

# of LEDs	Dim. "A"
40	15.75"
60	17.75"
80	15.75"
100	17.75"
120	19.75"
140	21.75"
160	23.75"
180	25.75"
200	27.75"
220	29.75"
240	31.75"

Notes:

Product	Family	Optic in Degrees	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options	Factory-Installed Options
CAN	EDG	60°	DM ²	04 ³ 06 ⁴ 08 10 12 14 16 18 20 22 24	C	UL Universal 120–277V UH Universal 347–480V 12 120V 24 240V 27 277V 34 347V	SV Silver BK Black BZ Bronze PB Platinum Bronze WH White	Please type additional options in manually on the lines provided above. 43K 4300K Color Temperature ⁵ 525 525mA Drive Current ^{6,7} DIM 0–10V Dimming ^{8,9} F Fuse ¹⁰ HL Hi/Low (175/350/525, dual circuit input) ^{7,11,12} P Photocell ^{13–15} TL Two-Level (175/525 w/ integrated sensor control) ^{12,16,17} TL2 Two-Level (0/350 w/ integrated sensor control) ^{7,12} TL3 Two-Level (0/525 w/ integrated sensor control) ^{12,16,17}

Footnotes

- 1. Distribution similar to wide flood (60°)
- 2. Direct mount
- 3. Uses 80 LED size with two blanks in outside positions
- 4. Uses 100 LED size with two blanks in outside positions
- 5. Color temperature per fixture; minimum 70 CRI
- 6. Driver operates at 525mA instead of the standard 350mA providing a higher lumen output and a shorter life
- 7. Available on fixtures with 40–120 LEDs
- 8. Control by others
- 9. Please consult factory for availability
- 10. Not available with TL, TL2, or TL3 options when UH voltage is selected
- 11. Sensor not included
- 12. Refer to multi-level spec sheet for more information
- 13. Must specify voltage other than UL or UH
- 14. Not available with TL2 or TL3 options
- 15. Not available with HL or TL options when UH voltage is selected
- 16. Available on fixtures with 40–100 LEDs
- 17. Not available when UH voltage is selected

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – 60° Flood Optic @ 6000K	Initial Delivered Lumens – 60° Flood Optic @ 4300K	System Watts 120–277V	Total Current @ 120V	Total Current @ 230V	Total Current @ 277V	System Watts 347–480V*	Total Current @ 347V	Total Current @ 480V	L ₇₀ Hours** @ 25° C (77° F)
350mA (Standard) Fixture Operating at 25° C (77° F)										
40 ³	3,875 (04)	3,398 (04)	49	0.41	0.23	0.20	55	0.16	0.16	105,000
60 ⁴	5,812 (06)	5,098 (06)	71	0.60	0.32	0.28	77	0.22	0.20	105,000
80	7,749 (08)	6,797 (08)	93	0.78	0.41	0.35	99	0.29	0.23	105,000
100	9,686 (10)	8,496 (10)	116	0.98	0.52	0.43	123	0.35	0.28	105,000
120	11,624 (12)	10,195 (12)	139	1.17	0.61	0.52	146	0.42	0.33	105,000
140	13,561 (14)	11,895 (14)	164	1.39	0.74	0.63	172	0.50	0.37	105,000
160	15,498 (16)	13,594 (16)	186	1.58	0.83	0.71	195	0.56	0.41	105,000
180	17,436 (18)	15,293 (18)	211	1.77	0.93	0.79	220	0.63	0.47	105,000
200	19,373 (20)	16,992 (20)	233	1.97	1.03	0.87	243	0.70	0.51	105,000
220	21,310 (22)	18,692 (22)	256	2.16	1.13	0.95	267	0.77	0.56	105,000
240	23,247 (24)	20,391 (24)	279	2.35	1.23	1.03	291	0.84	0.61	105,000
525mA Fixture Operating at 25° C (77° F)										
40 ³	5,037 (04)	4,418 (04)	69	0.58	0.31	0.27	75	0.22	0.19	61,000
60 ⁴	7,555 (06)	6,627 (06)	110	0.92	0.49	0.41	116	0.33	0.27	61,000
80	10,074 (08)	8,836 (08)	138	1.16	0.62	0.54	145	0.42	0.32	61,000
100	12,592 (10)	11,045 (10)	177	1.49	0.79	0.68	186	0.53	0.40	61,000
120	15,111 (12)	13,254 (12)	217	1.82	0.96	0.81	226	0.65	0.48	61,000

* Utilizes magnetic step-down transformer

** For recommended lumen depreciation data see TD-13



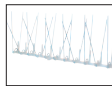
General Description

Slim, low profile, easy mounting below deck design. Luminaire sides are rugged cast aluminum with integral, weather-tight LED driver compartments and high performance aluminum heatsinks specifically designed for LED lighting application. J-Box sized to fit through existing 4-inch diameter mount holes and is designed for through wiring and wet location installations. Luminaire mounts directly to canopy with lag bolts (by others). When mounting to solid surfaces, Adaptor Plate Kit accessory is required. Mating surface is gasketed to prevent water leak through. Includes bug/bird guard. Five year limited warranty on fixture.

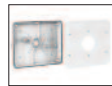
Electrical

Modular design accommodates varied lighting output from high power, white, 6000K (+/- 500K per full fixture), minimum 70 CRI, long life LED sources. 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% of full load. Units provided with integral 9kV surge suppression protection standard. Surge protection tested in accordance with IEEE C62.41.2 and ANSI standard 62.41.2.

Field-Installed Accessories



Bird Spikes
XA-BRDSPK



Adaptor Plate Kit
XA-CLSB16
For use when mounting fixture to solid surfaces.

Testing & Compliance

UL listed in the U.S. and Canada for wet locations and enclosure classified IP66 per IEC 529. Consult factory for CE Certified products. RoHS compliant. International Dark-Sky Association approved.

Finish

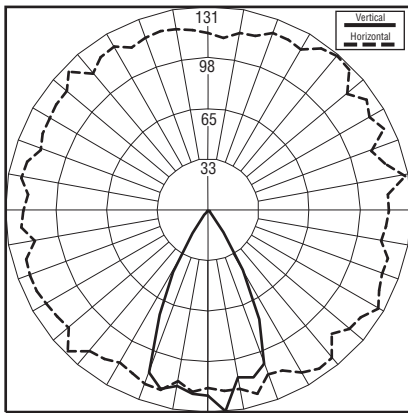
Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable silver powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Bronze, black, white and platinum bronze powder topcoats are also available. The finish is covered by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

Photometrics



PRELIMINARY
Candlepower trace of LED 60° flood canopy luminaire.

Coefficients of Utilization

Effective Floor Cavity Reflectance = 0.20

CC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	112	112	112	112	110	110	110	110	105	105	105	100	100	100	96	96	96	94
1	107	105	103	101	105	103	101	99	99	98	96	96	94	93	92	92	91	89
2	103	98	95	92	101	97	94	91	94	91	89	91	89	87	88	87	85	84
3	98	92	88	85	96	91	87	84	89	85	82	86	84	81	84	82	80	79
4	93	87	82	78	92	86	81	78	84	80	77	82	79	76	80	78	75	74
5	89	82	77	73	88	81	76	73	79	75	72	78	74	72	76	73	71	70
6	85	77	72	68	84	77	72	68	75	71	68	74	70	67	73	70	67	66
7	81	73	68	64	80	73	68	64	72	67	64	70	67	64	69	66	63	62
8	78	70	64	61	77	69	64	61	68	64	60	67	63	60	66	63	60	59
9	74	66	61	57	73	66	61	57	65	60	57	64	60	57	63	59	57	56
10	71	63	58	54	70	62	58	54	62	57	54	61	57	54	60	57	54	53

Luminance Data

Angle	Average (0°)	Average (45°)	Average (90°)
45°	1817	1802	1899
55°	2468	2087	2469
65°	584	582	748
75°	27	123	53
85°	0	0	0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	% Fixture
0-30	78.92	78.90	83.60
0-40	91.69	91.70	97.20
0-60	93.89	93.90	99.50
0-90	94.36	94.40	100.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
0-180	94.36	94.40	100.00

