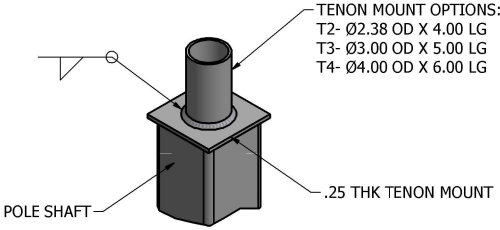


TENON MOUNT OPTIONS

POLE SPECIFICATIONS		
NO.	COMPONENT	MAT'L DESIGNATION
1.	POLE SHAFT	6063-T6
2.	BASE PLATE	A356-T6
3.	ANCHOR BOLTS	F1554 GR. 55
4.	GALVANIZED HARDWARE	A153

FINISH SPECIFICATIONS
POLES SHALL HAVE A POLYESTER POWDER COAT FINISH IN A STANDARD COLOR.

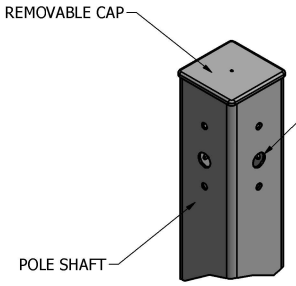
POLE DIMENSIONS				
POLE HGT (FT.)	TOP SQ. SIZE (IN.)	BOT. SQ. SIZE (IN.)	GAGE	MTG. HGT. (FT.)
20'	5.00	5.00	.188	20'

BASE PLATE DIMENSIONS			
BOLT CIRCLE (IN.)	BASE PLATE DIM. (IN.)	BOLT HOLE (IN.)	PLATE THK. (IN.)
10.50	10.44 SQ	.88	.75

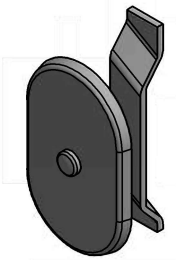
ANCHOR BOLT DIMENSIONS	
ANCHOR BOLT DIA. (IN.)	ANCHOR BOLT LENGTH (IN.)
.75	20.00

ALLOWABLE WIND LOADING (SQ. FT.)				
WIND*	80 MPH	90 MPH	100 MPH	120 MPH
EPA	10.8	8.1	5.8	1.5

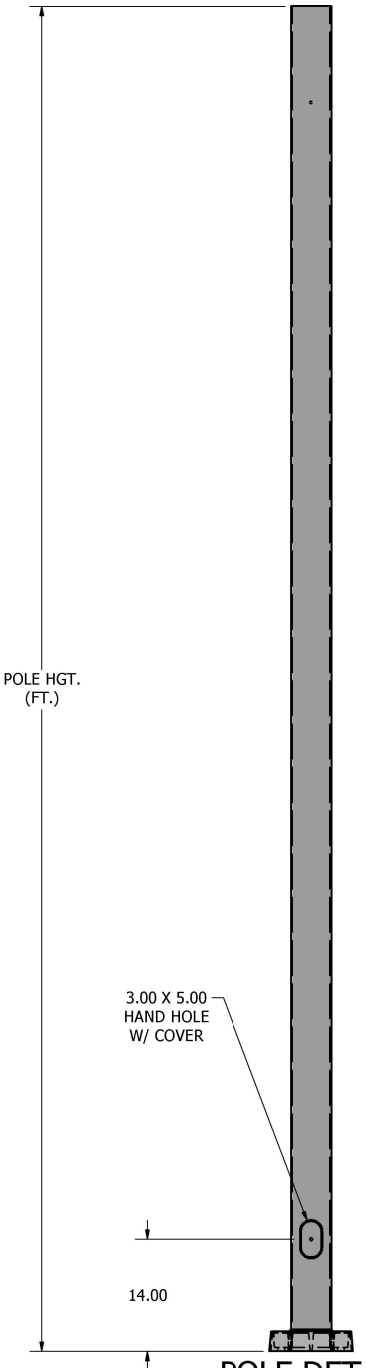
*WITH 1.3 GUST FACTOR



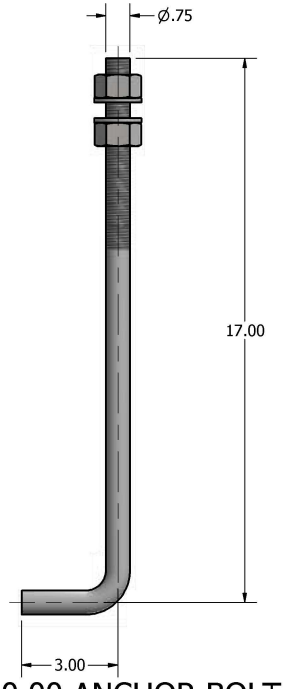
DRILLED MOUNT OPTIONS



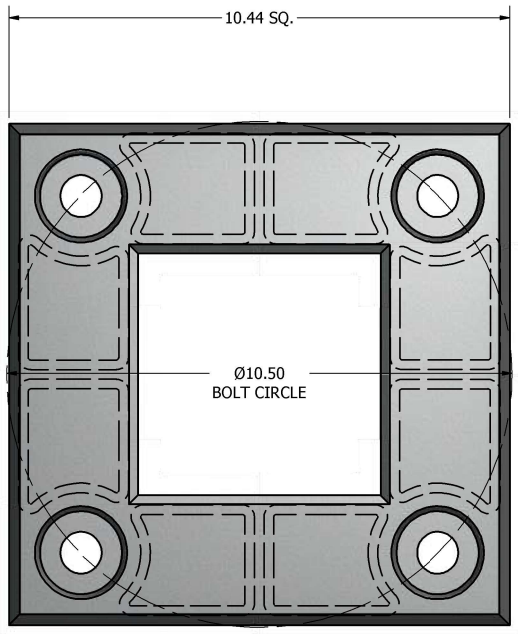
3.00 X 5.00 HAND HOLE COVER



POLE DETAIL



Ø.75 X 20.00 ANCHOR BOLT



10.44 X 10.44 X 2.50 THK BASE CASTING

SOME GEOGRAPHICAL AREAS HAVE SPECIAL WIND CONDITIONS THAT CAN CREATE WIND INDUCED VIBRATIONS CAUSING A FATIGUE PROBLEM. NO METHOD HAS YET BEEN FOUND FOR PREDICTING DESTRUCTIVE LIGHTING POLE VIBRATION. THESE CONDITIONS ARE UNIQUE AND CANNOT BE GUARANTEED AGAINST, AND ARE THE RESPONSIBILITY OF A LOCAL SITE ENGINEER.

TITLE:

CATALOG:

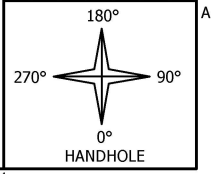
DWG NO: CPA-1-5018-20

SIZE: C

SHEET 1 OF 1

23171 Groesbeck Hwy.
Warren, MI 48089
P: (586) 774-6105 | F: (586) 774-5706
www.generalstructuresinc.com
GENERAL STRUCTURES INC
A DMI COMPANY

DRAWN: M. HARVALA	2/18/2015
CHECKED	
REVISION:	DATE:
APPROVED:	
QUOTE:	
S.O.#	
REF:	SCALE: NONE



GENERAL STRUCTURES INC
A DWM COMPANY

Pole Ordering Guide

ORDER NUMBER TEMPLATE

EXAMPLE ORDER NUMBER

Fixture			Catalog Number							Options			Accessories		
Brand	Product	Number	Design	Shaft Size	Wall Thickness	Mounting Height	Mounting Type	Fixture Mounting Arrangement	Finish	Design	Orientation	Height From Base	Design	Orientation	Height From Base
			CPS-1	40	11	20	AB	T2	DB	WB-15	@90	10'	FH	@180	9'

BUILD YOUR ORDER NUMBER

Fixture			Catalog Number							Options			Accessories		
Brand	Product	Number	Design	Shaft Size	Wall Thickness	Mounting Height	Mounting Type	Fixture Mounting Arrangement	Finish	Design	Orientation	Height From Base	Design	Orientation	Height From Base

Note: N/A = Not Applicable

MOUNTING TYPE

AB = Anchor Base
EMB = Embedded (Direct Burial)

FIXTURE MOUNTING ARRANGEMENT

D1	D4
D2@90	T2
D2@180	T2.5
D3@90	T3
D3@120*	T4

**Round poles only*

Refer to the Mounting Orientation Guide on the next page of this file.

FINISH

WH = White
TWH = Textured White
DB = Dark Bronze
TMB = Textured Medium Bronze
HB = Harvest Bronze
NB = New Bronze
SL = Silver
MGY = Medium Gray
GR = Gray
TGR = Textured Gray
GM = Graphite Metallic
DP = Dark Platinum
MA = Matte Aluminum
PSP = Platinum Silver
BK = Black
TBK = Textured Black
MG = Moss Green

Contact us for custom colors.

OPTIONS

CMB = Camera Mounting Bracket
CMP = Camera Mounting Plate
WB-15 = Mounting Bracket
WC = Welded Coupling (denote size)
WN = Welded Nipple (denote size)
Festoon = Festoon Provision
CSBC = Custom Steel Base Cover
VD = Vibration Dampener
GFCI/IUC = Ground Fault Circuit Interrupter with In-Use Cover
UL = UL Listed**

ACCESSORIES

TB = Transformer Base*
ABS-BC = ABS Base Cover*
LW = Lowering Winch
LW-ELECTRIC = Electric Lowering Winch BA = Banner Arm
FH = Flag Holder
PTTA = Pole Top Tenon Adapter*

**See our online product catalog for complete catalog numbers of these options and accessories.*

*** UL Listed labeling is available for catalog steel and aluminum poles—both Commercial & Industrial and Roadway. UL Listed labeling is not available for brackets. UL Listing must be specified at the time of order.*

THE EDGE® Series

LED Area/Flood Luminaire

IMEG FS2

Rev. Date: V14 06/24/2024

Product Description

THE EDGE® Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

Performance Summary

Patented NanoOptic® Product Technology

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: Up to 33,946 lumens

Input Power: 19 - 263 Watts

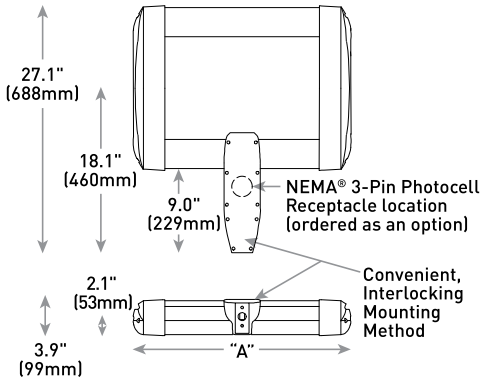
CRI: Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)

CCT: Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard

Limited Warranty†: 10 years for luminaire/10 years for Colorfast DeltaGuard® finish/5 years for PML sensors/1 year on accessories

† See https://www.creelighting.com/resources/warranties/ for warranty terms

DA Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions

Accessories

Field-Installed

Bird Spikes
XA-BRDSPK

Hand-Held Remote
XA-SENSREM
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Backlight Control Shields
XA-20BLS-4
- Four-pack
- Unpainted stainless steel

Shorting Cap
XA-XSLSHRT

NEMA® 3-Pin Photocell
C-ACC-A-PCELL-NEMA3-LV
- On/off functionality only
- Available with UL voltage only

Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

					E				
Family	**Optic**			**Mounting***	**LED Count (x10)**	**Series**	**Voltage**	**Finish**	**Drive Current**	**Options**
ARE-EDG	**2M** Type II Medium **2MB** Type II Medium w/BLS **2MP** Type II Medium w/Partial BLS **3M** Type III Medium	**3MB** Type III Medium w/BLS **3MP** Type III Medium w/Partial BLS **4M** Type IV Medium **4MB** Type IV Medium w/BLS	**4MP** Type IV Medium w/Partial BLS **5M** Type V Medium **5S** Type V Short	**AA** Adjustable Arm **DA** Direct Arm **DL** Direct Long Arm	**02** **04** **06** **08** **10** **12** **14** **16**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700** 700mA - Available with 20-60 LEDs	**DIM 0-10V Dimming** ~~Control by others~~ - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML options **F Fuse** - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse **HL Hi/Low (Dual Circuit Input)** - Refer to HL spec sheet for details - Sensor not included **P Button Photocell** - Refer to PML spec sheet for availability with PML options - Available with UL voltage only **PML Programmable Multi-Level, 20-40' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **PML2 Programmable Multi-Level, 10-30' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **R NEMA® 3-Pin Photocell Receptacle** - 3-pin receptacle per ANSI C136.10 - Not available with SA mount - Intended for downlight applications with maximum 45° tilt - Requires photocell or shorting cap by others - Refer to PML spec sheet for availability with PML options **30K 3000K Color Temperature** - Minimum 80 CRI - Color temperature per luminaire **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire **50K 5000K Color Temperature** - Minimum 90 CRI - Color temperature per luminaire **TRL Amber Turtle Friendly LEDs** - Available only with 350mA - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance
FLD-EDG	**25** 25° Flood **40** 40° Flood	**70** 70° Flood **SN** Sign	**N6** NEMA® 6	**AA** Adjustable Arm **SA** Side Arm - Available with 20-60 LEDs						

* Reference EPA and pole configuration suitability data beginning on page 19

Website: creelighting.com
US: (800) 236-6800 **Canada:** (800) 473-1234

CREE LIGHTING®

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- 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. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

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
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga–20Ga) for easy power hookup
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximium 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

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
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- 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. Consult factory for additional details
- Assembled in the USA by Cree Lighting from US and imported parts
- Some configurations meet requirements of BAA and/or BABA. Consult factory when needed for a project: www.creelighting.com/BAA-BABA
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

LED Count (x10)	CCT	System Watts 120-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
350mA								
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.07
	TRL	19	0.16	0.09	0.08	0.07	0.05	0.04
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.12
	TRL	35	0.29	0.17	0.15	0.13	0.10	0.07
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.15
	TRL	50	0.41	0.24	0.21	0.18	0.14	0.10
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.20
	TRL	68	0.57	0.33	0.28	0.25	0.20	0.14
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.24
	TRL	83	0.69	0.40	0.35	0.30	0.24	0.17
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.28
	TRL	99	0.82	0.48	0.41	0.36	0.28	0.21
14	30K/40K/50K/57K	158	1.32	0.77	0.68	0.62	0.47	0.35
	TRL	120	1.00	0.58	0.50	0.43	0.34	0.25
16	30K/40K/50K/57K	179	1.49	0.87	0.77	0.68	0.53	0.39
	TRL	136	1.13	0.65	0.57	0.49	0.39	0.28
525mA								
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.10
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.16
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.22
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.28
10	30K/40K/50K/57K	171	1.43	0.83	0.74	0.66	0.50	0.38
12	30K/40K/50K/57K	202	1.69	0.98	0.86	0.77	0.59	0.44
14	30K/40K/50K/57K	232	1.94	1.12	0.98	0.87	0.68	0.50
16	30K/40K/50K/57K	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA								
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.12
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.20
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

THE EDGE® Series Ambient Adjusted Lumen Maintenance[1]

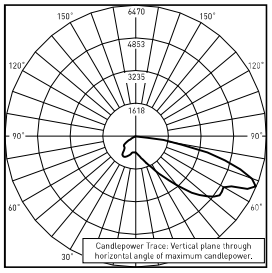
Ambient	CCT	Initial LMF	25K hr Reported[2] LMF	50K hr Reported[2] LMF	75K hr Reported[2] / Estimated[3] LMF	100K hr Estimated[3] LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03[2]	1.03
	TRL	1.06	1.06	1.06	1.06[3]	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02[2]	1.02
	TRL	1.04	1.04	1.04	1.04[3]	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01[2]	1.01
	TRL	1.03	1.03	1.03	1.03[3]	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99[2]	0.99
	TRL	1.01	1.01	1.01	1.01[3]	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98[2]	0.98
	TRL	1.00	1.00	1.00	1.00[3]	1.00

[1] Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package 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 IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.
[3] Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

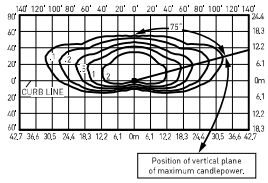
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: http://creelighting.com/products/outdoor/area/cree-edge-series-1

2MB



RESTL Test Report #: PL10023-003B
ARE-EDG-2MB-**-06-E-UL-525-40K
Initial Delivered Lumens: 7,784



ARE-EDG-2MB-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,185
Initial FC at grade

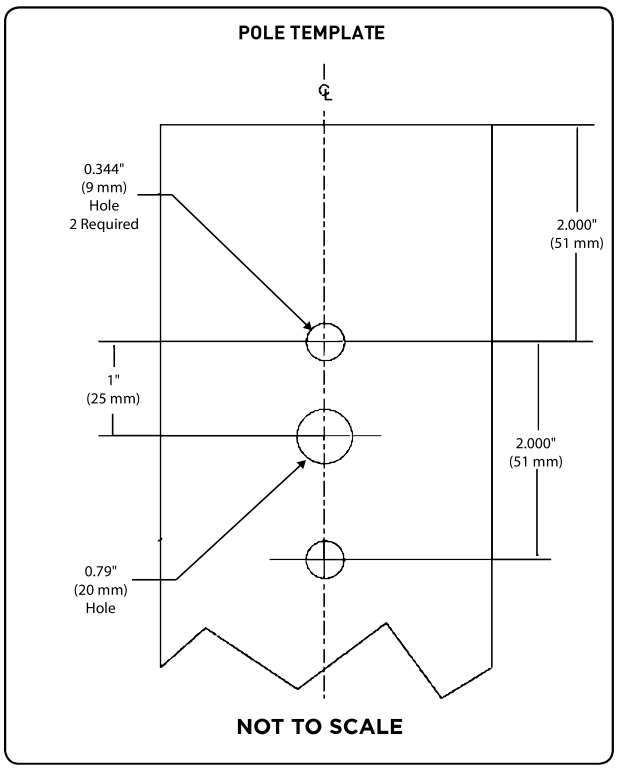
Type II Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B0 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G1	1,824	B0 U0 G1
08	6,170	B1 U0 G1	7,450	B1 U0 G2	5,664	B1 U0 G1	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B0 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
14	10,704	B1 U0 G2	12,924	B1 U0 G2	9,825	B1 U0 G2	13,181	B1 U0 G2	4,218	B1 U0 G1
16	12,233	B1 U0 G2	14,771	B1 U0 G3	11,229	B1 U0 G2	15,063	B1 U0 G3	4,820	B1 U0 G1
525mA										
02	2,217	B0 U0 G1	2,674	B0 U0 G1	2,035	B0 U0 G1	2,730	B0 U0 G1	N/A	
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1	N/A	
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G1	8,096	B1 U0 G2	N/A	
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2	N/A	
10	10,932	B1 U0 G2	13,185	B1 U0 G2	10,034	B1 U0 G2	13,461	B1 U0 G2	N/A	
12	13,118	B1 U0 G2	15,821	B2 U0 G3	12,041	B1 U0 G2	16,153	B2 U0 G3	N/A	
14	15,208	B1 U0 G3	18,341	B2 U0 G3	13,959	B1 U0 G2	18,726	B2 U0 G3	N/A	
16	17,380	B2 U0 G3	20,962	B2 U0 G3	15,953	B2 U0 G3	21,401	B2 U0 G3	N/A	
700mA										
02	2,615	B0 U0 G1	3,156	B0 U0 G1	2,400	B0 U0 G1	3,220	B0 U0 G1	N/A	
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2	N/A	
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2	N/A	

* 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.

Luminaire EPA

Fixed Arm Mount – ARE-EDG-DA						
LED Count (x10)	Single	2 @ 90˚	2 @ 180˚	3 @ 90˚	3 @ 120˚	4 @ 90˚
						
02	0.60	0.87	1.20	1.47	1.47	1.75
04	0.60	0.87	1.20	1.47	1.47	1.75
06	0.60	0.92	1.20	1.51	1.51	1.83
08	0.60	0.96 N/A with 3" poles	1.20	1.55 N/A with 3" poles	1.55	1.91 N/A with 3" poles
10	0.60	1.00 N/A with 3" poles	1.20	1.60 N/A with 3" poles	1.60	2.00 N/A with 3" poles
12	0.60	1.04 N/A with 3" poles	1.20	1.64 N/A with 3" poles	1.64	2.08 N/A with 3" poles
14	0.60	1.08 N/A with 3" or 4" poles	1.20	1.68 N/A with 3" or 4" poles	1.68	2.16 N/A with 3" or 4" poles
16	0.60	1.12 N/A with 3" or 4" poles	1.20	1.72 N/A with 3" or 4" poles	1.72	2.24 N/A with 3" or 4" poles
Fixed Arm Mount – ARE-EDG-DL						
02	0.75	1.02	1.50	1.77	1.77	1.91
04	0.75	1.02	1.50	1.77	1.77	1.91
06	0.75	1.07	1.50	1.82	1.82	1.98
08	0.75	1.11	1.50	1.86	1.86	2.04
10	0.75	1.15	1.50	1.90	1.90	2.10
12	0.75	1.19	1.50	1.94	1.94	2.16
14	0.75	1.23	1.50	1.98	1.98	2.22
16	0.75	1.27	1.50	2.02	2.02	2.28

Fixture Mounting Drill Pattern for DA and DL Mounts



THE EDGE® Series

LED Area/Flood Luminaire

IMEG FS3

Rev. Date: V14 06/24/2024

Product Description

THE EDGE® Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

Performance Summary

Patented NanoOptic® Product Technology

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: Up to 33,946 lumens

Input Power: 19 - 263 Watts

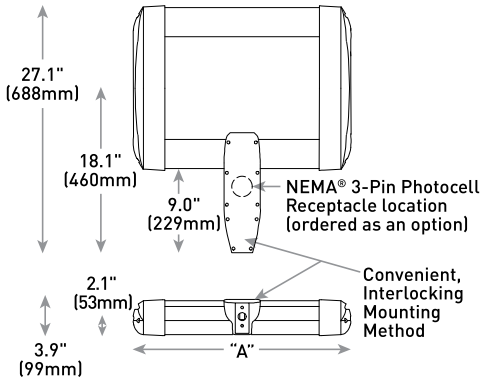
CRI: Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)

CCT: Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard

Limited Warranty†: 10 years for luminaire/10 years for Colorfast DeltaGuard® finish/5 years for PML sensors/1 year on accessories

† See https://www.creelighting.com/resources/warranties/ for warranty terms

DA Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions

Accessories

Field-Installed

Bird Spikes
XA-BRDSPK

Hand-Held Remote
XA-SENSREM
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Backlight Control Shields
XA-20BLS-4
- Four-pack
- Unpainted stainless steel

Shorting Cap
XA-XSLSHRT

NEMA® 3-Pin Photocell
C-ACC-A-PCELL-NEMA3-LV
- On/off functionality only
- Available with UL voltage only

Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

					E				
Family	**Optic**			**Mounting***	**LED Count (x10)**	**Series**	**Voltage**	**Finish**	**Drive Current**	**Options**
ARE-EDG	**2M** Type II Medium **2MB** Type II Medium w/BLS **2MP** Type II Medium w/Partial BLS **3M** Type III Medium	**3MB** Type III Medium w/BLS **3MP** Type III Medium w/Partial BLS **4M** Type IV Medium **4MB** Type IV Medium w/BLS	**4MP** Type IV Medium w/Partial BLS **5M** Type V Medium **5S** Type V Short	**AA** Adjustable Arm **DA** Direct Arm **DL** Direct Long Arm	**02** **04** **06** **08** **10** **12** **14** **16**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700** 700mA - Available with 20-60 LEDs	**DIM 0-10V Dimming** - ~~Control by others~~ - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML options **F Fuse** - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse **HL Hi/Low (Dual Circuit Input)** - Refer to HL spec sheet for details - Sensor not included **P Button Photocell** - Refer to PML spec sheet for availability with PML options - Available with UL voltage only **PML Programmable Multi-Level, 20-40' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **PML2 Programmable Multi-Level, 10-30' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **R NEMA® 3-Pin Photocell Receptacle** - 3-pin receptacle per ANSI C136.10 - Not available with SA mount - Intended for downlight applications with maximum 45° tilt - Requires photocell or shorting cap by others - Refer to PML spec sheet for availability with PML options **30K 3000K Color Temperature** - Minimum 80 CRI - Color temperature per luminaire **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire **50K 5000K Color Temperature** - Minimum 90 CRI - Color temperature per luminaire **TRL Amber Turtle Friendly LEDs** - Available only with 350mA - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance
FLD-EDG	**25** 25° Flood **40** 40° Flood	**70** 70° Flood **SN** Sign	**N6** NEMA® 6	**AA** Adjustable Arm **SA** Side Arm - Available with 20-60 LEDs						

* Reference EPA and pole configuration suitability data beginning on page 19

Website: creelighting.com
US: (800) 236-6800 **Canada:** (800) 473-1234

CREE LIGHTING®

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- 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. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

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
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga–20Ga) for easy power hookup
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximium 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

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
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- 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. Consult factory for additional details
- Assembled in the USA by Cree Lighting from US and imported parts
- Some configurations meet requirements of BAA and/or BABA. Consult factory when needed for a project: www.creelighting.com/BAA-BABA
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

LED Count (x10)	CCT	System Watts 120-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
350mA								
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.07
	TRL	19	0.16	0.09	0.08	0.07	0.05	0.04
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.12
	TRL	35	0.29	0.17	0.15	0.13	0.10	0.07
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.15
	TRL	50	0.41	0.24	0.21	0.18	0.14	0.10
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.20
	TRL	68	0.57	0.33	0.28	0.25	0.20	0.14
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.24
	TRL	83	0.69	0.40	0.35	0.30	0.24	0.17
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.28
	TRL	99	0.82	0.48	0.41	0.36	0.28	0.21
14	30K/40K/50K/57K	158	1.32	0.77	0.68	0.62	0.47	0.35
	TRL	120	1.00	0.58	0.50	0.43	0.34	0.25
16	30K/40K/50K/57K	179	1.49	0.87	0.77	0.68	0.53	0.39
	TRL	136	1.13	0.65	0.57	0.49	0.39	0.28
525mA								
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.10
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.16
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.22
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.28
10	30K/40K/50K/57K	171	1.43	0.83	0.74	0.66	0.50	0.38
12	30K/40K/50K/57K	202	1.69	0.98	0.86	0.77	0.59	0.44
14	30K/40K/50K/57K	232	1.94	1.12	0.98	0.87	0.68	0.50
16	30K/40K/50K/57K	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA								
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.12
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.20
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

THE EDGE® Series Ambient Adjusted Lumen Maintenance[1]

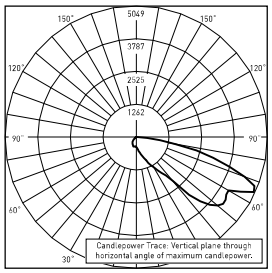
Ambient	CCT	Initial LMF	25K hr Reported[2] LMF	50K hr Reported[2] LMF	75K hr Reported[2] / Estimated[3] LMF	100K hr Estimated[3] LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03[2]	1.03
	TRL	1.06	1.06	1.06	1.06[3]	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02[2]	1.02
	TRL	1.04	1.04	1.04	1.04[3]	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01[2]	1.01
	TRL	1.03	1.03	1.03	1.03[3]	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99[2]	0.99
	TRL	1.01	1.01	1.01	1.01[3]	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98[2]	0.98
	TRL	1.00	1.00	1.00	1.00[3]	1.00

[1] Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package 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 IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.
[3] Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

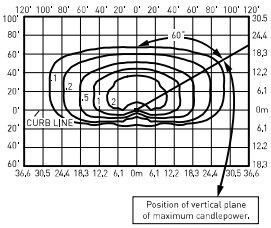
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: http://creelighting.com/products/outdoor/area/cree-edge-series-1

3MB



RESTL Test Report #: PL10023-001B
ARE-EDG-3MB-**-06-E-UL-525-40K
Initial Delivered Lumens: 7,602



ARE-EDG-3MB-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 12,275
Initial FC at grade

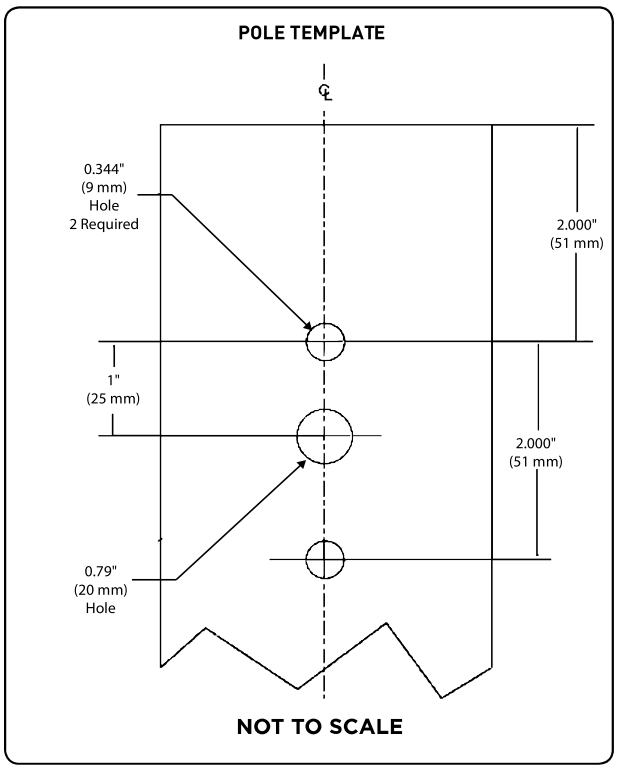
Type III Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
350mA										
02	1,453	B0 U0 G1	1,754	B0 U0 G1	1,334	B0 U0 G1	1,789	B0 U0 G1	572	B0 U0 G0
04	2,906	B0 U0 G1	3,508	B1 U0 G1	2,667	B0 U0 G1	3,578	B1 U0 G1	1,145	B0 U0 G1
06	4,309	B1 U0 G1	5,202	B1 U0 G1	3,955	B1 U0 G1	5,305	B1 U0 G1	1,698	B0 U0 G1
08	5,745	B1 U0 G2	6,936	B1 U0 G2	5,273	B1 U0 G1	7,074	B1 U0 G2	2,264	B0 U0 G1
10	7,164	B1 U0 G2	8,650	B1 U0 G2	6,576	B1 U0 G2	8,821	B1 U0 G2	2,823	B0 U0 G1
12	8,597	B1 U0 G2	10,380	B1 U0 G2	7,891	B1 U0 G2	10,585	B1 U0 G2	3,387	B1 U0 G1
14	9,966	B1 U0 G2	12,033	B1 U0 G2	9,148	B1 U0 G2	12,272	B1 U0 G2	3,927	B1 U0 G1
16	11,390	B1 U0 G2	13,752	B2 U0 G3	10,455	B1 U0 G2	14,025	B2 U0 G3	4,488	B1 U0 G1
525mA										
02	2,064	B0 U0 G1	2,489	B0 U0 G1	1,895	B0 U0 G1	2,542	B0 U0 G1	N/A	
04	4,128	B1 U0 G1	4,979	B1 U0 G1	3,789	B1 U0 G1	5,083	B1 U0 G1	N/A	
06	6,121	B1 U0 G2	7,383	B1 U0 G2	5,619	B1 U0 G2	7,538	B1 U0 G2	N/A	
08	8,162	B1 U0 G2	9,844	B1 U0 G2	7,492	B1 U0 G2	10,050	B1 U0 G2	N/A	
10	10,178	B1 U0 G2	12,275	B1 U0 G2	9,342	B1 U0 G2	12,532	B1 U0 G2	N/A	
12	12,213	B1 U0 G2	14,730	B2 U0 G3	11,211	B1 U0 G2	15,039	B2 U0 G3	N/A	
14	14,159	B2 U0 G3	17,077	B2 U0 G3	12,996	B1 U0 G2	17,434	B2 U0 G3	N/A	
16	16,181	B2 U0 G3	19,516	B2 U0 G3	14,853	B2 U0 G3	19,925	B2 U0 G3	N/A	
700mA										
02	2,435	B0 U0 G1	2,938	B1 U0 G1	2,235	B0 U0 G1	2,998	B1 U0 G1	N/A	
04	4,869	B1 U0 G1	5,876	B1 U0 G2	4,469	B1 U0 G1	5,996	B1 U0 G2	N/A	
06	7,220	B1 U0 G2	8,714	B1 U0 G2	6,628	B1 U0 G2	8,891	B1 U0 G2	N/A	

* 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.

Luminaire EPA

Fixed Arm Mount – ARE-EDG-DA						
LED Count (x10)	Single	2 @ 90˚	2 @ 180˚	3 @ 90˚	3 @ 120˚	4 @ 90˚
						
02	0.60	0.87	1.20	1.47	1.47	1.75
04	0.60	0.87	1.20	1.47	1.47	1.75
06	0.60	0.92	1.20	1.51	1.51	1.83
08	0.60	0.96 N/A with 3" poles	1.20	1.55 N/A with 3" poles	1.55	1.91 N/A with 3" poles
10	0.60	1.00 N/A with 3" poles	1.20	1.60 N/A with 3" poles	1.60	2.00 N/A with 3" poles
12	0.60	1.04 N/A with 3" poles	1.20	1.64 N/A with 3" poles	1.64	2.08 N/A with 3" poles
14	0.60	1.08 N/A with 3" or 4" poles	1.20	1.68 N/A with 3" or 4" poles	1.68	2.16 N/A with 3" or 4" poles
16	0.60	1.12 N/A with 3" or 4" poles	1.20	1.72 N/A with 3" or 4" poles	1.72	2.24 N/A with 3" or 4" poles
Fixed Arm Mount – ARE-EDG-DL						
02	0.75	1.02	1.50	1.77	1.77	1.91
04	0.75	1.02	1.50	1.77	1.77	1.91
06	0.75	1.07	1.50	1.82	1.82	1.98
08	0.75	1.11	1.50	1.86	1.86	2.04
10	0.75	1.15	1.50	1.90	1.90	2.10
12	0.75	1.19	1.50	1.94	1.94	2.16
14	0.75	1.23	1.50	1.98	1.98	2.22
16	0.75	1.27	1.50	2.02	2.02	2.28

Fixture Mounting Drill Pattern for DA and DL Mounts



THE EDGE® Series

LED Area/Flood Luminaire

IMEG FS4

Rev. Date: V14 06/24/2024

Product Description

THE EDGE® Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

Performance Summary

Patented NanoOptic® Product Technology

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: Up to 33,946 lumens

Input Power: 19 - 263 Watts

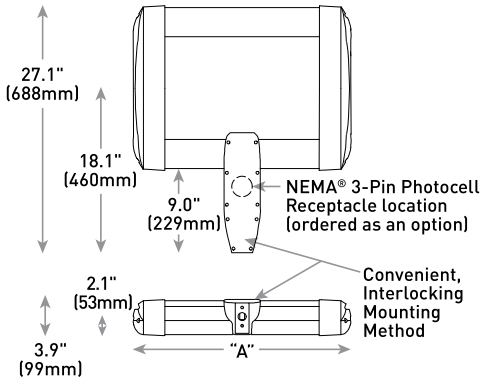
CRI: Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)

CCT: Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard

Limited Warranty†: 10 years for luminaire/10 years for Colorfast DeltaGuard® finish/5 years for PML sensors/1 year on accessories

† See https://www.creelighting.com/resources/warranties/ for warranty terms

DA Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions

Accessories

Field-Installed

Bird Spikes
XA-BRDSPK

Hand-Held Remote
XA-SENSREM
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Backlight Control Shields
XA-20BLS-4
- Four-pack
- Unpainted stainless steel

Shorting Cap
XA-XSLSHRT

NEMA® 3-Pin Photocell
C-ACC-A-PCELL-NEMA3-LV
- On/off functionality only
- Available with UL voltage only

Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

					E				
Family	**Optic**			**Mounting***	**LED Count (x10)**	**Series**	**Voltage**	**Finish**	**Drive Current**	**Options**
ARE-EDG	**2M** Type II Medium **2MB** Type II Medium w/BLS **2MP** Type II Medium w/Partial BLS **3M** Type III Medium	**3MB** Type III Medium w/BLS **3MP** Type III Medium w/Partial BLS **4M** Type IV Medium **4MB** Type IV Medium w/BLS	**4MP** Type IV Medium w/Partial BLS **5M** Type V Medium **5S** Type V Short	**AA** Adjustable Arm **DA** Direct Arm **DL** Direct Long Arm	**02** **04** **06** **08** **10** **12** **14** **16**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700** 700mA - Available with 20-60 LEDs	**DIM 0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML options **F Fuse** - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse **HL Hi/Low (Dual Circuit Input)** - Refer to HL spec sheet for details - Sensor not included **P Button Photocell** - Refer to PML spec sheet for availability with PML options - Available with UL voltage only **PML Programmable Multi-Level, 20-40' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **PML2 Programmable Multi-Level, 10-30' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **R NEMA® 3-Pin Photocell Receptacle** - 3-pin receptacle per ANSI C136.10 - Not available with SA mount - Intended for downlight applications with maximum 45° tilt - Requires photocell or shorting cap by others - Refer to PML spec sheet for availability with PML options **30K 3000K Color Temperature** - Minimum 80 CRI - Color temperature per luminaire **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire **50K 5000K Color Temperature** - Minimum 90 CRI - Color temperature per luminaire **TRL Amber Turtle Friendly LEDs** - Available only with 350mA - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance
FLD-EDG	**25** 25° Flood **40** 40° Flood	**70** 70° Flood **SN** Sign	**N6** NEMA® 6	**AA** Adjustable Arm **SA** Side Arm - Available with 20-60 LEDs						

* Reference EPA and pole configuration suitability data beginning on page 19

Website: creelighting.com
US: (800) 236-6800 **Canada:** (800) 473-1234

CREE LIGHTING®

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- 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. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

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
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga–20Ga) for easy power hookup
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximium 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

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
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- 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. Consult factory for additional details
- Assembled in the USA by Cree Lighting from US and imported parts
- Some configurations meet requirements of BAA and/or BABA. Consult factory when needed for a project: www.creelighting.com/BAA-BABA
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

LED Count (x10)	CCT	System Watts 120-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
350mA								
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.07
	TRL	19	0.16	0.09	0.08	0.07	0.05	0.04
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.12
	TRL	35	0.29	0.17	0.15	0.13	0.10	0.07
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.15
	TRL	50	0.41	0.24	0.21	0.18	0.14	0.10
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.20
	TRL	68	0.57	0.33	0.28	0.25	0.20	0.14
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.24
	TRL	83	0.69	0.40	0.35	0.30	0.24	0.17
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.28
	TRL	99	0.82	0.48	0.41	0.36	0.28	0.21
14	30K/40K/50K/57K	158	1.32	0.77	0.68	0.62	0.47	0.35
	TRL	120	1.00	0.58	0.50	0.43	0.34	0.25
16	30K/40K/50K/57K	179	1.49	0.87	0.77	0.68	0.53	0.39
	TRL	136	1.13	0.65	0.57	0.49	0.39	0.28
525mA								
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.10
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.16
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.22
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.28
10	30K/40K/50K/57K	171	1.43	0.83	0.74	0.66	0.50	0.38
12	30K/40K/50K/57K	202	1.69	0.98	0.86	0.77	0.59	0.44
14	30K/40K/50K/57K	232	1.94	1.12	0.98	0.87	0.68	0.50
16	30K/40K/50K/57K	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA								
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.12
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.20
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

THE EDGE® Series Ambient Adjusted Lumen Maintenance[1]

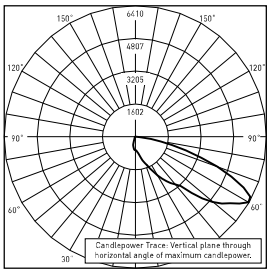
Ambient	CCT	Initial LMF	25K hr Reported[2] LMF	50K hr Reported[2] LMF	75K hr Reported[2] / Estimated[3] LMF	100K hr Estimated[3] LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03[2]	1.03
	TRL	1.06	1.06	1.06	1.06[3]	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02[2]	1.02
	TRL	1.04	1.04	1.04	1.04[3]	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01[2]	1.01
	TRL	1.03	1.03	1.03	1.03[3]	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99[2]	0.99
	TRL	1.01	1.01	1.01	1.01[3]	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98[2]	0.98
	TRL	1.00	1.00	1.00	1.00[3]	1.00

[1] Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package 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 IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.
[3] Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

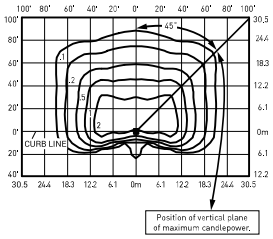
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: http://creelighting.com/products/outdoor/area/cree-edge-series-1

4MB



RESTL Test Report #: PL10023-002B
ARE-EDG-4MB-**-06-E-UL-525-40K
Initial Delivered Lumens: 7,985



ARE-EDG-4MB-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,185
Initial FC at grade

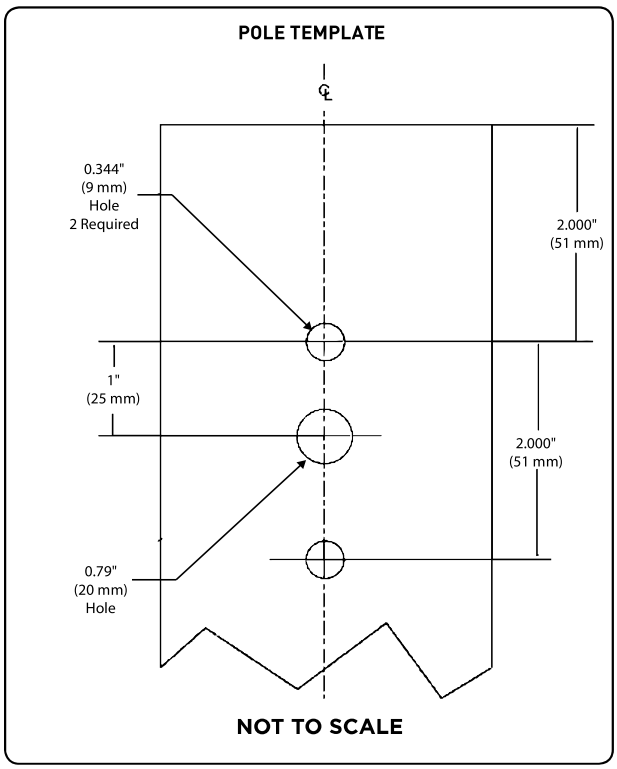
Type IV Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B1 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G2	1,824	B0 U0 G1
08	6,170	B1 U0 G2	7,450	B1 U0 G2	5,664	B1 U0 G2	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B1 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
14	10,704	B1 U0 G2	12,924	B1 U0 G2	9,825	B1 U0 G2	13,181	B1 U0 G2	4,218	B1 U0 G1
16	12,233	B1 U0 G2	14,771	B2 U0 G2	11,229	B1 U0 G2	15,063	B2 U0 G2	4,820	B1 U0 G1
525mA										
02	2,217	B1 U0 G1	2,674	B1 U0 G1	2,035	B1 U0 G1	2,730	B1 U0 G1	N/A	
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1	N/A	
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G2	8,096	B1 U0 G2	N/A	
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2	N/A	
10	10,932	B1 U0 G2	13,185	B1 U0 G2	10,034	B1 U0 G2	13,461	B2 U0 G2	N/A	
12	13,118	B1 U0 G2	15,821	B2 U0 G3	12,041	B1 U0 G2	16,153	B2 U0 G3	N/A	
14	15,208	B2 U0 G2	18,341	B2 U0 G3	13,959	B2 U0 G2	18,726	B2 U0 G3	N/A	
16	17,380	B2 U0 G3	20,962	B2 U0 G3	15,953	B2 U0 G3	21,401	B2 U0 G3	N/A	
700mA										
02	2,615	B1 U0 G1	3,156	B1 U0 G1	2,400	B1 U0 G1	3,220	B1 U0 G1	N/A	
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2	N/A	
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2	N/A	

* 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.

Luminaire EPA

Fixed Arm Mount – ARE-EDG-DA						
LED Count (x10)	Single	2 @ 90˚	2 @ 180˚	3 @ 90˚	3 @ 120˚	4 @ 90˚
						
02	0.60	0.87	1.20	1.47	1.47	1.75
04	0.60	0.87	1.20	1.47	1.47	1.75
06	0.60	0.92	1.20	1.51	1.51	1.83
08	0.60	0.96 N/A with 3" poles	1.20	1.55 N/A with 3" poles	1.55	1.91 N/A with 3" poles
10	0.60	1.00 N/A with 3" poles	1.20	1.60 N/A with 3" poles	1.60	2.00 N/A with 3" poles
12	0.60	1.04 N/A with 3" poles	1.20	1.64 N/A with 3" poles	1.64	2.08 N/A with 3" poles
14	0.60	1.08 N/A with 3" or 4" poles	1.20	1.68 N/A with 3" or 4" poles	1.68	2.16 N/A with 3" or 4" poles
16	0.60	1.12 N/A with 3" or 4" poles	1.20	1.72 N/A with 3" or 4" poles	1.72	2.24 N/A with 3" or 4" poles
Fixed Arm Mount – ARE-EDG-DL						
02	0.75	1.02	1.50	1.77	1.77	1.91
04	0.75	1.02	1.50	1.77	1.77	1.91
06	0.75	1.07	1.50	1.82	1.82	1.98
08	0.75	1.11	1.50	1.86	1.86	2.04
10	0.75	1.15	1.50	1.90	1.90	2.10
12	0.75	1.19	1.50	1.94	1.94	2.16
14	0.75	1.23	1.50	1.98	1.98	2.22
16	0.75	1.27	1.50	2.02	2.02	2.28

Fixture Mounting Drill Pattern for DA and DL Mounts



THE EDGE® Series

LED Area/Flood Luminaire

IMEG FS5

Rev. Date: V14 06/24/2024

Product Description

THE EDGE® Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

Performance Summary

Patented NanoOptic® Product Technology

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: Up to 33,946 lumens

Input Power: 19 - 263 Watts

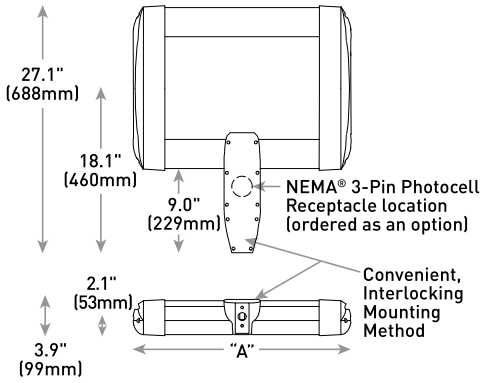
CRI: Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)

CCT: Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard

Limited Warranty†: 10 years for luminaire/10 years for Colorfast DeltaGuard® finish/5 years for PML sensors/1 year on accessories

† See https://www.creelighting.com/resources/warranties/ for warranty terms

DA Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions

Accessories

Field-Installed

Bird Spikes
XA-BRDSPK

Hand-Held Remote
XA-SENSREM
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Backlight Control Shields
XA-20BLS-4
- Four-pack
- Unpainted stainless steel

Shorting Cap
XA-XSLSHRT

NEMA® 3-Pin Photocell
C-ACC-A-PCELL-NEMA3-LV
- On/off functionality only
- Available with UL voltage only

Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

					E				
Family	**Optic**			**Mounting***	**LED Count (x10)**	**Series**	**Voltage**	**Finish**	**Drive Current**	**Options**
ARE-EDG	**2M** Type II Medium **2MB** Type II Medium w/BLS **2MP** Type II Medium w/Partial BLS **3M** Type III Medium	**3MB** Type III Medium w/BLS **3MP** Type III Medium w/Partial BLS **4M** Type IV Medium **4MB** Type IV Medium w/BLS	**4MP** Type IV Medium w/Partial BLS **5M** Type V Medium **5S** Type V Short	**AA** Adjustable Arm **DA** Direct Arm **DL** Direct Long Arm	**02** **04** **06** **08** **10** **12** **14** **16**	**E**	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA **700** 700mA - Available with 20-60 LEDs	**DIM 0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML options **F Fuse** - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse **HL Hi/Low (Dual Circuit Input)** - Refer to HL spec sheet for details - Sensor not included **P Button Photocell** - Refer to PML spec sheet for availability with PML options - Available with UL voltage only **PML Programmable Multi-Level, 20-40' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **PML2 Programmable Multi-Level, 10-30' Mounting Height** - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt **R NEMA® 3-Pin Photocell Receptacle** - 3-pin receptacle per ANSI C136.10 - Not available with SA mount - Intended for downlight applications with maximum 45° tilt - Requires photocell or shorting cap by others - Refer to PML spec sheet for availability with PML options **30K 3000K Color Temperature** - Minimum 80 CRI - Color temperature per luminaire **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire **50K 5000K Color Temperature** - Minimum 90 CRI - Color temperature per luminaire **TRL Amber Turtle Friendly LEDs** - Available only with 350mA - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance
FLD-EDG	**25** 25° Flood **40** 40° Flood	**70** 70° Flood **SN** Sign	**N6** NEMA® 6	**AA** Adjustable Arm **SA** Side Arm - Available with 20-60 LEDs						

* Reference EPA and pole configuration suitability data beginning on page 19

Website: creelighting.com
US: (800) 236-6800 **Canada:** (800) 473-1234

CREE LIGHTING®

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- 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. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

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
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga–20Ga) for easy power hookup
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximium 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

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
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- 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. Consult factory for additional details
- Assembled in the USA by Cree Lighting from US and imported parts
- Some configurations meet requirements of BAA and/or BABA. Consult factory when needed for a project: www.creelighting.com/BAA-BABA
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

LED Count (x10)	CCT	System Watts 120-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
350mA								
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.07
	TRL	19	0.16	0.09	0.08	0.07	0.05	0.04
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.12
	TRL	35	0.29	0.17	0.15	0.13	0.10	0.07
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.15
	TRL	50	0.41	0.24	0.21	0.18	0.14	0.10
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.20
	TRL	68	0.57	0.33	0.28	0.25	0.20	0.14
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.24
	TRL	83	0.69	0.40	0.35	0.30	0.24	0.17
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.28
	TRL	99	0.82	0.48	0.41	0.36	0.28	0.21
14	30K/40K/50K/57K	158	1.32	0.77	0.68	0.62	0.47	0.35
	TRL	120	1.00	0.58	0.50	0.43	0.34	0.25
16	30K/40K/50K/57K	179	1.49	0.87	0.77	0.68	0.53	0.39
	TRL	136	1.13	0.65	0.57	0.49	0.39	0.28
525mA								
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.10
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.16
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.22
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.28
10	30K/40K/50K/57K	171	1.43	0.83	0.74	0.66	0.50	0.38
12	30K/40K/50K/57K	202	1.69	0.98	0.86	0.77	0.59	0.44
14	30K/40K/50K/57K	232	1.94	1.12	0.98	0.87	0.68	0.50
16	30K/40K/50K/57K	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA								
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.12
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.20
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

THE EDGE® Series Ambient Adjusted Lumen Maintenance[1]

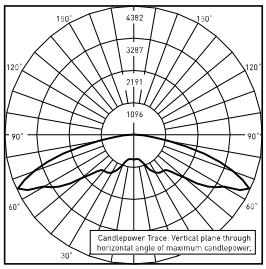
Ambient	CCT	Initial LMF	25K hr Reported[2] LMF	50K hr Reported[2] LMF	75K hr Reported[2] / Estimated[3] LMF	100K hr Estimated[3] LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03[2]	1.03
	TRL	1.06	1.06	1.06	1.06[3]	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02[2]	1.02
	TRL	1.04	1.04	1.04	1.04[3]	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01[2]	1.01
	TRL	1.03	1.03	1.03	1.03[3]	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99[2]	0.99
	TRL	1.01	1.01	1.01	1.01[3]	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98[2]	0.98
	TRL	1.00	1.00	1.00	1.00[3]	1.00

[1] Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package 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 IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.
[3] Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

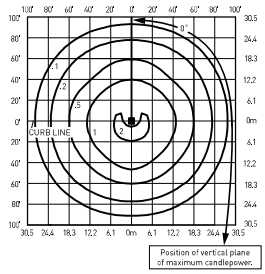
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: http://creelighting.com/products/outdoor/area/cree-edge-series-1

5M



RESTL Test Report #: PL09285-001
ARE-EDG-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,136



ARE-EDG-5M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 18,413
Initial FC at grade

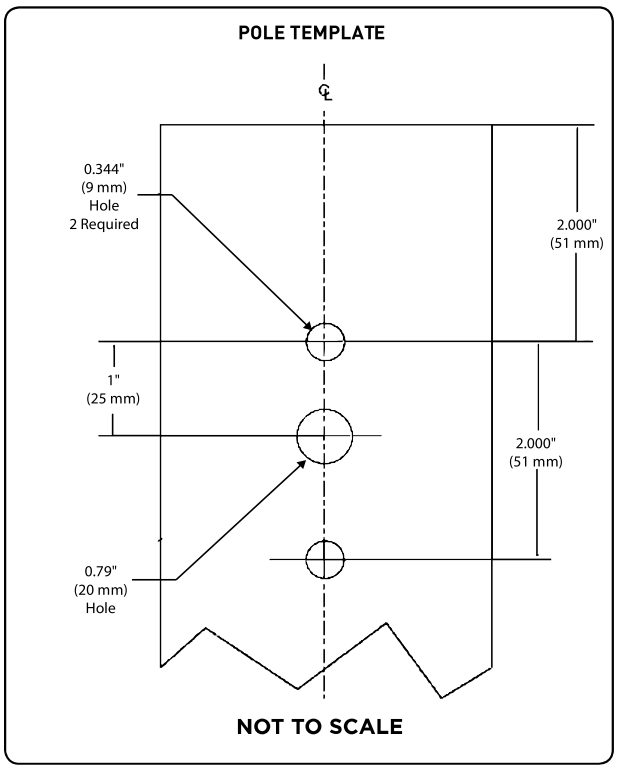
Type V Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
350mA										
02	2,179	B2 U0 G1	2,631	B2 U0 G1	2,000	B1 U0 G1	2,683	B2 U0 G1	859	B1 U0 G1
04	4,358	B3 U0 G1	5,262	B3 U0 G1	4,001	B2 U0 G1	5,367	B3 U0 G1	1,717	B1 U0 G1
06	6,463	B3 U0 G1	7,804	B3 U0 G2	5,932	B3 U0 G1	7,958	B3 U0 G2	2,547	B2 U0 G1
08	8,617	B3 U0 G2	10,405	B4 U0 G2	7,910	B3 U0 G2	10,611	B4 U0 G2	3,395	B2 U0 G1
10	10,746	B4 U0 G2	12,975	B4 U0 G2	9,864	B3 U0 G2	13,232	B4 U0 G2	4,234	B3 U0 G1
12	12,895	B4 U0 G2	15,570	B4 U0 G3	11,836	B4 U0 G2	15,878	B4 U0 G3	5,081	B3 U0 G1
14	14,949	B4 U0 G3	18,049	B4 U0 G3	13,722	B4 U0 G2	18,407	B4 U0 G3	5,890	B3 U0 G1
16	17,085	B4 U0 G3	20,628	B5 U0 G3	15,682	B4 U0 G3	21,037	B5 U0 G3	6,732	B3 U0 G2
525mA										
02	3,096	B2 U0 G1	3,734	B3 U0 G1	2,842	B2 U0 G1	3,812	B3 U0 G1	N/A	
04	6,192	B3 U0 G1	7,468	B3 U0 G2	5,684	B3 U0 G1	7,625	B3 U0 G2	N/A	
06	9,182	B3 U0 G2	11,074	B4 U0 G2	8,428	B3 U0 G2	11,306	B4 U0 G2	N/A	
08	12,243	B4 U0 G2	14,766	B4 U0 G2	11,238	B4 U0 G2	15,075	B4 U0 G3	N/A	
10	15,267	B4 U0 G3	18,413	B4 U0 G3	14,014	B4 U0 G2	18,799	B4 U0 G3	N/A	
12	18,320	B4 U0 G3	22,096	B5 U0 G3	16,816	B4 U0 G3	22,558	B5 U0 G3	N/A	
14	21,238	B5 U0 G3	25,615	B5 U0 G3	19,495	B4 U0 G3	26,151	B5 U0 G3	N/A	
16	24,272	B5 U0 G3	29,274	B5 U0 G3	22,280	B5 U0 G3	29,887	B5 U0 G3	N/A	
700mA										
02	3,652	B3 U0 G1	4,407	B3 U0 G1	3,352	B2 U0 G1	4,497	B3 U0 G1	N/A	
04	7,304	B3 U0 G2	8,814	B3 U0 G2	6,704	B3 U0 G2	8,993	B3 U0 G2	N/A	
06	10,831	B4 U0 G2	13,070	B4 U0 G2	9,941	B3 U0 G2	13,336	B4 U0 G2	N/A	

* 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.

Luminaire EPA

Fixed Arm Mount – ARE-EDG-DA						
LED Count (x10)	Single	2 @ 90˚	2 @ 180˚	3 @ 90˚	3 @ 120˚	4 @ 90˚
						
02	0.60	0.87	1.20	1.47	1.47	1.75
04	0.60	0.87	1.20	1.47	1.47	1.75
06	0.60	0.92	1.20	1.51	1.51	1.83
08	0.60	0.96 N/A with 3" poles	1.20	1.55 N/A with 3" poles	1.55	1.91 N/A with 3" poles
10	0.60	1.00 N/A with 3" poles	1.20	1.60 N/A with 3" poles	1.60	2.00 N/A with 3" poles
12	0.60	1.04 N/A with 3" poles	1.20	1.64 N/A with 3" poles	1.64	2.08 N/A with 3" poles
14	0.60	1.08 N/A with 3" or 4" poles	1.20	1.68 N/A with 3" or 4" poles	1.68	2.16 N/A with 3" or 4" poles
16	0.60	1.12 N/A with 3" or 4" poles	1.20	1.72 N/A with 3" or 4" poles	1.72	2.24 N/A with 3" or 4" poles
Fixed Arm Mount – ARE-EDG-DL						
02	0.75	1.02	1.50	1.77	1.77	1.91
04	0.75	1.02	1.50	1.77	1.77	1.91
06	0.75	1.07	1.50	1.82	1.82	1.98
08	0.75	1.11	1.50	1.86	1.86	2.04
10	0.75	1.15	1.50	1.90	1.90	2.10
12	0.75	1.19	1.50	1.94	1.94	2.16
14	0.75	1.23	1.50	1.98	1.98	2.22
16	0.75	1.27	1.50	2.02	2.02	2.28

Fixture Mounting Drill Pattern for DA and DL Mounts



BDLEDR12NK/D10

IMEG FS9 RAB

LED bollard with architectural quality and strength at an affordable price point. Cylindrical post with dome head. Available in 4 light pattern configurations including 360° (24W), 270°(18W), 180°(12W option) & 90°(12W standard).

Color: Black

Weight: 10.2 lbs

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.13A
208V	0.09A
240V	0.08A
277V	0.07A
Input Watts	12.1W

LED Info

Watts	12W
Color Temp	4000K (Neutral)
Color Accuracy	72 CRI
L70 Lifespan	100,000 Hours
Lumens	1,528 lm
Efficacy	126.3 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for wet locations. Suitable for mounting within 4 ft (1.2m) of the ground.

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

LED Characteristics

LEDs:
Long-life, high-efficiency, surface-mount LEDs

Color Consistency:
5-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:
LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 18W CFL

Optical

BUG Rating:
B1 U3 G1

Construction

Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

Thermal Management:
Cast aluminum Thermal Management system for optimal heat sinking. The BDLED is designed for cool operation, maximum efficiency and long life by minimizing LED junction temperature.

Housing:
Die-cast aluminum with extruded aluminum post

Lens:
Frosted vandal resistant polycarbonate

Reflector:
Vacuum-metalized polycarbonate

Gaskets:
High-temperature silicone gaskets seal out moisture gaskets seal out moisture

Anchor Bolt:
Anchor Bolt Dimension is available here.

Finish:
Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation

Mounting:
Four (4) anchor bolts provided for concrete pad mounting. Internal base support has leveling screws.

Other

California Title:
BDLEDR12 can be used to comply with 2016 Title 24 Part 6 when used with a remote mounted photosensor control. Select PCS900 (120V) or PCS1900/277 (277V) to order a photosensor accessory.

Technical Specifications (continued)

Patents:
The design of BLED is protected by patents in US, Canada & China

5-Year, No-Compromise Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

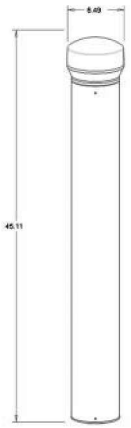
Electrical

Driver:
Constant Current, Class2, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 120V: 0.13A, 208V: 0.09A, 240V: 0.08A, 277V: 0.07A

THD:
9.15% at 120V, 15.64% at 277V

Power Factor:
99.14% at 120V, 93.2% at 277V

Dimensions



Features

- Patented base mount design for super sturdy installation
- Durable construction and frosted vandal-resistant polycarbonate lens
- Precision-engineered optics deliver maximum downward lighting without glare
- Four leveling screws provided for easy installation
- 100,000-hour LED lifespan

Ordering Matrix

Family	Wattage	Color Temp	Finish		Distribution	Driver	Dimming	Backup
BDLEDR	12	N	K	–			/D10	
	18 = 18W 270° Pattern **24 =** 24W 360° Pattern **12 =** 12W	**Blank =** 5000K Cool **N =** 4000K Neutral **Y =** 3000K Warm	**Blank =** Bronze **W =** White **K =** Black		**Blank =** Standard [1] **180 =** 180 degrees (12W only)	**Blank =** No Option (120-277V) **/480 =** 480V (24W only)	**Blank =** None (Standard) **/D10 =** 0-10V Dimming	**Blank =** No Battery Backup **/E =** Battery Backup (24W only) [3] **/EC =** Battery Backup Cold Weather (24W only) [3]

[1] *Standard Distributions: 24W = 360Â°, 18W = 270Â°, 12W = 90Â° **

[2] *480VAC available for 24W fixture versions - offered with /D10 dimming option as standard*

[3] *Only for 24W, 120-277VAC fixture versions*

Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____

selux

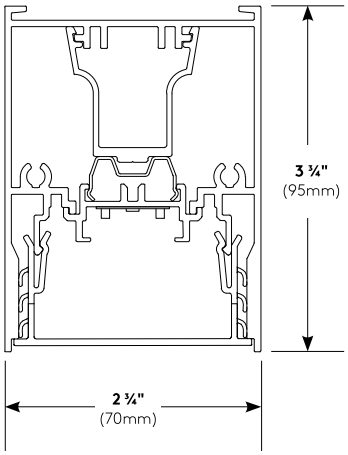
IMEG FS11

Peeta
LED Direct
IP65 Rated

Order Code: PT - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____

PT	Series	**PT** Peeta 70mm Multi-Mount Form
	Light Engine	**1D55** 80CRI-1076lm 90CRI-904lm 13.7W per foot **1D50** 80CRI-978lm 90CRI-822lm 12.4W per foot **1D45** 80CRI-881lm 90CRI-740lm 11.2W per foot **1D40** 80CRI-782lm 90CRI-657lm 9.9W per foot **1D35** 80CRI-684lm 90CRI-575lm 8.7W per foot **1D30** 80CRI-587lm 90CRI-493lm 7.3W per foot **1D25** 80CRI-489lm 90CRI-411lm 6.1W per foot **1D20** 80CRI-392lm 90CRI-329lm 4.9W per foot * Values calculated from a 4' fixture at 3500K, 90+ CRI using LW shielding and DIM driver. For additional information please see page 2 and page 9-10.
	CCT	**927** 2700K 90+ CRI **930** 3000K 90+ CRI **935** 3500K 90+ CRI **940** 4000K 90+ CRI **827** 2700K 80+ CRI **830** 3000K 80+ CRI **835** 3500K 80+ CRI **840** 4000K 80+ CRI **RGBW** RGBW LEDs (consult factory)
	Shielding	**LW** LED Optimized White Lens **NB** LMO Symmetric with Satine Lens **A2** LMO Asymmetric 20° Wall Washer with Satine Lens **A5** LMO Asymmetric 5° Wall Grazer with Satine Lens **BW** LMO Batwing with Satine Lens
	Mounting	**F** Surface Mount **W** Wall Mount **4RSE**[1] 4" Rigid Stem **2RSE**[1] 2" Rigid Stem [1] Not available with 3G Rated option
	Nominal Fixture Length	**01** 1 ft. **02** 2 ft. **03** 3 ft. **04** 4 ft. **05** 5 ft. **06** 6 ft. **07** 7 ft. **08** 8 ft. **09** 9 ft. **10** 10 ft. **11** 11 ft. **12** 12 ft. **XX**[2] Runs (over 12') and Configurations, round up to the nearest foot and replace the "xx" with the # (i.e. 15 = 15' nominal). [2] Runs are made out of 12' fixtures plus an end fixture. Ex: 42' Run is (3) 12' fixtures plus (1) 6' fixture. For other sections, consult factory.
	Finish	**Aluminum Finishes** **WH** White **BK** Black; Glossy **BL** Semi-Matte Black **SV** Silver **SP** Specify Premium Color **Faux Wood Finishes**[3] **CR** Charred Rosewood **WA** Weathered Walnut **RO** Red Olive **LC** Light Cherry **CH** Cream Cherry * Custom colors are available, please consult factory. [3] See page 7 for details
	Voltage	**1** 120V **2** 277V **U** 120V through 277V 50/60hz capable
	Driver	**DIM** 0-10V 10% (Linear) **DIL** eldoLED 1% ECOdrive 0-10V (Logarithmic) **DED** eldoLED 1% ECOdrive DALI-2 (Logarithmic) **D01** eldoLED 0.1% SOLOdrive 0-10V (Linear) **DL01** eldoLED 0.1% SOLOdrive 0-10V (Logarithmic) **D3G**[4] 0-10V 10% (Analog) for 3G Rating **DMX**[5] eldoLED POWERdrive (consult factory) [4] Only available with "3G" option is selected. Not available in fixtures shorter than 4 including Runs. [5] For use with RGBW only. Consult factory.
	Emergency Options	**EC** Emergency Circuit Wiring **CEM**[6,7,8] Cold Weather Emergency Battery Pack [6] Not available with 3G Rated option. [7] 7 Only availble in fixtures 4"+. [8] 7 DIMdriver only.
	Corner Options	**UT** Unlit "T" **UL** Unlit "L" **UX** Unlit "X" **UC** Unlit Custom Corner (consult factory)
	Options	**BA** BABAA compliance **3G**[9] 3G Rated [9] Only available with "D3G" driver selection.

BUY AMERICAN · BUILT AMERICA BUY AMERICA · 5 YEAR LED WARRANTY · ARRA Compliant · RoHS · UNION MADE IBEW LOCAL 363 · IP65 IK10 · 3G



Construction:

Housing - Continuous, low copper extruded aluminum profile with aluminum endcaps, available as individual fixtures (up to 12') or Runs.

Geartray - Low copper extruded aluminum profile.

Shielding - Tri-extruded, impact resistant acrylic (PMMA) snap-in lens - LED Optimized White Lens (LW) for even, diffuse illumination.
"LMO" refers to the Selux proprietary LED optical system - Light Modulation Optics. These lenses are offered in Peeta behind a tri-extruded Satine Lens for even illumination and comfortable lit appearance.
- "LMO" Symmetric Lens (NB)
- "LMO" Asymmetric 20° Wall Washer (A2)
- "LMO" Asymmetric 5° Wall Grazer (A5)
- "LMO" Batwing (BW)

Mounting - Surface (F), Wall (W), or Rigid Stem (RSE2 or RSE4) mounting. For other mountings please see Peeta Recessed and Catenary spec sheets.

Standard Luminaire lengths - All standard luminaires are supplied in nominal lengths to ensure full, even, illumination. Runs and Configurations are available in nominal 1' increments starting at the nominal 12' fixture length.
**Individual luminaires are not joinable in the field unless Run is selected.

Exact length luminaires - Individual luminaires, Runs, and Configurations are available in exact lengths to meet your project needs. Please consult factory with your requirements.
**Lens luminance may soften at the very ends of the straight sections for exact length luminaires.

Peeta Joiner(s) - Runs and Configurations are supplied in multiple housings that are joined together in the field using the supplied Peeta Joiner System. This allows ease of installation and ensures a uniform appearance and a sealed luminaire.

Weight: 2.4 lb. per foot.

Electrical/Performance:

LED Light Engine - Brand-name mid-power LEDs create quality, efficient light output.

Photometrics - Independent photometric lumen measurement complies with IES LM-79-08 testing procedures. Due to the LED manufacturer's tolerances, the listed output has a ±5% tolerance.

CCT - Available in 2700K, 3000K, 3500K, and 4000K, tolerance within a 3-step MacAdam ellipse.

CRI - 90+ or 80+ CRI.

All Drivers - High efficiency, constant current, soft start, Electronic Class 2 with a PFC>0.90.

Emergency - There multiple emergency options available - Emergency Circuit or integral Cold Weather Emergency Battery Pack. See page 7 for details.

Thermal Performance:

Ambient Operating Temperature - Luminaires are suitable for minimum ambient temperatures of -40°C (-40°F).

Luminaire Finish:

Powder Coat - All Selux luminaires are finished in high quality polyester powder coating in our Tiger Drylac certified facility and are tested in accordance with test specifications for coatings from ASTM and PCI.

All products undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated, and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention.

Standard interior colors are White (WH), Black; Glossy (BK) Semi-Matte Black (BL), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

Faux Wood Finishes - Five standard faux wood finishes provide an appealing aesthetic for your luminaires. The sublimation process (thermo-transfer printing) takes a polyester film and transfers the pattern onto pre-painted aluminum extrusion. End caps, trim plate, and mounting hardware will be painted Selux Semi-Matte Black finish to complete the sleek look. For other finishes and options, consult factory.

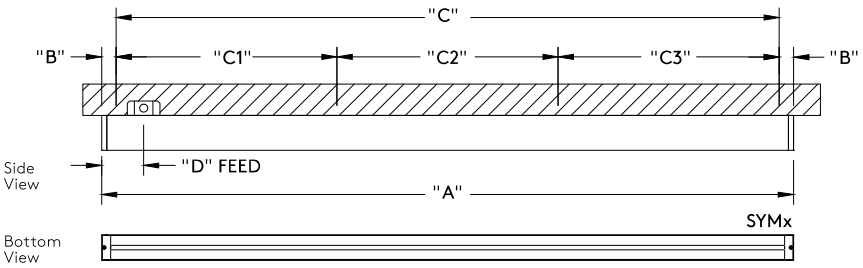
Warranty:

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Peeta luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED light engine when installed according to Selux instructions and operated within the ambient temperature. For additional details and exclusions, see "Selux Terms and Condition of Sale."

Certifications and Compliance:

ARRA Compliant
RoHS Compliant
IP65 Rated
IK10 Rated
BABAA Compliant
3G Rated (see restrictions on page 1)

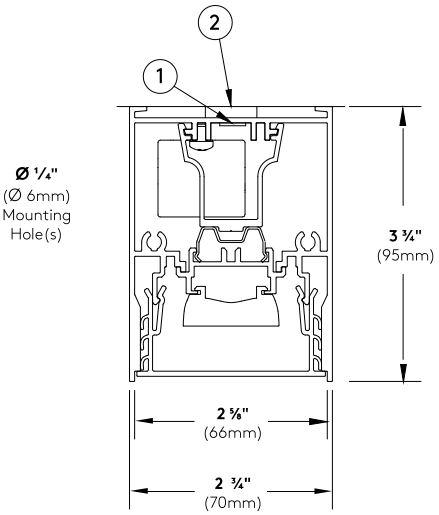
Surface Mounting (F) Can be mounted to ceiling or wall surface.



Surface Mount (F) Mounting - Dimensions														
Nominal Length	**"A" Housing Length**		**"B" End Suspensions**		**"C" Mid Suspension**		**"C1" Mid Suspension**		**"C2" Mid Suspension**		**"C3" Mid Suspension**		**"D" Feed Location**	
	Feet/Inch	**mm**	**Feet/Inch**	**mm**	**Feet/Inch**	**mm**	**Feet/Inch**	**mm**	**Feet/Inch**	**mm**	**Feet/Inch**	**mm**	**mm**	**mm**
01 (1 ft.)	1' - 1 7/8"	353	1 9/16"	MM	10 13/16"	275	N/A	N/A	N/A	N/A	N/A	N/A	4 1/2"	114
02 (2 ft.)	2' - 1 7/8"	658	1 9/16"	39	1' - 10 13/16"	580	N/A	N/A	N/A	N/A	N/A	N/A	4 1/2"	114
03 (3 ft.)	3' - 1 7/8"	962	1 9/16"	39	2' - 10 13/16"	884	N/A	N/A	N/A	N/A	N/A	N/A	4 1/2"	114
04 (4 ft.)	4' - 1 7/8"	1267	1 9/16"	39	3' - 10 13/16"	1189	N/A	N/A	N/A	N/A	N/A	N/A	4 1/2"	114
05 (5 ft.)	5' - 1 7/8"	1572	1 9/16"	39	4' - 10 13/16"	1494	N/A	N/A	N/A	N/A	N/A	N/A	4 1/2"	114
06 (6 ft.)	6' - 1 7/8"	1877	1 9/16"	39	N/A	N/A	2' - 11 7/16"	899	2' - 11 7/16"	899	N/A	N/A	4 1/2"	114
07 (7 ft.)	7' - 1 7/8"	2182	1 9/16"	39	N/A	N/A	3' - 5 7/16"	1052	3' - 5 7/16"	1052	N/A	N/A	4 1/2"	114
08 (8 ft.)	8' - 1 7/8"	2486	1 9/16"	39	N/A	N/A	3' - 11 7/16"	1204	3' - 11 7/16"	1204	N/A	N/A	4 1/2"	114
09 (9 ft.)	9' - 1 7/8"	2791	1 9/16"	39	N/A	N/A	4' - 5 7/16"	1357	4' - 5 7/16"	1357	N/A	N/A	4 1/2"	114
10 (10 ft.)	10' - 1 7/8"	3096	1 9/16"	39	N/A	N/A	3' - 3 5/8"	1006	3' - 3 5/8"	1006	3' - 3 5/8"	1006	4 1/2"	114
11 (11 ft.)	11' - 1 7/8"	3401	1 9/16"	39	N/A	N/A	3' - 7 5/8"	1108	3' - 7 5/8"	1108	3' - 7 5/8"	1108	4 1/2"	114
12 (12 ft.)	12' - 1 7/8"	3706	1 9/16"	39	N/A	N/A	3' - 11 5/8"	1209	3' - 11 5/8"	1209	3' - 11 5/8"	1209	4 1/2"	114

*Dimension(s) rounded to the nearest 1/16" with a ± 1/16" (1mm) tolerance.

Surface Mount (F)



1. 1/4" Mounting holes drilled at the factory (mounting hardware to code by others).
2. Feed gasket (by Selux)

Drivers

0-10V linear dimming (DIM)
Luminaires supplied with drivers offering the capability of either normal switched operation of 0-10V dimming for linear dimming curve. Fixtures are shipped wired for dimming. For on/off functionality, simply cap the dimming leads. Minimum dimming level preset at factory to 1%.

0-10V logarithmic eldoLED ECOdrive dimming (DIL)
Luminaires supplied with drivers offering the capability of either normal switched operation of 0-10V dimming for logarithmic dimming curve. Fixtures are shipped wired for dimming. For on/off functionality, simply cap the dimming leads. Minimum dimming level preset at factory to 1%.

eldoLED ECOdrive DALI-2 dimming (DED)
Luminaires supplied with ECOdrive DALI-2 dimming driver with logarithmic dimming curve. Minimum dimming level preset at factory to 1%. For "dim to dark" (down to 0.1%), please consult factory.

*For control recommendations, please contact driver manufacturer.

eldoLED SOLOdrive 0-10V linear dimming (D01)
Luminaires supplied with SOLOdrive 0-10V dimming driver with linear dimming curve. Minimum dimming level preset at factory to 0.1% and "dim to dark".

eldoLED SOLOdrive 0-10V logarithmic dimming (DL01)
Luminaires supplied with SOLOdrive 0-10V dimming driver with logarithmic dimming curve. Minimum dimming level preset at factory to 0.1% and "dim to dark".

0-10V OPTOTRONIC AstroDIM (D3G)
Luminaries supplied with drivers offering the capability of either normal switched operation or 0-10V dimming. Fixtures are shipped wired for dimming. For on/off functionality, simply cap the dimming leads. Drivers utilized in 3G fixture applications. Supports 10-100% Dimming.

LUTRON EcoSystem dimming (DE1)
Luminaires supplied with Hi-Lume EcoSystem (4 wire, digital link) dimming driver programmed for Constant Current Reduction (CCR). Minimum dimming level down to 1% (DE1) with SoftOn/FadeToBlack.

Driver power chart - Use below values to determine the nominal watts per foot based on driver, light engine, and voltage.
* Driver losses increase the wattage for fixtures less than 4 foot.
** Values are nominal values determined based on multiple tested fixtures.

Driver Power Usage			
Driver	**Light Engine**	**Nominal W/ft**	
		120V	**277V**
DIM, DIL, DED, D01, DL01, D3G	1D20	4.9	5.3
	1D25	6.1	6.5
	1D30	7.3	7.7
	1D35	8.7	8.9
	1D40	9.9	10.1
	1D45	11.1	11.3
	1D50	12.4	12.5
	ID55	13.6	13.7
DE1	1D20	5.5	5.2
	1D25	6.7	6.3
	1D30	8.0	7.6
	1D35	9.3	8.8
	1D40	10.5	10.0
	1D45	11.7	11.2
	1D50	13.0	12.4
	ID55	14.2	13.6

Emergency Wiring (EC) - EC luminaires are intended to be wired to separate panels/breakers for emergency use. See install instructions for proper wiring.

* For 2' to 6' nominal luminaires, the entire fixture is wired for operation on emergency circuit.

* For 7' and up nominal luminaires, the first 4' nominal length is wired for operation by a separate EM circuit by default to meet the required "Life Safety Code" (NFPA 101).

* If a different configuration is needed, please consult factory.

Note: Wiring may vary slightly due to on-site conditions or local codes. Please follow all safety installation protocols contained within install instructions when installing luminaire.

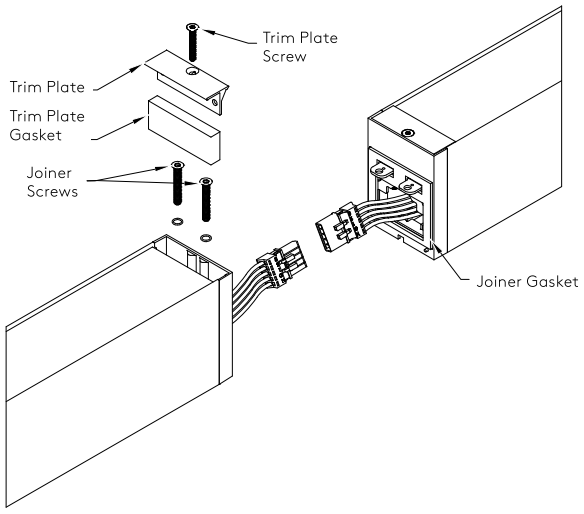
Cold Weather Emergency Battery (CEM) - Luminaries with integral cold-weather emergency battery option are provided with factory installed emergency battery and test switch button located on plate separate from fixture. For Runs, please indicate which 4' section is intended for emergency use, test switch will always be located on a separate plate requires feed location.

In the event of an emergency, CEM will illuminate a 4' fixture at 5W (constant) for 90 minutes at -20C. Recharge time of 24 hours. Available with DIM driver only, for use with UNV.

If a different configuration is needed, please consult factory.

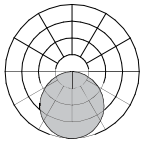
Not available in 3G applications.

Joiner System - Standard for Runs and Configurations.

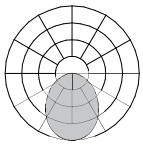


Faux Wood Finish - End caps, trim plate, and mounting hardware will be painted Selux Semi-Matte Black finish to complete the sleek look. For other finishes and options, consult factory.

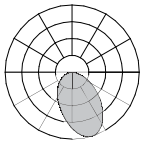
Photometry



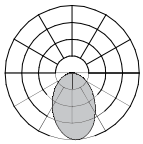
LW - LED Optimized White Lens				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1D20	1315	329	4.9	67
1D25	1643	411	6.1	67
1D30	1972	493	7.3	68
1D35	2301	575	8.7	66
1D40	2629	657	9.9	66
1D45	2958	740	11.2	66
1D50	3287	822	12.4	66
1D55	3615	904	13.7	66



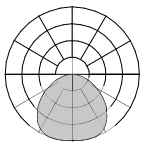
NB - LMO Symmetric				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1D20	1566	391	4.9	80
1D25	1957	489	6.1	80
1D30	2349	587	7.3	80
1D35	2740	685	8.7	79
1D40	3132	783	9.9	79
1D45	3523	881	11.2	79
1D50	3914	979	12.4	79
1D55	4306	1076	13.7	79



A2 - LMO Asymmetric 20° Wall Washer				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1D20	1542	385	4.9	79
1D25	1927	482	6.1	79
1D30	2313	578	7.3	79
1D35	2698	675	8.7	78
1D40	3084	771	9.9	78
1D45	3469	867	11.2	77
1D50	3854	964	12.4	78
1D55	4240	1060	13.7	77



A5 - LMO Asymmetric 5° Wall Grazer				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1D20	1753	438	4.9	89
1D25	2192	548	6.1	90
1D30	2630	658	7.3	90
1D35	3068	767	8.7	88
1D40	3507	877	9.9	89
1D45	3945	986	11.2	88
1D50	4383	1096	12.4	88
1D55	4822	1205	13.7	88



BW - LMO Batwing				
Light Engine	Lumens per 4 foot	Lumens per foot	Input watts per foot	lm/W
1D20	1753	438	4.9	89
1D25	2192	548	6.1	90
1D30	2630	658	7.3	90
1D35	3068	767	8.7	88
1D40	3507	877	9.9	89
1D45	3945	986	11.2	88
1D50	4383	1096	12.4	88
1D55	4822	1205	13.7	88

Peeta Direct	
Nominal CCT	CCT Multiplier
4000K	1.070
3500K	1.000
3000K	1.000
2700K	1.931

CRI Multiplier	
90+ CRI	1.00
80+ CRI	1.19

Lens Multiplier	
LW	1.00
NB	1.22
A2	1.26
A5	1.26
BW	1.00

CCT and CRI multipliers apply to the photometry, IES files, and per foot values listed on page 1 (light engine).

Lens multipliers supplied for per foot values listed on page 1 (light engine).

See IES files online for complete offering.