

Cree Edge® Series

LED Security Wall Pack Luminaire

Rev. Date: V6 08/29/2019

Product Description

The Cree Edge® wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring single gang J-Boxes. Secures to wall with four 3/16" (5mm) screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf/debris guard.

Applications: General area and security lighting

Performance Summary

Patented NanoOptic® Product Technology

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

CRI: Minimum 70 CRI

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

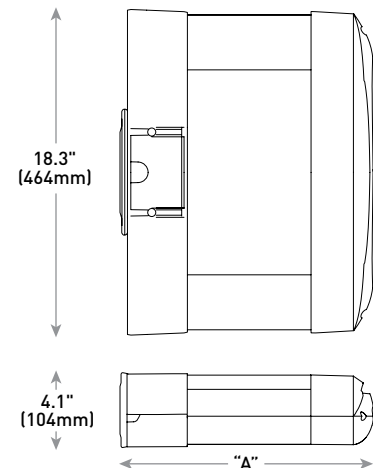
Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

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

Accessories

Field-Installed		
Bird Spikes XA-BRDSPK	Beauty Plate WM-PLT12** - 12" (305mm) Square WM-PLT14** - 14" (356mm) Square - Covers holes left by incumbent wall packs	Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

** Must specify color



LED Count (x10)	Dim. "A"	Weight
02	9.9" (251mm)	20 lbs. (9.1kg)
04	11.9" (303mm)	22 lbs. (10.0kg)
06	13.9" (353mm)	25 lbs. (11.3kg)
08	15.9" (404mm)	27 lbs. (12.2kg)
10	17.9" (455mm)	31 lbs. (14.1kg)
12	19.9" (505mm)	32 lbs. (14.5kg)

Ordering Information

Example: SEC-EDG-2M-WM-06-E-UL-SV-700

SEC-EDG		WM		E				
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
SEC-EDG	2M Type II Medium 2MB Type II Medium w/BLS 2S Type II Short 2SB Type II Short w/BLS 3M Type III Medium 3MB Type III Medium w/BLS 4M Type IV Medium 4MB Type IV Medium w/BLS	WM Wall Mount	02 04 06 08 10 12	E	UL Universal 120-277V UH Universal 347-480V 34 347V	BK Black BZ Bronze SV Silver WH White	350 350mA 525 525mA -Available with 20-80 LEDs 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 option P Photocell - Must specify UL or 34 voltage PML Programmable Multi-Level - Refer to PML spec sheet for details - Intended for downlight applications with 0° tilt 40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire



US: creelighting.com (800) 236-6800

Canada: creelighting-canada.com (800) 473-1234

CREE  **LIGHTING**

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications
- Housing is rugged aluminum
- Furnished with low copper, light weight mounting box designed for installation over standard and mud ring single gang J-Boxes
- Luminaire can also be direct mounted to a wall and surface wired
- Secures to wall with four 3/16" (5mm) screws (by others)
- Conduit entry from top, bottom, sides, and rear
- Allows mounting for uplight or downlight
- Designed and approved for easy through-wiring
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- **Weight:** See Dimensions and Weight Chart on page 1

ELECTRICAL SYSTEM

- **Input Voltage:** 120–277V or 347–480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral weathertight J-Box with leads (wire nuts) for easy power hook up
- 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
- Consult factory if in-luminaire fusing is required
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20LED (525 & 700 mA) and 40-120 LED: 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529 when ordered without P or PML options
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified with select SKUs. Refer to <https://www.designlights.org/search/> for most current information
- Meets Buy American requirements within ARRA
-  **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
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	46	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	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%

Cree Edge® Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimated 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 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.

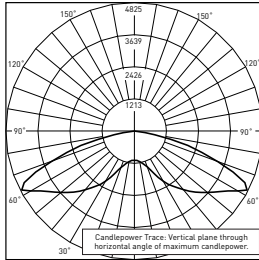
² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED

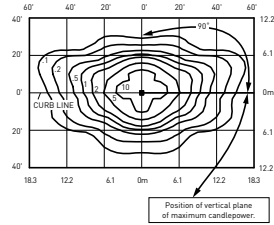
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/wall-mount/cree-edge-series-5>

2M



RESTL Test Report #: PL10270-004B
ARE-EDG-2M-**-06-E-UL-525-40K
Initial Delivered Lumens: 10,053



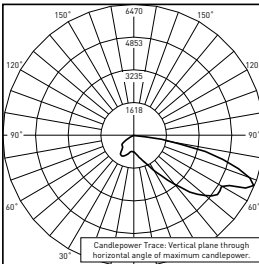
SEC-EDG-2M-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 12,425
Initial FC at grade

Type II Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,501	B1 U0 G1	2,551	B1 U0 G1
04	5,003	B1 U0 G1	5,102	B1 U0 G1
06	7,418	B2 U0 G2	7,565	B2 U0 G2
08	9,891	B2 U0 G2	10,087	B2 U0 G2
10	12,334	B2 U0 G2	12,578	B2 U0 G2
12	14,801	B3 U0 G3	15,094	B3 U0 G3
525mA				
02	3,550	B1 U0 G1	3,624	B1 U0 G1
04	7,099	B2 U0 G2	7,248	B2 U0 G2
06	10,527	B2 U0 G2	10,748	B2 U0 G2
08	14,037	B3 U0 G3	14,331	B3 U0 G3
700mA				
02	4,189	B1 U0 G1	4,275	B1 U0 G1
04	8,379	B2 U0 G2	8,549	B2 U0 G2
06	12,425	B2 U0 G2	12,678	B2 U0 G2

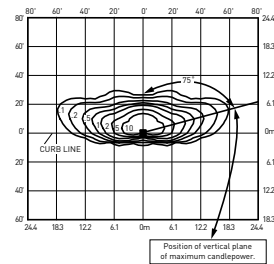
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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>

2MB



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



SEC-EDG-2MB-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 9,359
Initial FC at grade

Type II Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,884	B0 U0 G1	1,921	B0 U0 G1
04	3,768	B1 U0 G1	3,843	B1 U0 G1
06	5,588	B1 U0 G1	5,698	B1 U0 G1
08	7,450	B1 U0 G2	7,598	B1 U0 G2
10	9,291	B1 U0 G2	9,475	B1 U0 G2
12	11,149	B1 U0 G2	11,370	B1 U0 G2
525mA				
02	2,674	B0 U0 G1	2,730	B0 U0 G1
04	5,348	B1 U0 G1	5,460	B1 U0 G1
06	7,930	B1 U0 G2	8,096	B1 U0 G2
08	10,573	B1 U0 G2	10,794	B1 U0 G2
700mA				
02	3,156	B0 U0 G1	3,220	B0 U0 G1
04	6,311	B1 U0 G1	6,440	B1 U0 G1
06	9,359	B1 U0 G2	9,549	B1 U0 G2

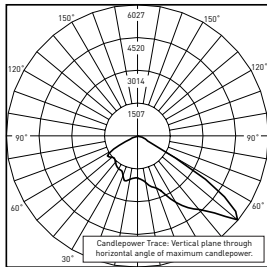
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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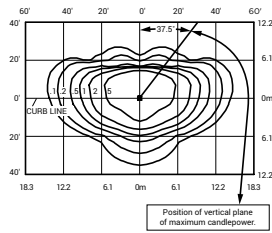
Photometry

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25



ITL Test Report #: 79175
SEC-EDG-2S-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,704



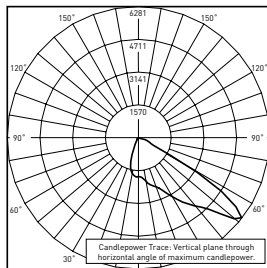
SEC-EDG-2S-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 13,232
Initial FC at grade

Type II Short Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,664	B1 U0 G1	2,716	B1 U0 G1
04	5,327	B2 U0 G2	5,433	B2 U0 G2
06	7,900	B2 U0 G2	8,056	B2 U0 G2
08	10,533	B3 U0 G3	10,742	B3 U0 G3
10	13,135	B3 U0 G3	13,395	B3 U0 G3
12	15,762	B3 U0 G3	16,074	B3 U0 G3
525mA				
02	3,780	B1 U0 G1	3,859	B1 U0 G1
04	7,560	B2 U0 G2	7,719	B2 U0 G2
06	11,211	B3 U0 G3	11,446	B3 U0 G3
08	14,948	B3 U0 G3	15,261	B3 U0 G3
700mA				
02	4,461	B1 U0 G1	4,552	B1 U0 G1
04	8,923	B2 U0 G2	9,104	B2 U0 G2
06	13,232	B3 U0 G3	13,501	B3 U0 G3

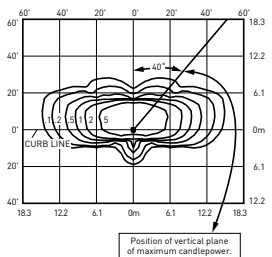
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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25B



CSA Test Report #: 6454
ARE-EDG-2SB-**-06-E-UL-700-40K
Initial Delivered Lumens: 9,202



SEC-EDG-2SB-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 10,166
Initial FC at grade

Type II Short Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,046	B0 U0 G1	2,087	B0 U0 G1
04	4,093	B1 U0 G1	4,174	B1 U0 G1
06	6,069	B1 U0 G1	6,190	B1 U0 G1
08	8,093	B1 U0 G1	8,253	B1 U0 G1
10	10,091	B2 U0 G2	10,291	B2 U0 G2
12	12,110	B2 U0 G2	12,350	B2 U0 G2
525mA				
02	2,904	B1 U0 G1	2,965	B1 U0 G1
04	5,809	B1 U0 G1	5,930	B1 U0 G1
06	8,613	B1 U0 G1	8,794	B1 U0 G1
08	11,484	B2 U0 G2	11,725	B2 U0 G2
700mA				
02	3,428	B1 U0 G1	3,497	B1 U0 G1
04	6,855	B1 U0 G1	6,995	B1 U0 G1
06	10,166	B2 U0 G2	10,373	B2 U0 G2

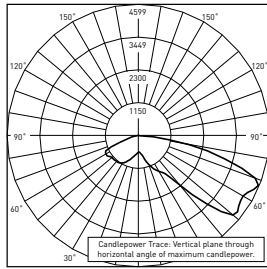
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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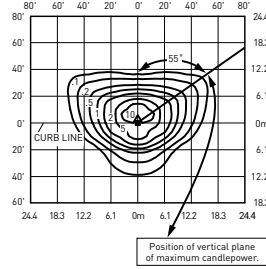
Photometry

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3M

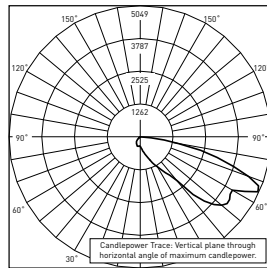


RESTL Test Report #: PL09405-001A
ARE-EDG-3M--06-E-UL-700-40K**
Initial Delivered Lumens: 9,460

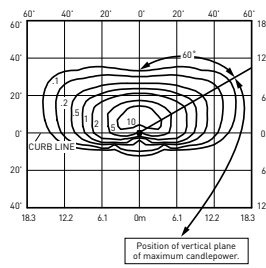


SEC-EDG-3M--06-E-UL-700-40K**
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 11,779
Initial FC at grade

3MB



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



SEC-EDG-3MB--06-E-UL-700-40K**
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 8,714
Initial FC at grade

Type III Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,371	B1 U0 G1	2,418	B1 U0 G1
04	4,743	B1 U0 G1	4,837	B1 U0 G1
06	7,033	B2 U0 G2	7,172	B2 U0 G2
08	9,377	B2 U0 G2	9,563	B2 U0 G2
10	11,693	B3 U0 G3	11,925	B3 U0 G3
12	14,032	B3 U0 G3	14,310	B3 U0 G3
525mA				
02	3,365	B1 U0 G1	3,436	B1 U0 G1
04	6,731	B2 U0 G2	6,872	B2 U0 G2
06	9,981	B3 U0 G3	10,190	B3 U0 G3
08	13,307	B3 U0 G3	13,586	B3 U0 G3
700mA				
02	3,972	B1 U0 G1	4,053	B1 U0 G1
04	7,944	B2 U0 G2	8,105	B2 U0 G2
06	11,779	B3 U0 G3	12,019	B3 U0 G3

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Type III Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,754	B0 U0 G1	1,789	B0 U0 G1
04	3,508	B1 U0 G1	3,578	B1 U0 G1
06	5,202	B1 U0 G2	5,305	B1 U0 G2
08	6,936	B1 U0 G2	7,074	B1 U0 G2
10	8,650	B1 U0 G2	8,821	B1 U0 G2
12	10,380	B1 U0 G3	10,585	B1 U0 G3
525mA				
02	2,489	B0 U0 G1	2,542	B0 U0 G1
04	4,979	B1 U0 G2	5,083	B1 U0 G2
06	7,383	B1 U0 G2	7,538	B1 U0 G2
08	9,844	B1 U0 G2	10,050	B1 U0 G3
700mA				
02	2,938	B1 U0 G1	2,998	B1 U0 G1
04	5,876	B1 U0 G2	5,996	B1 U0 G2
06	8,714	B1 U0 G2	8,891	B1 U0 G2

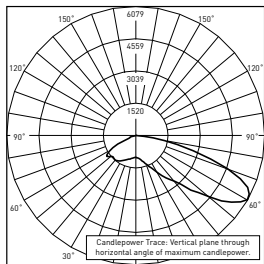
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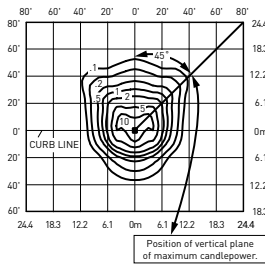
Photometry

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4M



RESTL Test Report #: PL10270-001B
ARE-EDG-4M-**-06-E-UL-525-40K
Initial Delivered Lumens: 10,483



SEC-EDG-4M-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 12,425
Initial FC at grade

Type IV Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,501	B1 U0 G1	2,551	B1 U0 G1
04	5,003	B2 U0 G1	5,102	B2 U0 G1
06	7,418	B2 U0 G2	7,565	B2 U0 G2
08	9,891	B2 U0 G2	10,087	B2 U0 G2
10	12,334	B3 U0 G3	12,578	B3 U0 G3
12	14,801	B3 U0 G3	15,094	B3 U0 G3
525mA				
02	3,550	B1 U0 G1	3,624	B1 U0 G1
04	7,099	B2 U0 G2	7,248	B2 U0 G2
06	10,527	B2 U0 G2	10,748	B2 U0 G2
08	14,037	B3 U0 G3	14,331	B3 U0 G3
700mA				
02	4,189	B1 U0 G1	4,275	B1 U0 G1
04	8,379	B2 U0 G2	8,549	B2 U0 G2
06	12,425	B3 U0 G3	12,678	B3 U0 G3

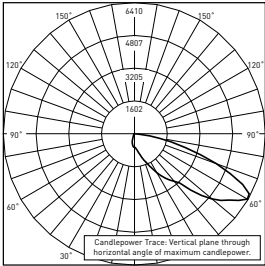
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Cree Edge® LED Security Wall Pack Luminaire

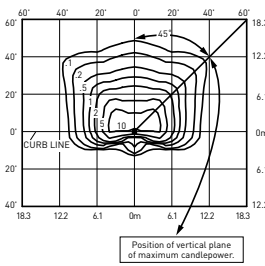
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/wall-mount/cree-edge-series-5>

4MB



RESTL Test Report #: PL01023-002B
ARE-EDG-4MB-**-06-E-UL-525-40K
Initial Delivered Lumens: 7,985



SEC-EDG-4MB-**-06-E-UL-700-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 9,359
Initial FC at grade

Type IV Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,884	B0 U0 G1	1,921	B0 U0 G1
04	3,768	B1 U0 G1	3,843	B1 U0 G1
06	5,588	B1 U0 G1	5,698	B1 U0 G2
08	7,450	B1 U0 G2	7,598	B1 U0 G2
10	9,291	B1 U0 G2	9,475	B1 U0 G2
12	11,149	B1 U0 G2	11,370	B1 U0 G2
525mA				
02	2,674	B0 U0 G1	2,730	B0 U0 G1
04	5,348	B1 U0 G1	5,460	B1 U0 G1
06	7,930	B1 U0 G2	8,096	B1 U0 G2
08	10,573	B1 U0 G2	10,794	B1 U0 G2
700mA				
02	3,156	B1 U0 G1	3,220	B1 U0 G1
04	6,311	B1 U0 G2	6,440	B1 U0 G2
06	9,359	B1 U0 G2	9,549	B1 U0 G2

* 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>