

# Traveyo® Series

Traveyo® LED Street/Area Luminaire - Large

Rev. Date: V16 02/20/2023

## Product Description

The Cree Lighting Traveyo Series luminaire provides solid performance, future-ready engineering and a better than expected lighting experience. The TRVLG LED Street/Area luminaire offers a full range of optics and CCTs to meet the needs of the application while maintaining the familiarity of a traditional cobrahead design. Designed for easy installation, the Traveyo luminaire features tool-less entry, tool-less rotatable 7-pin photocell receptacle, T-level and +/- 5° fixture leveling.

**Applications:** Major roads, multi-lane highways, parking lots, and general area spaces

## Performance Summary

**Initial Delivered Lumens:** Up to 21,700

**Efficacy:** Up to 153 LPW

**CRI:** Minimum 70 CRI

**CCT:** 2700K, 3000K, 4000K, 5700K, Amber

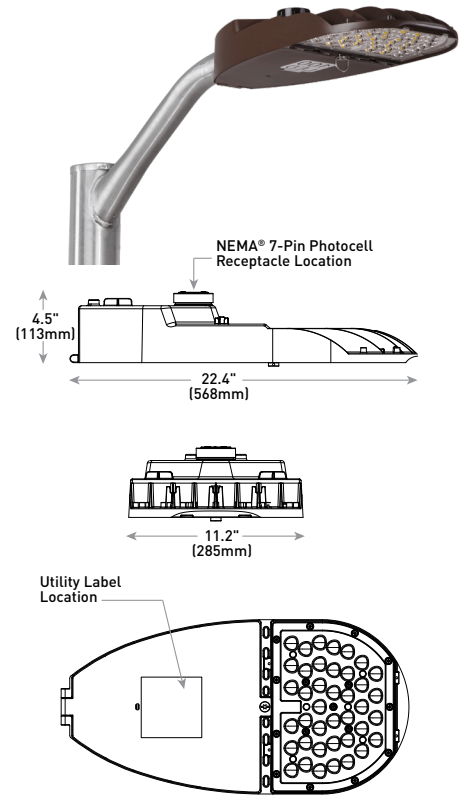
**Limited Warranty\*:** 5 years standard on luminaire and finish, 10 years optional on luminaire and finish, up to 5 years for Synapse® accessories, 1 year on accessories

Assembled in the USA by Cree Lighting from US and imported parts (except MX, ZC, and ZZ options)

\* See <http://creelighting.com/warranty> for warranty terms

## Accessories

Field-Installed	
<b>Bird Spikes</b> TRV-BRDGRDL	<b>Cul-De-Sac Shield</b> TRV-CLSL - Provides backlight and sidelight control - Black painted aluminum construction - Lumen multiplier (2ME/3ME/4ME): 0.75
<b>Backlight Control Shield</b> TRV-BLSL - Provides 1 mounting height cutoff - Black painted aluminum construction - Refer to initial delivered lumen tables for lumen output	<b>Front Light Shield</b> TRV-FLSL - Provides front light control - Black painted aluminum construction - Lumen multiplier (2ME/3ME): 0.91 - Lumen multiplier (4ME): 0.84
<b>Shorting Cap</b> XA-XSLSHRT	



## Weight

10.6 lbs. (4.8kg)

## Ordering Information

Example: TRVLG-A-HT-2ME-13L-27K7-UL-BK-N

TRVLG	A	HT	Optic	Lumen Package***	CCT/CRI	Voltage	Color Options	Utility Label/ Receptacle	N	Options
TRVLG Large	A	HT Horizontal Tenon	<b>Asymmetric</b> 2ME** Type II Medium 3ME** Type III Medium 4ME** Type IV Medium <b>Symmetric</b> 5ME Type V Medium	<b>13L</b> 13,000 Lumens <b>16L</b> 16,000 Lumens <b>20L</b> 20,000 Lumens <b>6L</b> 6,000 Lumens - Available only with TRL	<b>27K7</b> 2700K, 70 CRI <b>30K7</b> 3000K, 70 CRI <b>40K7</b> 4000K, 70 CRI <b>57K7</b> 5700K, 70 CRI <b>TRL</b> Turtle Friendly Amber LEDs, 625nm - Available only with 6L - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance	<b>UL</b> Universal 120-277V <b>UH</b> Universal 347-480V - Not available with TRL CCT	<b>BK</b> Black <b>BZ</b> Bronze <b>GY</b> Grey	<b>N</b> Utility Label and NEMA® 7-Pin Photocell Receptacle - External wattage label per ANSI C136.15 - 7-pin receptacle per ANSI C136.41 - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others	<b>20KV</b> 20kV/10kA Surge Suppression - Replaces standard 10kV/5kA surge protection <b>4BLT</b> 4-Bolt Mounting - Mounts to 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon <b>MX</b> Shipment to Mexico - Refer to Traveyo Logistics Options table on page 2 for details and availability <b>Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1</b> Field Adjustable Output (details pages 8-10) - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Not available with TRL CCT - Requires photocell or shorting cap by others <b>W10</b> 10-Year Limited Luminaire/Finish Warranty <b>ZC</b> Shipment to Canada - Refer to Traveyo Logistics Options table on page 2 for details and availability <b>ZZ</b> International Shipment - Refer to Traveyo Logistics Options table on page 2 for details and availability	

\* Reference EPA and pole configuration suitability data on pages 6-7

\*\* Available with Backlight Shield when ordered with field-installed accessory (see table above)

\*\*\* Lumen Package codes identify approximate light output only. Actual lumen output levels may vary depending on CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values



US: [creelighting.com](http://creelighting.com) (800) 236-6800

Canada: [creelighting-canada.com](http://creelighting-canada.com) (800) 473-1234

**CREE** ⇄ **LIGHTING**

**Product Specifications**

**CONSTRUCTION & MATERIALS**

- Die cast LM6 (A413) aluminum housing and door
- Stainless steel (304) hardware
- Tool-less entry
- Mounts on 1.25" [32mm] IP, 1.66" [42mm] O.D. or 2" [51mm] IP, 2.375" [60mm] O.D. horizontal tenon (minimum 5.9" [150mm] in length) and is adjustable +/- 5° to allow for fixture leveling (includes two axis T-level to aid in leveling)
- Luminaire secures with two 304 stainless steel mounting bolts; optional four bolt mounting available
- N option includes Utility Label per ANSI C136.15 and 7-pin NEMA® Photocell Receptacle per ANSI C136.41
- **Weight:** 10.6 lbs. (4.8kg)

**ELECTRICAL SYSTEM**

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz
- **Power Factor:** > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load
- Integral 10kV/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush
- Straight-in wiring to 6-14 AWG terminal block
- Designed with 0-10V dimming capabilities. Controls by others
- **10V Source Current:** 0.15mA
- **Operating Temperature Range:** 13L & 16L: -40°C - +50°C (-40°F - +122°F); 20L: -40°C - +45°C (-40°F - +113°F)

**REGULATORY & VOLUNTARY QUALIFICATIONS**

- cULus Listed
- Suitable for wet locations
- NOM Certified when ordered with MX option or ZZ option shipping to Mexico.
- Optic and LED area tested to IP66 per IEC 60598-1
- Certified to ANSI C136.31-2010, 3G bridge and overpass vibration standards
- Meets CALTrans 611 Vibration testing
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire was subjected to the Mixed Flowing Gas for Electrical Contacts Test according to following specifications: ASTM B 845-97, ANSI NCSL Z540-1 3, ISO 17025:2005. No lumen maintenance or color maintenance degradation was noted during testing
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with TRL, 27K7 or 30K7 CCTs. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information
- IK09 rated housing and IK10 rated lens per IEC 62262:2002
- Assembled in the USA by Cree Lighting from US and imported parts (except MX, ZC, and ZZ options)
- Meets Buy American requirements within ARRA (except MX, ZC, and ZZ options)
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm - [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

**Product Specifications**

**SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL FOR NON-STREET LIGHTING APPLICATIONS ONLY**

The Traveyo Series is compatible with the Synapse® SimplySNAP platform. A highly intuitive connected lighting solution for Site and Area applications only. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. Using a Twist-Lock Lighting Controller and Site Controller, SimplySnap provides: energy productivity, code compliance and a better light experience for non-street lighting installations. SimplySNAP is optimized to create and manage networks for campus wide Area and Site applications which differs from networking requirements for street lighting applications.

Synapse Wireless Control Accessories (for Non-Street Lighting Applications only)	
<b>Twist-Lock Lighting Controller</b> TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to <a href="#">TL7-B2</a> spec sheet for details <b>Twist-Lock Lighting Controller</b> TL7-HVG - Suitable for 120-480V (UL and UH) voltage - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to <a href="#">TL7-HVG</a> spec sheet for details <b>SimplySNAP Central Base Station</b> CBS5W-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to <a href="#">CBS5W-450-002</a> spec sheet for details	<b>Synapse Wireless Sensor</b> WSN-DPM - Motion and light sensor - Control multiple zones - Refer to <a href="#">WSN-DPM</a> spec sheet for details <b>SimplySNAP On-Site Controller</b> SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to <a href="#">SS450-002</a> spec sheet for details <b>Building Management System (BMS) Gateway</b> BMS-GW-002 - Required for BACnet integration - Refer to <a href="#">BMS-GW-002</a> spec sheet for details <b>Outdoor Antennas</b> <b>(Optional, for increased range, 8dB gain)</b> KIT-ANT420SM - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to <a href="#">Outdoor antenna spec sheet</a> for details

Electrical Data*									
Lumen Package	CCT/CRI	System Watts 120-480V**	Utility Label Wattage	Total Current (A)					
				120V	208V	240V	277V	347V**	480V**
6L	TRL	84	80	0.71	0.41	0.36	0.31	N/A	N/A
13L	27K7, 30K7, 40K7, 57K7	96	100	0.81	0.46	0.40	0.35	0.29	0.21
16L		110	110	0.92	0.53	0.46	0.40	0.33	0.24
20L		150	150	1.27	0.72	0.62	0.54	0.44	0.32

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%. \*\* 347-480V not available with TRL.

Traveyo® Series Ambient Adjusted Lumen Maintenance <sup>1</sup>						
Ambient	CCT/CRI	Initial LMF	36K hr Reported <sup>2</sup> LMF	50K hr Reported <sup>2</sup> LMF	75K hr Reported <sup>2</sup> LMF	100K hr Reported <sup>2</sup> LMF
5°C (41°F)	TRL	1.14	1.03	1.00	0.96	0.91
	27K7, 30K7, 40K7, 57K7	1.01	0.94	0.92	0.88	0.84
10°C (50°F)	TRL	1.10	1.00	0.97	0.92	0.88
	27K7, 30K7, 40K7, 57K7	1.01	0.94	0.92	0.88	0.84
15°C (59°F)	TRL	1.07	0.97	0.94	0.90	0.85
	27K7, 30K7, 40K7, 57K7	1.01	0.94	0.92	0.88	0.84
20°C (68°F)	TRL	1.03	0.93	0.91	0.87	0.82
	27K7, 30K7, 40K7, 57K7	1.00	0.93	0.91	0.87	0.84
25°C (77°F)	TRL	1.00	0.91	0.88	0.84	0.80
	27K7, 30K7, 40K7, 57K7	1.00	0.93	0.91	0.87	0.84

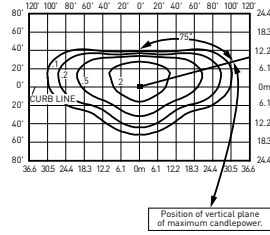
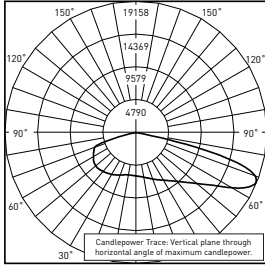
<sup>1</sup> Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.  
<sup>2</sup> In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

Traveyo® Logistics Options			
These options cannot be combined. Must order standard (no option selected), or only one of MX, ZC or ZZ.			
Standard	MX	ZC	ZZ
For shipments to USA and US territories	For shipments to Mexico	For shipments to Canada	For shipments outside of USA, U.S. territories, and Canada
cULus	cULus, NOM	cULus	cULus, NOM

**Photometry**

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/street-and-roadway/traveyo-series-street>

**2ME**

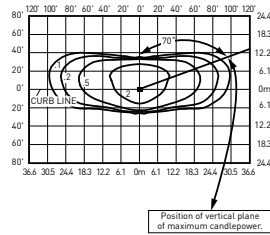
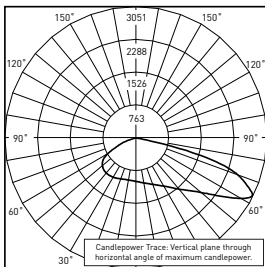


**CESTL Test Report #:** PL13776-001A  
**TRVXL-A-\*\*-2ME-30L-40K7-UL-\*\*-N**  
**Initial Delivered Lumens:** 31,775

**TRVLG-A-\*\*-2ME-13L-40K7-UL-\*\*-N**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 13,875  
 Initial FC at grade

Type II Medium Distribution										
Lumen Package	2700K		3000K		4000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens	BUG Ratings** Per TM-15-11
6L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,675	B2 U0 G2
13L	13,000	B3 U0 G3	13,550	B3 U0 G3	13,875	B3 U0 G3	13,925	B3 U0 G3	N/A	N/A
16L	15,700	B3 U0 G3	16,300	B3 U0 G3	16,700	B3 U0 G3	16,800	B3 U0 G3	N/A	N/A
20L	20,300	B3 U0 G3	21,100	B3 U0 G3	21,600	B3 U0 G3	21,700	B3 U0 G3	N/A	N/A

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



**CESTL Test Report #:** PL13936-001A  
**TRVSM-A-\*\*-2ME-5L-40K7-UL-\*\*-N**  
**w/TRV-BLSL**  
**Initial Delivered Lumens:** 4,753

**TRVLG-A-\*\*-2ME-13L-40K7-UL-\*\*-N**  
**w/TRV-BLSL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 12,500  
 Initial FC at grade

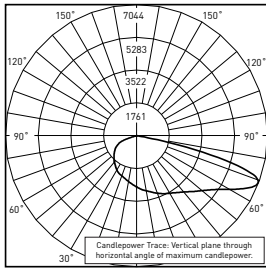
Type II Medium w/BLS Distribution										
Lumen Package	2700K		3000K		4000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens	BUG Ratings** Per TM-15-11
6L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,000	B2 U0 G1
13L	11,700	B2 U0 G2	12,200	B3 U0 G2	12,500	B3 U0 G2	12,525	B3 U0 G2	N/A	N/A
16L	14,125	B3 U0 G2	14,675	B3 U0 G2	15,000	B3 U0 G2	15,100	B3 U0 G2	N/A	N/A
20L	18,300	B3 U0 G3	19,000	B3 U0 G3	19,400	B3 U0 G3	19,500	B3 U0 G3	N/A	N/A

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

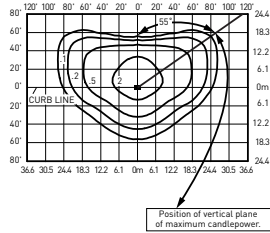
**Photometry**

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/street-and-roadway/traveyo-series-street>

**3ME**



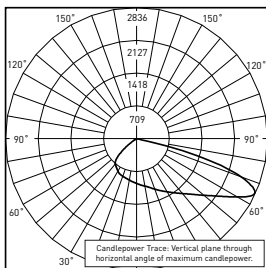
**CESTL Test Report #:** PL13890-001A  
**TRVLG-A\*\*-3ME-13L-40K7-UL\*\*-N**  
**Initial Delivered Lumens:** 13,674



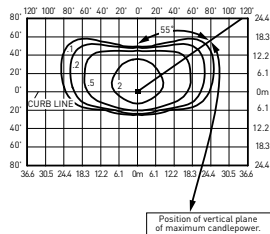
**TRVLG-A\*\*-3ME-13L-40K7-UL\*\*-N**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 13,875  
 Initial FC at grade

Type III Medium Distribution										
Lumen Package	2700K		3000K		4000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens	BUG Ratings** Per TM-15-11
6L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,675	B2 U0 G1
13L	13,000	B2 U0 G2	13,550	B2 U0 G2	13,875	B2 U0 G2	13,925	B2 U0 G2	N/A	N/A
16L	15,700	B3 U0 G3	16,300	B3 U0 G3	16,700	B3 U0 G3	16,800	B3 U0 G3	N/A	N/A
20L	20,300	B3 U0 G3	21,100	B3 U0 G3	21,600	B3 U0 G3	21,700	B3 U0 G3	N/A	N/A

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



**CESTL Test Report #:** PL13937-001A  
**TRVSM-A\*\*-3ME-5L-40K7-UL\*\*-N**  
**w/TRV-BLSS**  
**Initial Delivered Lumens:** 4,834



**TRVLG-A\*\*-3ME-13L-40K7-UL\*\*-N**  
**w/TRV-BLSL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 12,500  
 Initial FC at grade

Type III Medium w/BLS Distribution										
Lumen Package	2700K		3000K		4000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens	BUG Ratings** Per TM-15-11
6L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,000	B1 U0 G1
13L	11,700	B2 U0 G2	12,200	B2 U0 G2	12,500	B2 U0 G2	12,525	B2 U0 G2	N/A	N/A
16L	14,125	B3 U0 G2	14,675	B3 U0 G2	15,000	B3 U0 G2	15,100	B3 U0 G2	N/A	N/A
20L	18,300	B3 U0 G2	19,000	B3 U0 G2	19,400	B3 U0 G2	19,500	B3 U0 G2	N/A	N/A

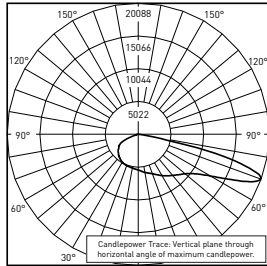
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

# TRVLG LED Street/Area Luminaire - Large

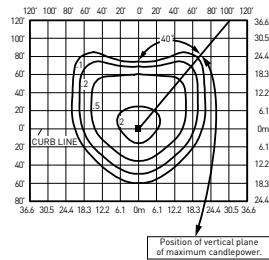
## Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/street-and-roadway/traveyo-series-street>

### 4ME



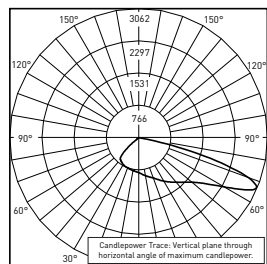
**CESTL Test Report #:** PL13621-001A  
**TRVXL-A-4ME-30L-40K7-UL-N**  
**Initial Delivered Lumens:** 32,369



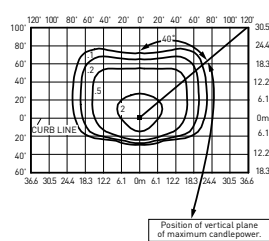
**TRVLG-A-4ME-13L-40K7-UL-N**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 13,875  
 Initial FC at grade

Type IV Medium Distribution										
Lumen Package	2700K		3000K		4000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens	BUG Ratings** Per TM-15-11
6L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,675	B2 U0 G2
13L	13,000	B2 U0 G2	13,550	B2 U0 G2	13,875	B2 U0 G2	13,925	B2 U0 G2	N/A	N/A
16L	15,700	B3 U0 G3	16,300	B3 U0 G3	16,700	B3 U0 G3	16,800	B3 U0 G3	N/A	N/A
20L	20,300	B3 U0 G3	21,100	B3 U0 G3	21,600	B3 U0 G3	21,700	B3 U0 G3	N/A	N/A

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



**CESTL Test Report #:** PL14011-001A  
**TRVSM-A-4ME-5L-40K7-UL-N**  
**w/TRV-BLSL**  
**Initial Delivered Lumens:** 4,696



**TRVLG-A-4ME-13L-40K7-UL-N**  
**w/TRV-BLSL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 12,500  
 Initial FC at grade

Type IV Medium w/BLS Distribution										
Lumen Package	2700K		3000K		4000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens	BUG Ratings** Per TM-15-11
6L	N/A	N/A		N/A	N/A	N/A	N/A	N/A	6,000	B1 U0 G1
13L	11,700	B2 U0 G2	12,200	B2 U0 G2	12,500	B2 U0 G2	12,525	B2 U0 G2	N/A	N/A
16L	14,125	B3 U0 G2	14,675	B3 U0 G2	15,000	B3 U0 G2	15,100	B3 U0 G2	N/A	N/A
20L	18,300	B3 U0 G3	19,000	B3 U0 G3	19,400	B3 U0 G3	19,500	B3 U0 G3	N/A	N/A

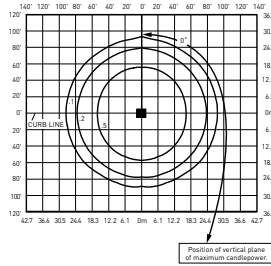
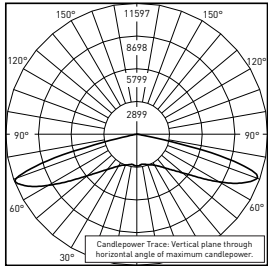
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

# TRVLG LED Street/Area Luminaire - Large

## Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/street-and-roadway/traveyo-series-street>

### 5ME



**CESTL Test Report #:** PL13780-001A  
**TRVXL-A-\*\*-5ME-30L-40K7-UL-\*\*-N**  
**Initial Delivered Lumens:** 31,860  
**TRVLG-A-\*\*-5ME-13L-40K7-UL-\*\*-N**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 13,875  
**Initial FC at grade**

Type V Medium Distribution										
Lumen Package	2700K		3000K		4000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens	BUG Ratings** Per TM-15-11
6L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,675	B3 U0 G2
13L	13,000	B4 U0 G2	13,550	B4 U0 G2	13,875	B4 U0 G2	13,925	B4 U0 G2	N/A	N/A
16L	15,700	B4 U0 G2	16,300	B4 U0 G2	16,700	B4 U0 G2	16,800	B4 U0 G2	N/A	N/A
20L	20,300	B5 U0 G3	21,100	B5 U0 G3	21,600	B5 U0 G3	21,700	B5 U0 G3	N/A	N/A

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

## Luminaire EPA

Horizontal Tenon Mount – Weight: 10.6 lbs. [4.8kg]				
Single	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
<b>Tenon Configuration:</b> If used with Cree Lighting tenons, please add tenon EPA with luminaire EPA				
PD-1H4; PT-1H	PD-2H4[90]; PT-2H[90]	PD-2H4[180]; PT-2H[180]	PD-3H4[90]; PT-3H[90]	PD-4H4[90]; PT-4H[90]
0.50	0.82	1.01	1.32	1.64

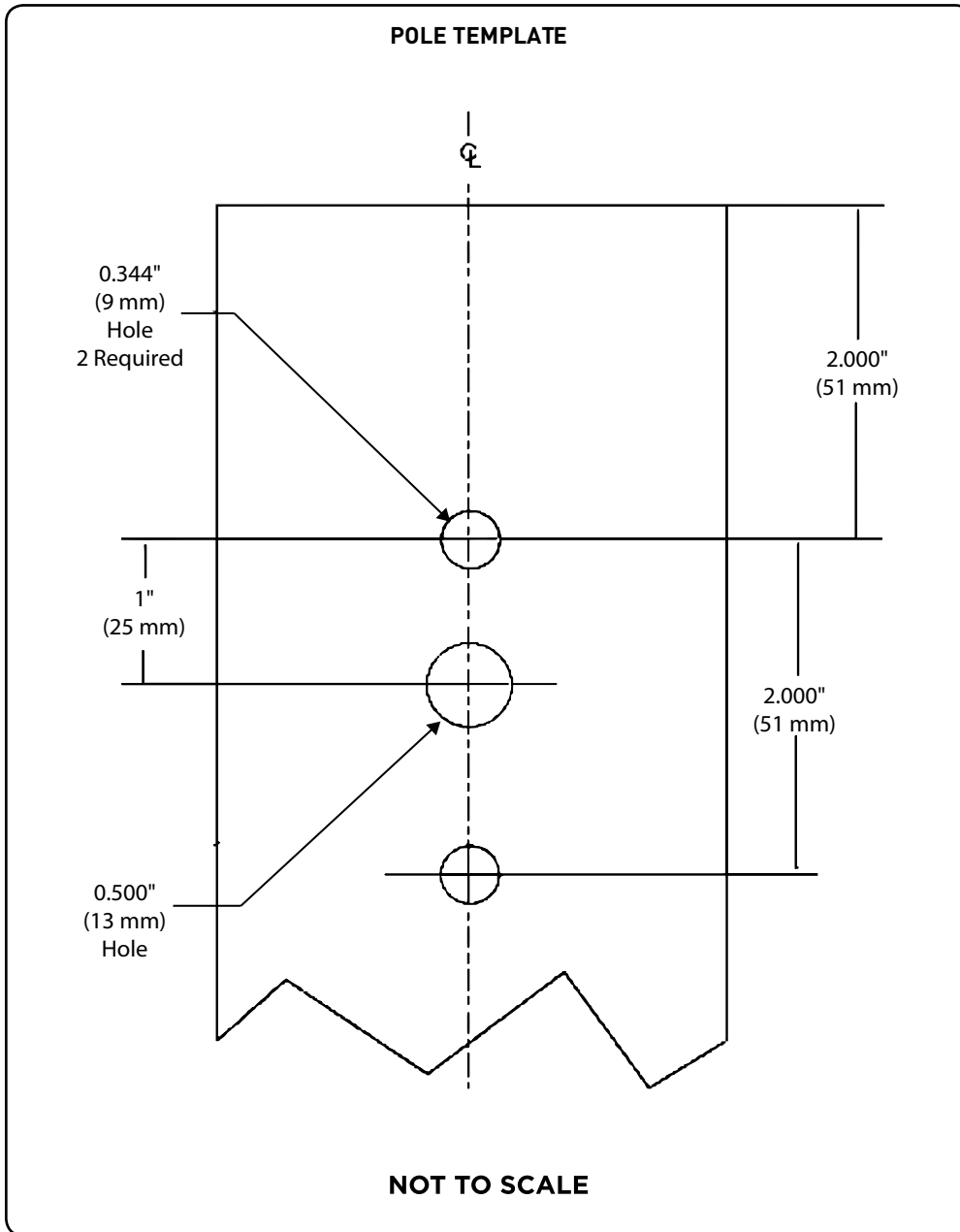
## Tenon EPA

Part Number	EPA
PD Series Tenons	0.09
PT Series Tenons	0.10
WM-2L	0.13
XA-TMDA8	0.19

Tenons and Brackets* (must specify color)	
<b>Square Internal Mount Horizontal Tenons (Aluminum)</b> - Mounts to 4" [102mm] square aluminum or steel poles PD-1H4 – Single PD-3H4[90] – 90° Triple PD-2H4[90] – 90° Twin PD-4H4[90] – 90° Quad PD-2H4[180] – 180° Twin	<b>Round External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 2.375"-3" [60-76mm] O.D. round aluminum or steel poles or tenons - Mounts to 3" [76mm], 5" [127mm], or 6" [152mm] square pole with PB-1A* tenon PT-1H – Single PT-3H[90] – 90° Triple PT-2H[90] – 90° Twin PT-4H[90] – 90° Quad PT-2H[180] – 180° Twin
<b>Wall Mount Brackets</b> - Mounts to wall or roof WM-2L – Extended Horizontal	<b>Direct Arm Pole Adaptor Bracket</b> - Mounts to 3-6" [76-152mm] round or square aluminum or steel poles XA-TMDA8

\* Refer to the [Bracket and Tenons spec sheet](#) for more details  
 \* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"] or 6 [6"] for quad luminaire orientation

Fixture Mounting Drill Pattern for XA-TMDA8



**Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the street and area luminaire within the Traveyo Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include a wattage label that indicates the wattage of the luminaire at the selected lumen output (Rounded to nearest 10 watts per ANSI C136.15-2015.). Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

**Q Option Power & Lumen Data - 13L**

Q Option Setting	CCT/CRI	System Watts <sup>†</sup> 120-480V	Label Wattage	Lumen Values <sup>†</sup>	
				2ME/3ME/4ME/5ME	2ME w/BLS, 3ME w/BLS, 4ME w/BLS
Q9	27K7	96	100	13,000	11,700
	30K7			13,550	12,200
	40K7			13,875	12,500
	57K7			13,925	12,525
Q8	27K7	93	90	12,625	11,375
	30K7			13,175	11,850
	40K7			13,475	12,150
	57K7			13,525	12,175
Q7	27K7	85	90	11,750	10,575
	30K7			12,225	11,025
	40K7			12,525	11,300
	57K7			12,575	11,300
Q6	27K7	75	80	10,500	9,450
	30K7			10,950	9,850
	40K7			11,200	10,100
	57K7			11,250	10,125
Q5	27K7	65	70	9,300	8,375
	30K7			9,700	8,725
	40K7			9,925	8,950
	57K7			9,975	8,975
Q4	27K7	56	60	7,650	6,900
	30K7			7,975	7,175
	40K7			8,175	7,375
	57K7			8,200	7,375
Q3	27K7	52	50	7,100	6,400
	30K7			7,400	6,675
	40K7			7,600	6,850
	57K7			7,625	6,850
Q2	27K7	45	50	6,225	5,600
	30K7			6,500	5,850
	40K7			6,650	6,000
	57K7			6,675	6,000
Q1	27K7	39	40	5,450	4,900
	30K7			5,675	5,100
	40K7			5,825	5,250
	57K7			5,825	5,250

<sup>†</sup> Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%. 347-480V not available with TRL.



**Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the street and area luminaire within the Traveyo Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include a wattage label that indicates the wattage of the luminaire at the selected lumen output (Rounded to nearest 10 watts per ANSI C136.15-2015.). Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

**Q Option Power & Lumen Data - 16L**

Q Option Setting	CCT/CRI	System Watts <sup>1</sup> 120-480V	Label Wattage	Lumen Values <sup>1</sup>	
				2ME/3ME/4ME/5ME	2ME w/BLS, 3ME w/BLS, 4ME w/BLS
Q9	27K7	110	110	15,700	14,125
	30K7			16,300	14,675
	40K7			16,700	15,000
	57K7			16,800	15,100
Q8	27K7	102	100	14,750	13,275
	30K7			15,300	13,775
	40K7			15,700	14,075
	57K7			15,800	14,175
Q7	27K7	94	90	13,775	12,400
	30K7			14,300	12,875
	40K7			14,675	13,175
	57K7			14,750	13,250
Q6	27K7	87	90	12,800	11,525
	30K7			13,300	11,975
	40K7			13,625	12,250
	57K7			13,700	12,325
Q5	27K7	75	80	11,125	10,025
	30K7			11,550	10,400
	40K7			11,850	10,625
	57K7			11,900	10,700
Q4	27K7	69	70	10,400	9,350
	30K7			10,800	9,725
	40K7			11,050	9,925
	57K7			11,125	10,000
Q3	27K7	61	60	9,125	8,200
	30K7			9,475	8,525
	40K7			9,700	8,725
	57K7			9,750	8,775
Q2	27K7	54	50	8,200	7,375
	30K7			8,500	7,650
	40K7			8,725	7,825
	57K7			8,775	7,875
Q1	27K7	48	50	7,250	6,525
	30K7			7,525	6,775
	40K7			7,725	6,925
	57K7			7,750	6,975

<sup>1</sup> Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%. 347-480V not available with TRL.

**Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the street and area luminaire within the Traveyo Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include a wattage label that indicates the wattage of the luminaire at the selected lumen output (Rounded to nearest 10 watts per ANSI C136.15-2015.). Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

**Q Option Power & Lumen Data - 20L**

Q Option Setting	CCT/CRI	System Watts <sup>†</sup> 120-480V	Label Wattage	Lumen Values <sup>†</sup>	
				2ME/3ME/4ME/5ME	2ME w/BLS, 3ME w/BLS, 4ME w/BLS
Q9	27K7	150	150	20,300	18,300
	30K7			21,100	19,000
	40K7			21,600	19,400
	57K7			21,700	19,500
Q8	27K7	146	150	19,500	17,500
	30K7			20,200	18,200
	40K7			20,700	18,600
	57K7			20,800	18,700
Q7	27K7	133	130	18,100	16,300
	30K7			18,800	16,900
	40K7			19,200	17,300
	57K7			19,300	17,400
Q6	27K7	117	120	16,100	14,525
	30K7			16,800	15,100
	40K7			17,200	15,400
	57K7			17,200	15,500
Q5	27K7	101	100	14,075	12,675
	30K7			14,625	13,175
	40K7			14,975	13,450
	57K7			15,000	13,525
Q4	27K7	87	90	12,050	10,875
	30K7			12,525	11,275
	40K7			12,825	11,525
	57K7			12,900	11,575
Q3	27K7	80	80	11,150	10,050
	30K7			11,575	10,425
	40K7			11,850	10,650
	57K7			11,925	10,700
Q2	27K7	69	70	9,675	8,725
	30K7			10,075	9,075
	40K7			10,300	9,250
	57K7			10,350	9,300
Q1	27K7	61	60	8,475	7,625
	30K7			8,800	7,925
	40K7			9,000	8,100
	57K7			9,050	8,125

<sup>†</sup> Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V or 347-480V +/-10%. 347-480V not available with TRL.