

# of LEDs	Dim. "A"
20	12.06" [306mm]
40	12.06" [306mm]
60	14.06" [357mm]
80	16.06" [408mm]
100	18.06" [459mm]
120	20.06" [510mm]
140	22.06" [560mm]
160	24.06" [611mm]
200	28.06" [713mm]
240	32.06" [814mm]

Notes:

Product	Family	Optic	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options	Drive Current Not Field Adjustable	Factory-Installed Options Please type additional options in manually on the lines provided above.
ARE	EDG	3M ¹ 3MB ²	AA ³	02 04 06 08 10 12 14 16 20 24	D	UL Universal 120-277V UH Universal 347-480V 12 12V 24 240V 27 277V 34 347V	SV Silver BK Black BZ Bronze PB Platinum Bronze WH White	350 350mA 525 ⁴ 525mA 700 ⁵ 700mA	43K 4300K Color Temperature ⁶ DIM 0-10V Dimming ^{7,8,9} F Fuse ^{10,11,12} HL Hi/Low (175/350/525, dual circuit input) ¹³ P Photocell ^{12,14} R NEMA Photocell Receptacle ^{12,15,16} ML Multi-Level (75/525) ¹³

Footnotes

1. IESNA Type III Medium distribution
2. IESNA Type III Medium distribution with backlight control
3. Adjustable arm for mounting to 2" (2-3/8" [60mm] O.D.) tenon
4. Available on fixtures with 20-160 LEDs
5. Available on fixtures with 20-60 LEDs
6. Color temperature per fixture; 6000K standard; minimum 70 CRI
7. Control by others
8. Refer to dimming spec sheet for availability and additional information
9. Can't exceed specified drive current. Consult factory if exceeding drive current is necessary
10. Not available when UH voltage is selected
11. When code dictates fusing use time delay fuse
12. Not available with all multi-level options. Refer to multi-level spec sheet for availability and additional information
13. Refer to multi-level spec sheet for availability and additional information
14. Must specify voltage other than UH
15. Intended for horizontal mounting
16. Photcell by others

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – Type III Medium @ 6000K	BUG Rating**			Initial Delivered Lumens – Type III Medium w/ backlight control @ 6000K	BUG Rating**			Initial Delivered Lumens – Type III Medium @ 4300K	BUG Rating**			Initial Delivered Lumens – Type III Medium w/ backlight control @ 4300K	BUG Rating**			System Watts @ 120V	Total Current @ 120V	Total Current @ 240V	Total Current @ 277V	Total Current @ 347V	Total Current @ 480V	L ₇₀ Hours* @ 25° C (77° F)	50K Hours Lumen Maintenance Factor* @ 15° C (59° F)
		B	U	G		B	U	G		B	U	G		B	U	G								
350mA Fixture Operating at 25° C (77° F)																								
20	1,814 (02)	1	1	1	1,342 (02)	0	1	1	1,672 (02)	1	1	1	1,237 (02)	0	1	1	26	0.20	0.11	0.10	0.09	0.07	>150,000	93%
40	3,628 (04)	1	1	1	2,683 (04)	1	1	1	3,343 (04)	1	1	1	2,473 (04)	0	1	1	47	0.40	0.21	0.19	0.15	0.12	>150,000	
60	5,371 (06)	2	2	2	3,973 (06)	1	2	1	4,950 (06)	2	2	2	3,662 (06)	1	2	1	68	0.58	0.30	0.26	0.20	0.16	>150,000	
80	7,161 (08)	2	2	2	5,298 (08)	1	2	2	6,600 (08)	2	2	2	4,882 (08)	1	2	1	90	0.77	0.38	0.34	0.26	0.20	>150,000	
100	8,929 (10)	3	3	3	6,605 (10)	1	3	2	8,230 (10)	2	2	2	6,098 (10)	1	2	2	111	0.95	0.47	0.42	0.32	0.24	>150,000	
120	10,715 (12)	3	3	3	7,926 (12)	1	3	2	9,876 (12)	3	3	3	7,305 (12)	1	3	2	132	1.15	0.56	0.50	0.38	0.28	>150,000	
140	12,444 (14)	3	3	3	9,205 (14)	1	3	2	11,469 (14)	3	3	3	8,484 (14)	1	3	2	157	1.34	0.67	0.61	0.47	0.35	149,000	
160	14,222 (16)	3	3	3	10,520 (16)	1	3	2	13,108 (16)	3	3	3	9,696 (16)	1	3	2	179	1.54	0.76	0.68	0.53	0.39	149,000	
200	17,778 (20)	3	3	3	13,151 (20)	2	3	3	16,385 (20)	3	3	3	12,120 (20)	1	3	2	221	1.92	0.95	0.84	0.65	0.48	149,000	
240	21,333 (24)	3	3	3	15,781 (22)	2	3	3	19,662 (24)	3	3	3	14,544 (24)	2	3	3	264	2.30	1.12	1.00	0.77	0.56	149,000	
525mA Fixture Operating at 25° C (77° F)																								
20	2,539 (02)	1	1	1	1,878 (02)	0	1	1	2,340 (02)	1	1	1	1,731 (02)	0	1	1	37	0.31	0.17	0.16	0.12	0.10	136,000	92%
40	5,079 (04)	2	2	2	3,757 (04)	1	2	1	4,681 (04)	2	2	2	3,462 (04)	1	2	1	70	0.57	0.29	0.26	0.21	0.16	136,000	
60	7,520 (06)	2	2	2	5,562 (06)	1	2	2	6,930 (06)	2	2	2	5,127 (06)	1	2	1	102	0.87	0.44	0.39	0.30	0.22	129,000	
80	10,026 (08)	3	3	3	7,417 (08)	1	3	2	9,240 (08)	3	3	3	6,835 (08)	1	3	2	133	1.14	0.56	0.49	0.39	0.29	129,000	
100	12,501 (10)	3	3	3	9,247 (10)	1	3	2	11,521 (10)	3	3	3	8,523 (10)	1	3	2	172	1.47	0.75	0.67	0.51	0.38	128,000	
120	15,001 (12)	3	3	3	11,097 (12)	1	3	2	13,826 (12)	3	3	3	10,227 (12)	1	3	2	204	1.76	0.88	0.78	0.60	0.44	128,000	
140	17,422 (14)	3	3	3	12,888 (14)	2	3	2	16,057 (14)	3	3	3	11,878 (14)	1	3	2	233	2.01	0.99	0.87	0.69	0.51	123,000	
160	19,911 (16)	3	3	3	14,729 (16)	2	3	2	18,351 (16)	3	3	3	13,575 (16)	2	3	3	265	2.29	1.11	0.98	0.78	0.57	123,000	
700mA Fixture Operating at 25° C (77° F)																								
20	3,102 (02)	1	1	1	2,281 (02)	0	1	1	2,858 (02)	1	1	1	2,102 (02)	0	1	1	50	0.42	0.22	0.20	0.15	0.12	111,000	90%
40	6,203 (04)	2	2	2	4,562 (04)	1	2	1	5,717 (04)	2	2	2	4,204 (04)	1	2	1	93	0.79	0.40	0.35	0.27	0.20	111,000	
60	9,185 (06)	3	3	3	6,754 (06)	1	3	2	8,465 (06)	2	3	2	6,225 (06)	1	2	2	137	1.18	0.59	0.51	0.39	0.29	111,000	

* For recommended lumen maintenance factor data see TD-13 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-07BugRatingsAddendum.pdf

NOTE: All data subject to change without notice.



General Description

Slim, low profile design minimizes wind load requirements. Fixture sides are rugged cast aluminum with integral, weather-tight LED driver compartments and high performance aluminum heatsinks. Adjustable mounting arm is rugged die cast aluminum and mounts to 2" (51mm) tenon. Includes leaf/debris guard. Five year limited warranty on fixture.

Electrical

Modular design accommodates varied lighting output from high power, white, 6000K (+/- 500K per full fixture), minimum 70 CRI, long life LED sources. Optional 4300K (+/- 300K per full fixture) also available. 120–277V 50/60 Hz, Class 1 LED drivers are standard. 347–480V 50/60 Hz driver is optional. LED drivers have power factor >90% and THD <20% at full load. Units provided with integral 10kV surge suppression protection standard. Integral weather-tight electrical box with terminal strips (12Ga - 20Ga) for easy power hook-up. Surge protection tested in accordance with IEEE/ANSI C62.41.2.

Testing & Compliance

UL listed in the U.S. and Canada for wet locations and enclosure classified IP66 per IEC 60529 when ordered without P or R options. Consult factory for CE Certified products. Certified to ANSI C136.31-2001 3G bridge & overpass vibration standards. RoHS Compliant.



Product qualified on the Design Lights Consortium ("DLC") Qualified Products List ("QPL") when ordered without backlight control shield.

Finish

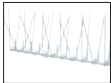
Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable silver powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Bronze, black, white and platinum bronze powder topcoats are also available. The finish is covered by our 10 year limited warranty.

Fixture and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.

Patents

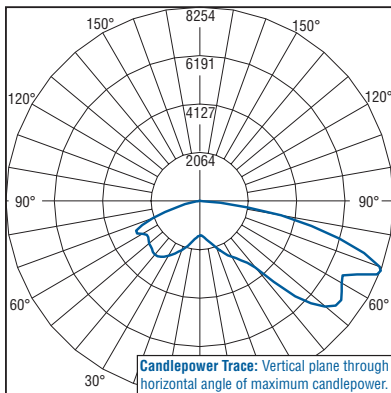
U.S. and international patents granted and pending. BetaLED is a division of Ruud Lighting, Inc. For a listing of Ruud Lighting, Inc. patents, visit www.uspto.gov.

Field-Installed Accessories



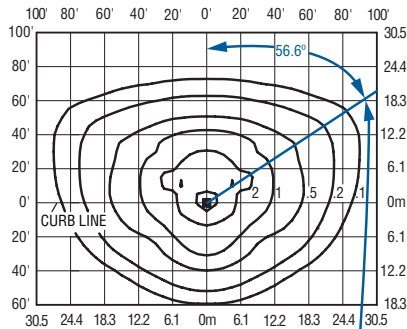
Bird Spikes
XA-BRDSPK

Photometrics



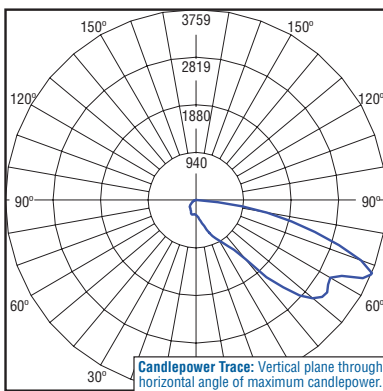
Candlepower Trace: Vertical plane through horizontal angle of maximum candlepower.

Independent Testing Laboratories certified test. Report No. ITL67871. Candlepower trace of 4300K, 160 LED Type III Medium area luminaire with 18,862 initial delivered lumens operating at 525mA. All published luminaire photometric testing performed to IESNA LM-79-08 standards.



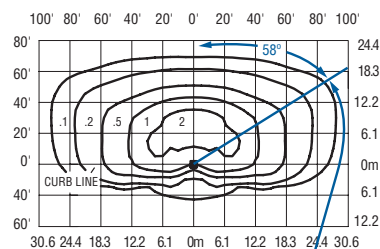
Position of vertical plane of maximum candlepower.

Isofootcandle plot of 4300K, 120 LED Type III Medium area luminaire at 25' (7.6m) A.F.G. Luminaire with 13,826 initial delivered lumens operating at 525mA. Initial FC at grade.



Candlepower Trace: Vertical plane through horizontal angle of maximum candlepower.

Independent Testing Laboratories certified test. Report No. ITL68539. Candlepower trace of 4300K, 40 LED Type III Medium w/ backlight control area luminaire with 5,084 initial delivered lumens operating at 525mA. All published luminaire photometric testing performed to IESNA LM-79-08 standards.



Position of vertical plane of maximum candlepower.

Isofootcandle plot of 4300K, 120 LED Type III Medium area luminaire at 25' (7.6m) A.F.G. Luminaire with 10,227 initial delivered lumens operating at 525mA. Initial FC at grade.

THE EDGE® EPA & Weight Calculations

# of LEDs	Approximate Weight 120–480V ¹	Adjustable Fitter Mount 0°				
		Single	2@ 180°	2@ 90°	3@ 90°	4@ 90°
20	21.0 lbs. (9.5kg)	0.66	1.31	0.98	1.64	1.97
40	23.8 lbs. (10.8kg)	0.66	1.31	0.98	1.64	1.97
60	27.1 lbs. (12.3kg)	0.66	1.31	1.02	1.68	2.05
80	28.2 lbs. (12.8kg)	0.66	1.31	1.07	1.72	2.13
100	35.4 lbs. (16.1kg)	0.66	1.31	1.11	1.76	2.21
120	33.5 lbs. (15.2kg)	0.66	1.31	1.15	1.80	2.29
140	36.9 lbs. (16.7kg)	0.66	1.31	1.19	1.84	2.38
160	41.4 lbs. (18.8kg)	0.66	1.31	1.23	1.89	2.46
200	43.3 lbs. (19.6kg)	0.66	1.31	1.31	1.97	2.62
240	47.8 lbs. (21.7kg)	0.74	1.48	n/a ²	n/a ²	n/a ²

1. Add 5 lbs. (2.3kg) for transformer in 347–480V fixtures when multi-level options are selected.
2. For applications requiring 240 LEDs at 90 degrees refer to the DL mount version of our spec sheet.

NOTE: All data subject to change without notice.

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Meets Buy American requirements within the ARRA.

