

Notes:

Product	Family	Optic	Mounting	# of LEDs (x 10)	LED Series	Voltage	Color Options	Drive Current	Factory-Installed Options
STR	LWY	2M ¹	HT ²	10 11 12	D	UL Universal 120–277V UH Universal 347–480V	SV Silver ³ BK Black ³ BZ Bronze ³ PB Platinum Bronze ³ WH White ³	700 700mA (Standard) 525 525mA 350 350mA	IP IP66 Classification 43K 4300K Color Temperature ⁴ DIM 0–10V Dimming ^{5,6,7} F Fuse ^{8,9} HL Hi/Low (175/350/525, dual circuit input) ^{10,11} N No Quick Disconnect Harness or Leveling Bubble ¹² PD Power Door ¹³ R NEMA Photocell Receptacle ^{8,14} SC Door Safety Tether ¹⁵ ML Multi-Level (75/525) ¹⁰ UTL Utility ¹⁶

Footnotes

- IESNA Type II Medium distribution
- Horizontal tenon mount
- Light engine portion of extrusion is not painted and will remain natural aluminum regardless of color selection
- Color temperature per fixture; 6000K standard; minimum 70 CRI
- Control by others
- Refer to dimming spec sheet for availability and additional information
- Can't exceed the specified drive current. Consult factory if exceeding drive current is necessary.
- Not available with all multi-level options. Refer to multi-level spec sheet for availability and additional information
- When code dictates fusing use time delay fuse
- Refer to multi level spec sheet for availability and additional information
- Sensor not included
- Standard product features unless N option is specified
- All connections between door and fixture are shipped unconnected from the factory; door release spring included to open door automatically when the latches are released
- Photocell by others
- Stainless steel aircraft cable
- Includes exterior wattage label that reflect watts for the specified drive current selected.

LED PERFORMANCE SPECS

# of LEDs	Initial Delivered Lumens – Type II Medium @ 6000K	B U G			Initial Delivered Lumens – Type II Medium @ 4300K	B U G			System Watts 120–480V	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)
		Rating**				Rating**										
350mA Fixture Operating at 25° C (77° F)																
100	9,656 (10)	2	2	2	8,899 (10)	2	2	2	111	0.97	0.52	0.46	0.34	0.26	> 150,000	94%
110	10,559 (11)	3	2	3	9,731 (11)	2	2	2	122	1.08	0.58	0.51	0.37	0.28	> 150,000	
120	11,436 (12)	3	2	3	10,540 (12)	3	2	3	133	1.17	0.62	0.55	0.39	0.30	> 150,000	
525mA Fixture Operating at 25° C (77° F)																
100	13,518 (10)	3	3	3	12,459 (10)	3	3	3	163	1.42	0.74	0.65	0.50	0.37	139,000	93%
110	14,782 (11)	3	3	3	13,624 (11)	3	3	3	178	1.58	0.83	0.71	0.54	0.40	137,000	
120	16,011 (12)	3	3	3	14,756 (12)	3	3	3	195	1.70	0.89	0.76	0.58	0.43	133,000	
700mA (Standard) Fixture Operating at 25° C (77° F)																
100	16,898 (10)	3	3	3	15,574 (10)	3	3	3	228	1.96	1.02	0.86	0.67	0.49	116,000	91%
110	18,478 (11)	3	3	3	17,030 (11)	3	3	3	250	2.16	1.12	0.94	0.73	0.54	113,000	
120	20,013 (12)	3	3	3	18,445 (12)	3	3	3	272	2.31	1.26	1.01	0.79	0.58	108,000	

* 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.

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Made in the U.S.A. of U.S. and imported parts.
Meets Buy American requirements within the ARRA.



General Description

Fixture housing is all aluminum construction. Standard fixture utilizes terminal block for power input suitable for #2-#14 AWG wire and operates at 700mA. Drive current is field switchable. Fixture is designed to mount on 1.25" (32mm) IP (1.66" [42mm] O.D.) and/ or 2" (51mm) IP (2.375" [60mm] O.D.) horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for fixture leveling (includes two axis T-level to aid in this process). Fixture carries a limited five year warranty.

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 option is available. LED drivers have power factor >90% and THD <20% at full load. Quick disconnect harness suitable for mate and break under load provided on power feed to driver for ease of maintenance. Units provided with integral 10kV surge suppression protection standard. Surge protection tested in accordance with IEEE/ANSI C62.41.2.

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.

Testing & Compliance

UL listed in the U.S. and Canada for wet locations and enclosure classified IP66 per IEC 60529. Consult factory for CE Certified products. Meets CALTrans 611 Vibration Testing and GR-63-CORE Section 4.4.1/5.4.2 Earthquake Zone 4. Certified to ANSI C136.31-2001 bridge and overpass vibration standards. Dark Sky Friendly. IDA Approved. RoHS Compliant.

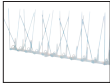
Product qualified on the Design Lights Consortium ("DLC") Qualified Products List ("QPL").



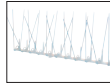
Patents

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

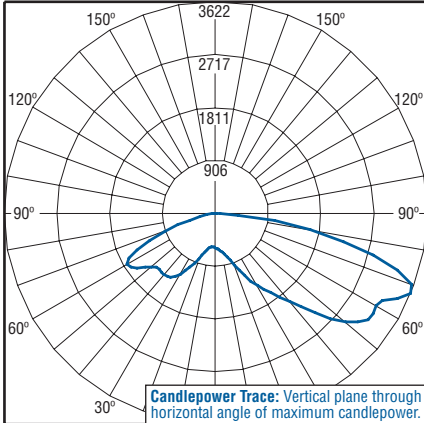


Bird Spikes for Light Engine
XA-BRDSPK120

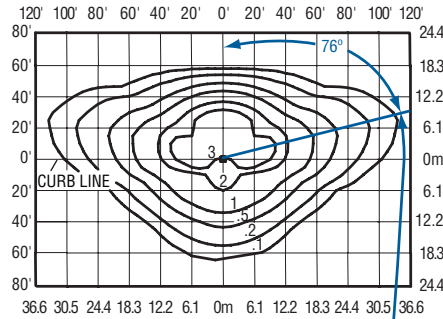


Bird Spikes Kit for Housing
XA-BRDSPKHSG

Photometrics



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



Position of vertical plane of maximum candlepower.

Independent Testing Laboratories certified test. Report No. ITL64223. Candlepower trace of 6000K, 40 LED LEDway Streetlight luminaire with IESNA Type II Medium distribution. Luminaire with 6,665 initial delivered lumens operating at 700mA. All published luminaire photometric testing performed to IESNA LM-79-08 standards.

Isofootcandle plot of 6000K, 120 LED LEDway Streetlight luminaire with IESNA Type II Medium distribution mounted at 25' (8m) A.F.G. Luminaire with 20,013 initial delivered lumens operating at 700mA. Initial FC at grade.

LEDway® EPA & Weight Calculations

Approximate Weight 120-480V¹	
100-120 LED fixture	24.0 lbs. (10.9kg)
EPA	
Horizontal Tenon Mount	
1 fixture	0.820
EPA	
Round External Mount / Square Internal Mount Horizontal Tenons with Fixture(s)	
PT-1H/PD-1H4	Single 1.040
PT-2H(90)/PD-2H4(90)	90° Twin 1.379
PT-2H(180)/PD-2H4(180)	180° Twin 1.860
PT-3H(90)/PD-3H4(90)	90° Triple 2.044
PT-3H(120)	120° Triple 1.824
PT-4H(90)/PD-4H4(90)	90° Quad 2.448
1. Add 5 lbs. (2.3kg) for transformer in 347-480V fixtures when multi-level options are selected.	

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