

STR-LWY-3M-HT-IP-07-12

Product Specifications

CONSTRUCTION & MATERIALS

- Housing is all aluminum construction
- Terminal block for power input suitable for #2-#14 AWG wire
- Luminaire is designed to mount on a 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon or 1.25" (32mm) IP, 1.66" (42mm) O.D. horizontal tenon when ordered with XA-XIL125IP accessory kit and is adjustable +/-5° to allow for luminaire leveling (two axis T-level included). Horizontal tenon must be minimum 8" (203mm) long
- 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. Standard is silver. Bronze, black, white, and platinum bronze are also available

ELECTRICAL SYSTEM

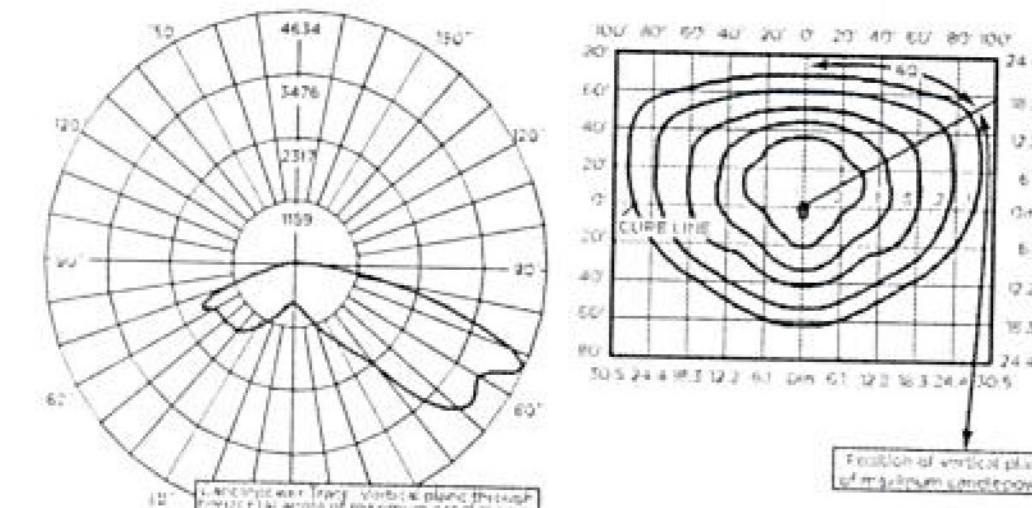
- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Quick disconnect harness suitable for mate and break under load provided on power feed to driver for ease of maintenance
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R or ML options
- Consult factory for CE Certified products
- Meets CALTrans 611 Vibration testing and GR-63-CORE Section 4.41/5.4.2 Earthquake Zone 4
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog as defined in ASTM Standard B 117
- Product qualified on the DesignLights Consortium ("DLC") Qualified Products List ("QPL") when ordered without full backlight control shield
- RoHS Compliant
- Meets Buy American requirements within ARRA

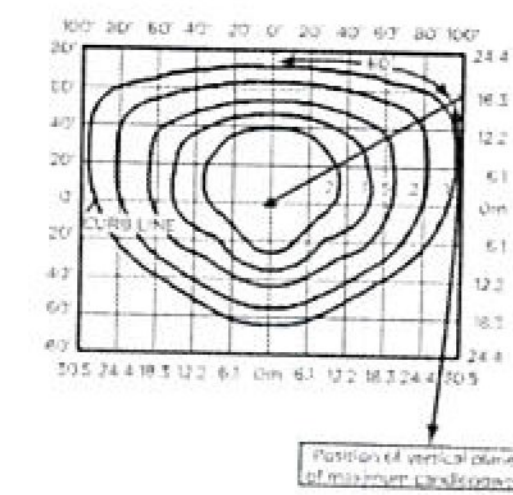
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



CESTL Test Report # 2013-0068
STR-LWY-3M-06-E-UL-700-40K
Initial Delivered Lumens: 10,430

STR-LWY-3M-09-E-UL-700
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 16,514
Initial FC at grade



STR-LWY-3M-12-E-UL-700
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 22,004
Initial FC at grade

IES Files
To obtain an IES file specific to your project consult:
<http://www.cree.com/lighting/tools-and-support/exterior-ies-configuration-tool>

Lumen Output, Electrical, and Lumen Maintenance Data

LED Count (x10)	Type III Medium Distribution										50K Hours Projected Lumen Maintenance Factor @ 15°C (59°F)**		
	5700K		4000K		System Watts 120-277V	System Watts 347-480V	TOTAL CURRENT						
	Initial Delivered Lumens	BUG Ratings* Per IES-011	Initial Delivered Lumens	BUG Ratings* Per IES-011			120V	208V	240V	277V		347V	480V
525mA @ 25°C (77°F)													
07	10,360	B3 U0 G3	9,985	B3 U0 G3	120	124	1.01	0.60	0.54	0.49	0.37	0.28	93%
08	11,797	B3 U0 G3	11,360	B3 U0 G3	139	140	1.17	0.69	0.62	0.56	0.41	0.31	
09	13,211	B3 U0 G3	12,727	B3 U0 G3	149	156	1.26	0.74	0.66	0.59	0.46	0.34	
10	14,762	B3 U0 G3	14,216	B3 U0 G3	167	172	1.31	0.82	0.73	0.65	0.50	0.39	
11	16,185	B3 U0 G3	15,536	B3 U0 G3	182	188	1.54	0.89	0.79	0.70	0.55	0.41	
12	17,004	B3 U0 G3	16,357	B3 U0 G3	197	202	1.67	0.86	0.66	0.76	0.59	0.44	
700mA @ 25°C (77°F)													
07	12,961	B3 U0 G3	12,481	B3 U0 G3	163	163	1.37	0.80	0.71	0.63	0.48	0.36	91%
08	14,746	B3 U0 G3	14,260	B3 U0 G3	182	186	1.53	0.89	0.79	0.70	0.54	0.40	
09	16,514	B3 U0 G3	15,902	B3 U0 G3	203	207	1.72	0.99	0.87	0.78	0.60	0.45	
10	18,352	B3 U0 G3	17,769	B3 U0 G3	227	229	1.92	1.11	0.97	0.86	0.67	0.49	
11	20,232	B3 U0 G3	19,483	B3 U0 G3	248	250	2.10	1.21	1.05	0.93	0.75	0.53	
12	22,004	B3 U0 G3	21,190	B3 U0 G3	267	274	2.26	1.30	1.13	1.00	0.80	0.56	

* For more information on the IES BUG (Backlight-Uniformity-Glare) Rating visit www.ies.org/PDF/Entra/THS-18BugRatingsAddendum.pdf
 ** Projected L₈₀ (10k, Hours) > 60,000 based on Series D LM-80 data. For recommended lumen maintenance factor data see TD-11. Cree classifies the Series E LED packages as "successor to previously tested sub-components" (Section 5.1 per Sep. 9, 2011 ENERGY STAR guidelines).
 See http://www.energy.gov/eere/buildings/downloads/luminaires/ENERGY_STAR_Final_Lumen_Maintenance_Guidance.pdf

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