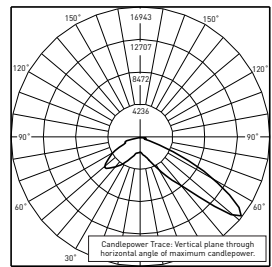
ARE-EHO-2SP-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 51,061
 Initial FC at grade

Type II Short w/Partial BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
700mA						
12	24,305	B3 U1 G3	18,640	B3 U1 G3	24,813	B3 U1 G3
24	48,642	B4 U1 G4	37,304	B4 U1 G3	49,658	B4 U1 G4
1000mA						
12	33,278	B4 U1 G3	25,514	B3 U1 G3	33,954	B4 U1 G3
24	66,599	B5 U1 G4	51,061	B4 U1 G4	67,952	B5 U1 G4

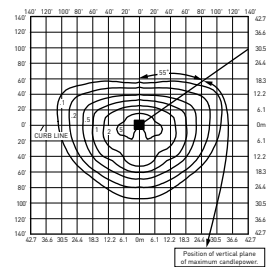
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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3M



RESTL Test Report #: PL10164-002
 ARE-EHO-3M-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 33,797



ARE-EHO-3M-**-24-E-UL-1000-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 33,278
 Initial FC at grade

Type III Medium Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	24,305	B4 U0 G4	18,640	B3 U0 G3	24,813	B4 U0 G4
24	48,642	B5 U0 G5	37,304	B4 U0 G4	49,658	B5 U0 G5
1000mA						
12	33,278	B4 U0 G4	25,514	B4 U0 G4	33,954	B4 U0 G4
24	66,599	B5 U0 G5	51,061	B5 U0 G5	67,952	B5 U0 G5

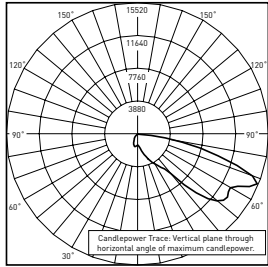
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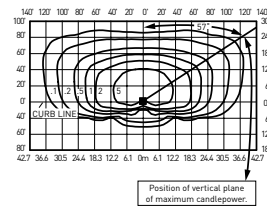
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3MB



ITL Test Report #: 78733
 ARE-EHO-3MB-**-12-E-UL-1000
 Initial Delivered Lumens: 23,622



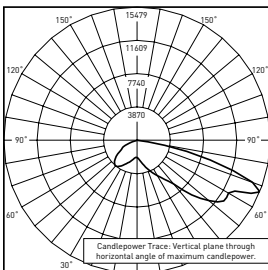
ARE-EHO-3MB-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 37,771
 Initial FC at grade

Type III Medium w/BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	17,979	B2 U1 G3	13,789	B2 U1 G3	18,355	B2 U1 G3
24	35,982	B3 U1 G5	27,595	B3 U1 G4	36,733	B3 U1 G5
1000mA						
12	24,617	B2 U1 G4	18,874	B2 U1 G3	25,117	B2 U1 G4
24	49,265	B3 U1 G5	37,771	B3 U1 G5	50,266	B3 U1 G5

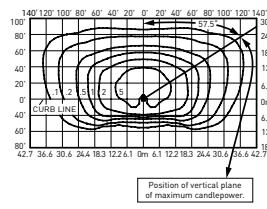
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

3MP



ITL Test Report #: 78644
 ARE-EHO-3MP-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 25,997



ARE-EHO-3MP-**-24-E-UL-1000-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 58,388
 Initial FC at grade

Type III Medium w/Partial BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	21,309	B3 U1 G3	16,342	B3 U1 G3	21,754	B3 U1 G3
24	42,645	B4 U1 G5	32,705	B3 U1 G4	43,536	B4 U1 G5
1000mA						
12	29,175	B3 U1 G4	22,369	B3 U1 G3	29,768	B3 U1 G4
24	58,388	B4 U1 G5	44,766	B4 U1 G5	59,574	B4 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

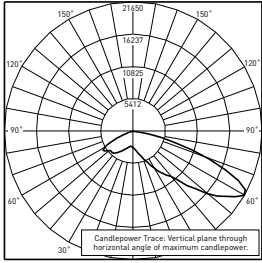
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



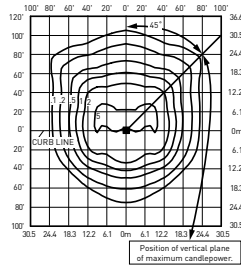
Photometry

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4M



RESTL Test Report #: PL09297-001
 ARE-EHO-4M-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 34,817



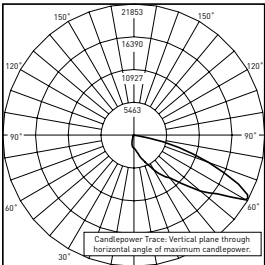
ARE-EHO-4M-**-12-E-UL-1000-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 35,102
 Initial FC at grade

Type IV Medium Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	25,637	B4 U0 G3	19,661	B3 U0 G3	26,173	B4 U0 G3
24	51,307	B5 U0 G5	39,348	B4 U0 G4	52,379	B5 U0 G5
1000mA						
12	35,102	B4 U0 G4	26,913	B4 U0 G3	35,815	B4 U0 G4
24	70,248	B5 U0 G5	53,859	B5 U0 G5	71,675	B5 U0 G5

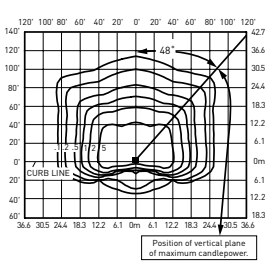
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

4MB



ITL Test Report #: 78734
 ARE-EHO-4MB-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 25,113



ARE-EHO-4MB-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 40,569
 Initial FC at grade

Type IV Medium w/BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	19,311	B2 U1 G3	14,810	B2 U1 G2	19,715	B2 U1 G3
24	38,647	B3 U1 G5	29,639	B2 U1 G4	39,454	B3 U1 G5
1000mA						
12	26,440	B2 U1 G4	20,272	B2 U1 G3	26,977	B2 U1 G4
24	52,914	B3 U1 G5	40,569	B3 U1 G5	53,989	B3 U1 G5

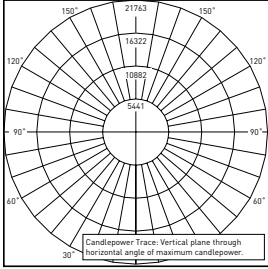
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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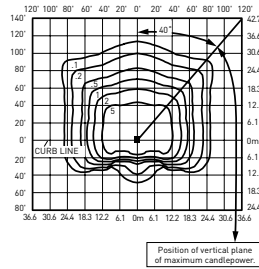
Photometry

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4MP



ITL Test Report #: 78967
 ARE-EHO-4MP-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 28,934



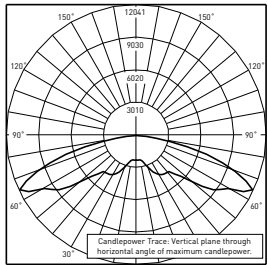
ARE-EHO-4MP-**-24-E-UL-1000-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 62,037
 Initial FC at grade

Type IV Medium w/Partial BLS Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	22,641	B3 U1 G3	17,363	B2 U1 G3	23,114	B3 U1 G3
24	45,310	B4 U1 G5	34,749	B3 U1 G4	46,257	B4 U1 G5
1000mA						
12	30,999	B3 U1 G4	23,767	B3 U1 G3	31,629	B3 U1 G4
24	62,037	B5 U1 G5	47,564	B4 U1 G5	63,298	B5 U1 G5

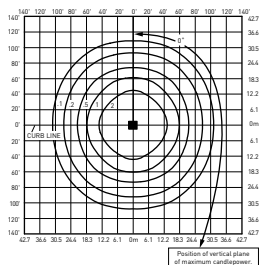
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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5M



RESTL Test Report #: PL09298-001
 ARE-EHO-5M-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 36,005



ARE-EHO-5M-**-12-E-UL-1000-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 36,925
 Initial FC at grade

Type V Medium Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	26,969	B5 U0 G3	20,683	B4 U0 G3	27,532	B5 U0 G3
24	53,972	B5 U0 G5	41,392	B5 U0 G4	55,100	B5 U0 G5
1000mA						
12	36,925	B5 U0 G4	28,311	B5 U0 G3	37,675	B5 U0 G4
24	73,897	B5 U0 G5	56,657	B5 U0 G5	75,399	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

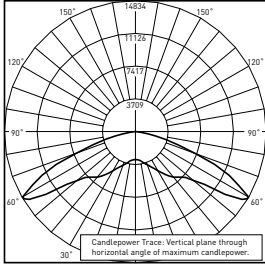
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



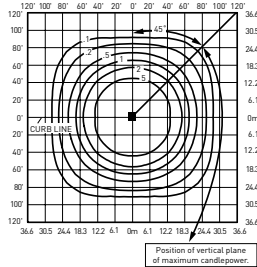
Photometry

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55



ITL Test Report #: 78687
 ARE-EHO-5S-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 37,329



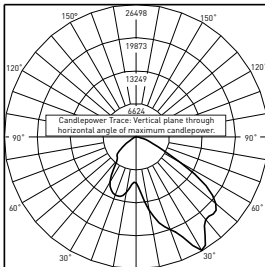
ARE-EHO-5S-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 62,952
 Initial FC at grade

Type V Short Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	29,966	B5 U0 G3	22,981	B4 U0 G2	30,592	B5 U0 G3
24	59,969	B5 U0 G4	45,991	B5 U0 G4	61,222	B5 U0 G4
1000mA						
12	41,028	B5 U0 G4	31,456	B5 U0 G3	41,862	B5 U0 G4
24	82,108	B5 U0 G5	62,952	B5 U0 G4	83,776	B5 U0 G5

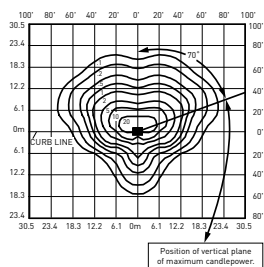
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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AF



RESTL Test Report #: PL09299-001
 ARE-EHO-AF-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 38,346



ARE-EHO-AF-**-12-E-UL-1000-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 39,660
 Initial FC at grade

Automotive FrontlineOptic™ Distribution						
LED Count (x10)	4000K		5000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
700mA						
12	28,967	B4 U0 G2	22,215	B3 U0 G2	29,572	B4 U0 G2
24	57,970	B5 U0 G2	44,458	B4 U0 G2	59,181	B5 U0 G2
1000mA						
12	39,660	B4 U0 G2	30,408	B4 U0 G2	40,466	B4 U0 G2
24	79,371	B5 U0 G3	60,854	B5 U0 G3	80,984	B5 U0 G3

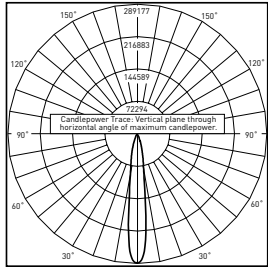
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

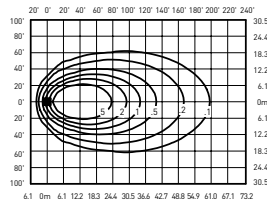
Photometry

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15°



ITL Test Report #: 78519
 FLD-EHO-15-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 38,859

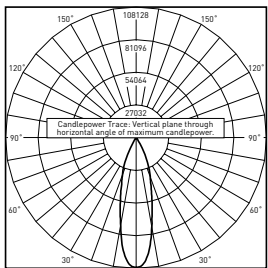


FLD-EHO-15-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
 Initial Delivered Lumens: 64,351
 Initial FC at grade

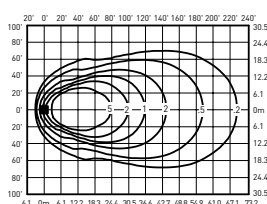
15° Flood Optic Distribution			
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	30,631	23,492	31,271
24	61,302	47,013	62,583
1000mA			
12	41,940	32,155	42,792
24	83,932	64,351	85,638

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

25°



ITL Test Report #: 78520
 FLD-EHO-25-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 38,828



FLD-EHO-25-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
 Initial Delivered Lumens: 64,351
 Initial FC at grade

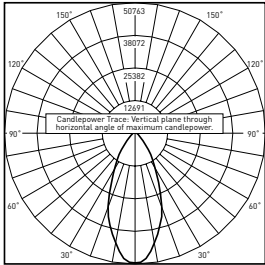
25° Flood Optic Distribution			
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	30,631	23,492	31,271
24	61,302	47,013	62,583
1000mA			
12	41,940	32,155	42,792
24	83,932	64,351	85,638

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

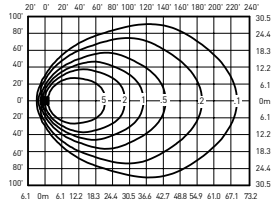
Photometry

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40°



ITL Test Report #: 78521
 FLD-EHO-40-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 36,476



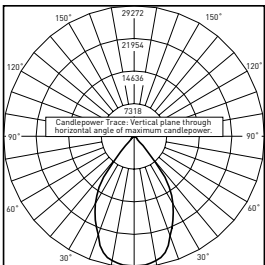
FLD-EHO-40-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
 Initial Delivered Lumens: 62,952
 Initial FC at grade

40° Flood Optic Distribution

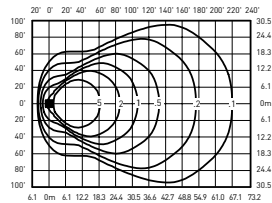
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	29,966	22,981	30,592
24	59,969	45,991	61,222
1000mA			
12	41,028	31,456	41,862
24	82,108	62,952	83,776

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

70°



ITL Test Report #: 78522
 FLD-EHO-70-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 33,030



FLD-EHO-70-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
 Initial Delivered Lumens: 57,357
 Initial FC at grade

70° Flood Optic Distribution

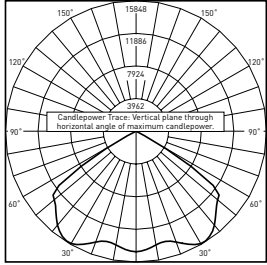
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	27,302	20,938	27,872
24	54,639	41,903	55,780
1000mA			
12	37,381	28,660	38,141
24	74,809	57,357	76,330

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

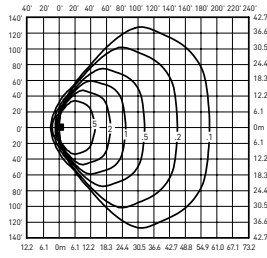
Photometry

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N6



ITL Test Report #: 78562
 FLD-EHO-N6-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 38,110

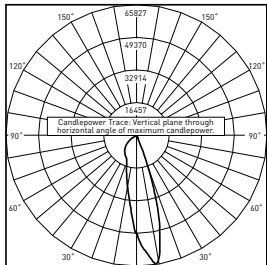


FLD-EHO-N6-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
 Initial Delivered Lumens: 64,351
 Initial FC at grade

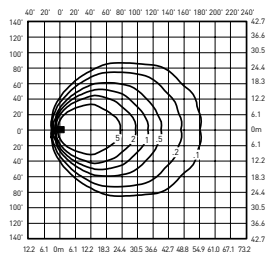
NEMA 6 Distribution			
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	30,631	23,492	31,271
24	61,302	47,013	62,583
1000mA			
12	41,940	32,155	42,792
24	83,932	64,351	85,638

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

SN



ITL Test Report #: 78563
 FLD-EHO-SN-**-12-E-UL-1000-40K
 Initial Delivered Lumens: 34,961













FLD-EHO-SN-**-24-E-UL-1000-50K
 Mounting Height: 25' (7.6m) A.F.G. - 60° tilt
 Initial Delivered Lumens: 58,056
 Initial FC at grade

Sign Optic Distribution			
LED Count (x10)	4000K	5000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
700mA			
12	27,635	21,193	28,212
24	55,305	42,414	56,460
1000mA			
12	37,837	29,010	38,606
24	75,722	58,056	77,260

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Cree Edge™ LED High Output Area/Flood Luminaire

Luminaire EPA

Horizontal/Vertical Tenon Mount, Adjustable Arm Mount, and EHO-UNV Direct Mount Bracket											
LED Count (x10)	Luminaire Weight	Single	2 @ 90°	2 @ 180°	2 @ 180°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 90°	4 @ 180°	
Tenon Configuration If used with Cree tenons, please add tenon EPA with Luminaire EPA											
	Vertical	Horizontal	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
											
	PB-1A*; PW-1A3; EHO-UNV	Horizontal Tenon (N/A w/AA Mount)	PB-2A*; PB-2R2.375; PW-2A3; (2) EHO-UNV	PB-2A*; PB-2R2.375; PW-2A3 (picture does not apply)	PB-2A*; PB-2R2.375; PW-2A3 (picture doesn't apply)	PB-3A*; PB-3R2.375; (3) EHO-UNV	PB-3A*; PB-3R2.375	PB-3A*; PB-3R2.375	PB-4A*(90); PB-4R2.375; (4) EHO-UNV	PB-4A*(180); PB-4R2.375	
0° Tilt											
12	45.3 lbs. (20.6kg)	1.41	1.41	2.35	2.83	2.83	3.76	3.76	4.24	4.70	5.66
24	80.5 lbs. (36.6kg)	1.41	1.41	2.80	2.83	N/A	4.22	4.22	N/A	5.61	N/A
10° Tilt											
12	45.3 lbs. (20.6kg)	1.49	1.41	2.90	2.98	2.98	4.39	4.39	5.96	5.81	7.95
24	80.5 lbs. (36.6kg)	2.38	1.97	2.38	4.76	N/A	6.18	6.18	N/A	7.59	N/A
20° Tilt											
12	45.3 lbs. (20.6kg)	2.11	1.71	3.53	4.22	4.22	5.64	5.64	8.45	7.05	11.26
24	80.5 lbs. (36.6kg)	3.46	3.11	4.87	6.92	N/A	7.12	7.12	N/A	9.74	N/A
30° Tilt											
12	45.3 lbs. (20.6kg)	2.69	2.30	4.11	5.39	5.39	6.80	6.80	10.78	8.22	14.37
24	80.5 lbs. (36.6kg)	4.59	4.23	6.97	9.19	N/A	10.60	10.60	N/A	12.01	N/A
45° Tilt											
12	45.3 lbs. (20.6kg)	3.50	3.11	4.91	6.99	6.99	8.40	8.40	13.98	9.82	18.64
24	80.5 lbs. (36.6kg)	6.03	5.73	7.44	10.31	N/A	13.48	13.48	N/A	14.89	N/A
60° Tilt											
12	45.3 lbs. (20.6kg)	4.12	3.74	5.54	8.25	8.25	9.66	9.66	16.49	11.08	21.99
24	80.5 lbs. (36.6kg)	7.24	6.91	8.65	12.37	N/A	15.89	15.89	N/A	17.30	N/A
70° Tilt											
12	45.3 lbs. (20.6kg)	4.41	4.03	5.83	8.83	8.83	10.24	10.24	17.65	11.65	23.54
24	80.5 lbs. (36.6kg)	7.76	7.45	9.17	15.51	N/A	16.93	16.93	N/A	18.34	N/A
80° Tilt											
12	45.3 lbs. (20.6kg)	4.59	4.21	6.00	9.18	9.18	10.59	10.59	18.36	12.01	24.47
24	80.5 lbs. (36.6kg)	8.06	7.79	9.48	16.12	N/A	17.54	17.54	N/A	18.95	N/A
90° Tilt											
12	45.3 lbs. (20.6kg)	4.64	4.26	6.06	9.29	9.29	10.70	10.70	18.58	12.12	24.77
24	80.5 lbs. (36.6kg)	8.14	7.89	9.56	16.29	N/A	17.70	17.70	N/A	19.12	N/A

Note: Not for use with aluminum tenons



Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*[90]	1.11
PB-4A*[180]	2.22
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-2L	0.13
WM-4L	0.32
EHO-UNV	0.22

Tenons and Brackets* (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles</p> <p>PB-1A* – Single PB-4A*[90] – 90° Quad PB-2A* – 180° Twin PB-4A*[180] – 180° Quad PB-3A* – 180° Triple</p> <p>Wall Mount Brackets - Mounts to wall or roof</p> <p>WM-2 – Horizontal WM-4L – Extended L-Shape WM-2L – Extended Horizontal</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-4R2.375 – Quad PB-3R2.375 – Triple</p> <p>Mid-Pole Bracket - Mounts to square pole</p> <p>PW-1A3** – Single PW-2A3** – Double</p> <p>Direct Mount Bracket - Mounts to minimum 4" (102mm) round or square; aluminum or steel pole or can be surface-mounted directly to a vertical or horizontal surface</p> <p>- For use with HV mount only - See Direct Mount Configurations table below - Poles must be field-drilled for direct mount EHO-UNV</p>

* Refer to the [Bracket and Tenons spec sheet](#) for more details

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Direct Mount Configurations

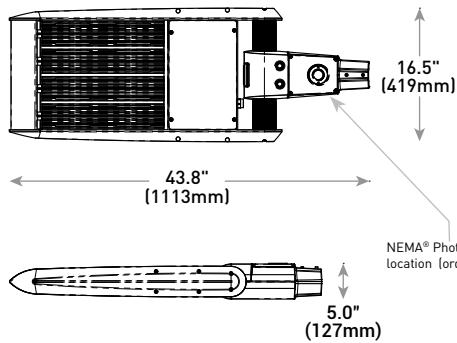
Compatibility with EHO-UNV Direct Mount Bracket					
LED Count [x10]	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
4" Square					
12	✓	✓	N/A	N/A	N/A
24	✓	✓	N/A	N/A	N/A
4" Round					
12	N/A	✓	N/A	N/A	N/A
24	N/A	✓	N/A	N/A	N/A
5" Square					
12	✓	✓	✓	N/A	✓
24	✓	✓	✓	N/A	✓
5" Round					
12	N/A	✓	N/A	✓	N/A
24	N/A	✓	N/A	✓	N/A
6" Square					
12	✓	✓	✓	N/A	✓
24	✓	✓	✓	N/A	✓
6" Round					
12	✓	✓	✓	✓	✓
24	✓	✓	✓	✓	✓



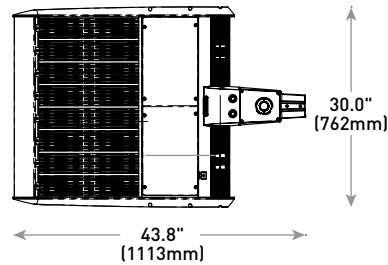
Cree Edge™ LED High Output Area/Flood Luminaire

HV Mount (shown in horizontal position)

120 LED



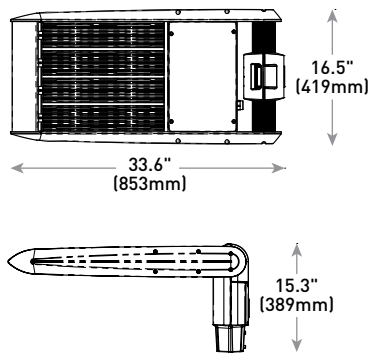
240 LED



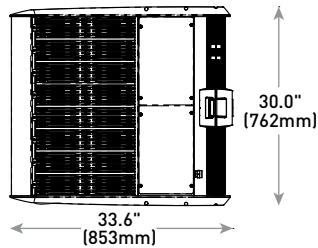
LED Count (x10)	Weight
12	45.3 lbs. (20.5kg)
24	80.5 lbs. (36.5kg)

HV Mount (shown in vertical position)

120 LED



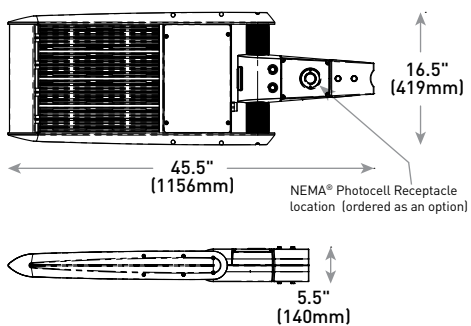
240 LED



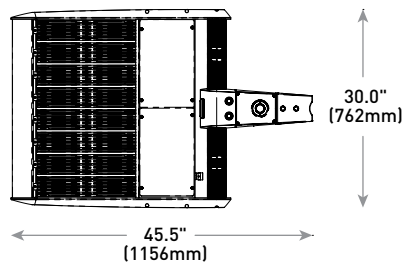
LED Count (x10)	Weight
12	45.3 lbs. (20.5kg)
24	80.5 lbs. (36.5kg)

Direct Mount Bracket (accessory sold separately)
Not for use with R option.

120 LED



240 LED



LED Count (x10)	Weight
12	45.3 lbs. (20.5kg)
24	80.5 lbs. (36.5kg)

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