

STR-LWY-3M-HT-02-06

LEDway® Street Light – Type III Medium – Horizontal Tenon Mount – 20–60 LEDs

WisDOT 'A'

BXUL9110&

STR-LWY-3M-HT-05-E-UL-SV-700-40K-7PIN-UTL

Product Description

Luminaire housing is all aluminum construction. Standard luminaire utilizes 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 and/or a 1.25" (32mm) IP, 1.66" (42mm) O.D. horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for luminaire leveling (two axis T-level included).

Performance Summary

Utilizes BetaLED® Technology

Patented NanoOptic® Product Technology

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

CRI: Minimum 70 CRI

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

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

EPA and Weight: Reference EPA and Weight spec sheet

Accessories

Field Installed Accessories

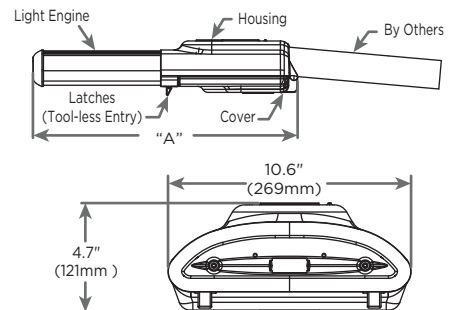
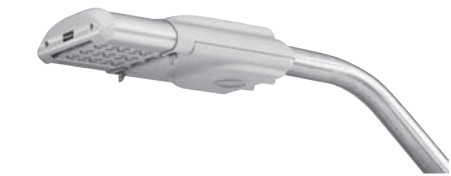
XA-BRDSPK30 (20-30 LEDs)

XA-XSLBLS30 (20-30 LEDs)

XA-BRDSPK60 (40-60 LEDs)
Bird Spikes for Light Engine

XA-XSLBLS60 (40-60 LEDs)
External Backlight Shield

XA-BRDSPKHSG
Bird Spikes for Housing



LED Count (x10)	Dimension	Measurements
02	"A"	17.5" (443mm)
03	"A"	17.5" (443mm)
04	"A"	22.0" (559mm)
05	"A"	22.0" (559mm)
06	"A"	22.0" (559mm)

Ordering Information

Example: STR-LWY-3M-HT-02-E-UL-SV-700-40K-7PIN-UTL

STR-LWY	3M	HT	05	E	UL	SV	700	40K-7PIN-UTL (+ WisDOT category label)
Product	Optic	Mounting	LED Count (x10)	Version	Voltage	Color Options*	Drive Current	Options (For additional options see IP66 spec sheet)
STR-LWY	3M Type III Medium	HT Horizontal Tenon	02 03 04 05 06	E	UL Universal 120–277V UH Universal 347–480V	SV Silver (Standard) BK Black BZ Bronze PB Platinum Bronze WH White	525** 525mA 700 700mA	40K 4000K Color Temperature - Color temperature per luminaire DIM 0–10V Dimming - Control by others - Refer to dimming spec sheet for details - Can't exceed specified drive current F Fuse - Not available with all ML options. Refer to ML spec sheet for availability with ML options - When code dictates fusing, use time delay fuse HL Hi/Low (175/350/525 Dual Circuit Input) - Refer to ML spec sheet for details - Sensor not included N No Quick Disconnect Harness or Leveling Bubble - Standard product features unless N option is specified PD Power Door - All connections between door and luminaire are shipped unconnected from the factory; door release spring included to open door automatically when the latches are released R NEMA Photocell Receptacle - Not available with all ML options. Refer to ML spec sheet for availability with ML options - Photocell by others - Intended for downlight applications at 0° tilt SC Door Safety Tether - Stainless steel aircraft cable UTL Utility - Includes exterior wattage label that reflects watts for the drive current selected. The ability to exceed selected drive current will be disabled

* See www.cree.com/lighting/products/warranty for warranty terms.

* Light engine portion of extrusion is not painted and will remain natural aluminum regardless of color selection. ** Available on luminaires with 30–60 LEDs.

7PIN: ANSI C136.41 receptacle



Rev. Date 03/22/2013



www.cree.com/lighting

T (800) 236-6800 F (262) 504-5415

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 and/or a 1.25" (32mm) IP, 1.66" (42mm) O.D. horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for luminaire leveling (two axis T-level included)
- 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

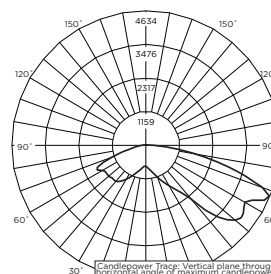
- Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- Power Factor:** > 0.9 at full load
- Total Harmonic Distortion:** < 20% at full load
- Quick disconnect harness suitable for mate and break under load provided on power feed to driver for ease of maintenance
- Integral 10kV surge suppression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

REGULATORY & VOLUNTARY QUALIFICATIONS

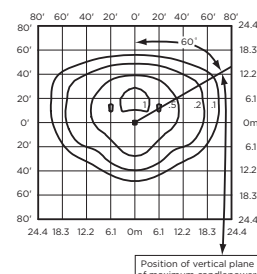
- cULus Listed
- Suitable for wet locations
- Consult factory for CE Certified products
- Meets CALTrans 611 Vibration testing and GR-63-CORE Section 4.4.1/5.4.2 Earthquake Zone 4
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10K surge suppression protection tested in 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

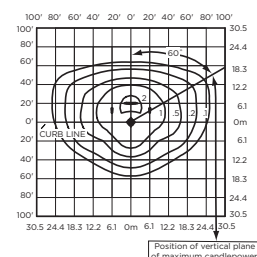
All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



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



STR-LWY-3M-HT-03-E-UL-700
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 5,600
Initial FC at grade



STR-LWY-3M-HT-06-E-UL-700
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 11,076
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

Type III Medium Distribution													
LED Count (x10)	5700K		4000K		System Watts 120-480V	System Watts 347-480V	TOTAL CURRENT						50K Hours Projected Lumen Maintenance Factor @ 15°C (59°F)**
	Initial Delivered Lumens	BUG Ratings* Per TM-15-11	Initial Delivered Lumens	BUG Ratings* Per TM-15-11			120V	208V	240V	277V	347V	480V	
					525mA @ 25°C (77°F)								
03	4,480	B1 U0 G1	4,314	B1 U0 G1	53	55	0.45	0.26	0.23	0.21	0.16	0.13	93%
04	5,985	B2 U0 G2	5,763	B2 U0 G2	66	71	0.56	0.33	0.29	0.26	0.21	0.16	
05	7,432	B2 U0 G2	7,156	B2 U0 G2	86	87	0.72	0.42	0.37	0.33	0.25	0.19	
06	8,861	B2 U0 G2	8,533	B2 U0 G2	100	103	0.84	0.49	0.43	0.38	0.30	0.22	
					700mA @ 25°C (77°F)								
02	3,771	B1 U0 G1	3,631	B1 U0 G1	47	51	0.39	0.23	0.21	0.19	0.15	0.12	91%
03	5,600	B2 U0 G2	5,392	B2 U0 G2	70	73	0.59	0.34	0.30	0.27	0.21	0.16	
04	7,481	B2 U0 G2	7,204	B2 U0 G2	91	93	0.77	0.45	0.39	0.35	0.27	0.20	
05	9,290	B3 U0 G3	8,945	B2 U0 G2	113	115	0.96	0.55	0.48	0.43	0.33	0.25	
06	11,076	B3 U0 G3	10,666	B3 U0 G3	134	135	1.13	0.65	0.57	0.50	0.39	0.29	

* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf.

** For recommended lumen maintenance factor data see TD-13. Calculated L_{m} based on 10,000 hours LM-80-08 testing: > 150,000 hours in accordance with guidelines describing "successors to previously tested subcomponents" (Section 5) per Sep 9, 2011 ENERGY STAR guidelines.

See http://www.energystar.gov/ia/partners/prod_development/new_specs/downloads/luminaires/ENERGY_STAR_Final_Lumen_Maintenance_Guidance.pdf.