Traveyo Series

Traveyo™ LED Street/Area Luminaire - Large

Rev. Date: V4 09/06/2019

Product Description

The Cree Lighting Traveyo Series changes expectations of the "entry-level" luminaire with 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. Typical replacement: 200-250W HPS.

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



Performance Summary

Initial Delivered Lumens: Up to 21,700

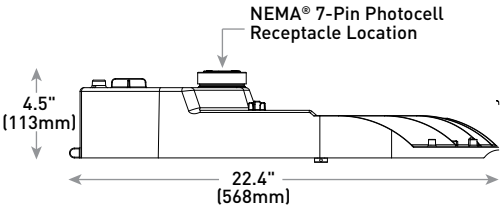
Efficacy: Up to 153 LPW

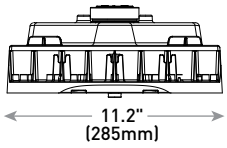
CRI: Minimum 70 CRI

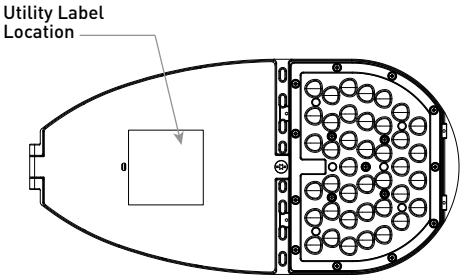
CCT: 2700K, 3000K, 4000K, 5700K

Limited Warranty†: 5 years standard on luminaire and finish, 10 years optional on luminaire and finish

† See http://creelighting.com/warranty for warranty terms







Accessories

Field-Installed
Bird Spikes TRV-BRDGRDL
Backlight Control Shield TRV-BLSL - Provides 1 mounting height cutoff - Black painted aluminum construction - Refer to initial delivered lumen tables for lumen output

Weight
10.6 lbs. (4.8kg)

Ordering Information

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

TRVLG	A	HT						N	
Product	**Version**	**Mounting**	**Optic**	**Lumen Package****	**CCT/CRI**	**Voltage**	**Color Options**	**Utility Label/ Receptacle**	**Options**
TRVLG Large	**A**	**HT** Horizontal Tenon	**Asymmetric** **2ME*** Type II Medium **3ME*** Type III Medium **4ME*** Type IV Medium **Symmetric** **5ME** Type V Medium	**13L** 13,000 Lumens **16L** 16,000 Lumens **20L** 20,000 Lumens	**27K7** 2700K, 70 CRI **30K7** 3000K, 70 CRI **40K7** 4000K, 70 CRI **57K7** 5700K, 70 CRI	**UL** Universal 120-277V **UH** Universal 347-480V	**BK** Black **BZ** Bronze **GY** Grey	**N** **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 - Photocell or shorting cap by others	**20KV** **20kV/10kA Surge Suppression** **4BLT** **4-Bolt Mounting** - Mounts to 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon **EXPD** **Expedited Shipping**

* 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 (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234

CREE LIGHTING

Product Specifications

CONSTRUCTION & MATERIALS

- Die cast aluminum housing and door
- 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 8" [203mm] in length) and is adjustable +/- 5˚ to allow for fixture leveling (includes two axis T-level to aid in leveling)
- Luminaire secures with two mounting bolts; optional four bolt mounting available
- Comes standard with 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 surge suppression protection standard; 20kV 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:** -40˚C - +40˚C (-40˚F - +104˚F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Certified to ANSI C136.31-2010, 3G bridge and overpass vibration standards
- Meets CALTrans 611 Vibration testing
- ANSI C136.2 10kV (standard) and 20kV (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 27K7 or 30K7 CCTs. Please refer to http://darksky.org/fsa/fsa-products/ for most current information
- DLC Premium qualified. Please refer to https://www.designlights.org/search/ for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

Lumen Package	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
			120V	208V	240V	277V	347V	480V
13L	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%

Traveyo Series Ambient Adjusted Lumen Maintenance[1]

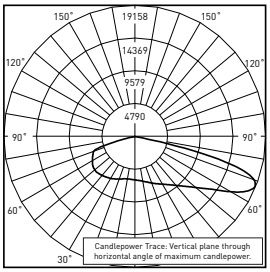
Ambient	Initial LMF	25K hr Reported[2] LMF	50K hr Reported[2] LMF	75K hr Estimated[3] LMF	100K hr Estimated[3] LMF
5˚C (41˚F)	1.01	0.94	0.87	0.80	0.74
10˚C (50˚F)	1.01	0.94	0.87	0.80	0.74
15˚C (59˚F)	1.01	0.93	0.86	0.80	0.74
20˚C (68˚F)	1.00	0.93	0.86	0.79	0.73
25˚C (77˚F)	1.00	0.93	0.86	0.79	0.73

[1] 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.
[2] 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.
[3] Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

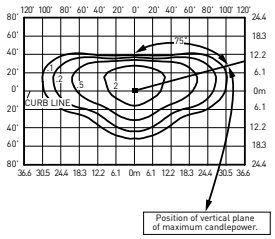
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards. To obtain an IES file specific to your project consult: https://creelighting.com/products/outdoor/street-and-roadway/traveyo-series-street

2ME



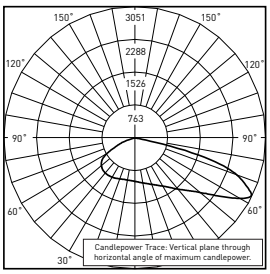
CESTL Test Report #: PL13776-001A
TRVXL-A-**-2ME-30L-40K7-UL-**-N
Initial Delivered Lumens: 31,775



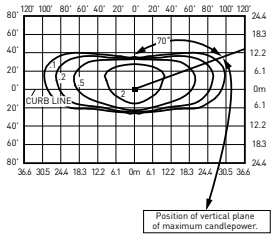
TRVLG-A-**-2ME-13L-40K7-UL-**-N
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,875
Initial FC at grade

Type II Medium Distribution								
Lumen Package	2700K		3000K		4000K		5700K	
	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
13L	13,000	B3 U0 G3	13,550	B3 U0 G3	13,875	B3 U0 G3	13,925	B3 U0 G3
16L	15,700	B3 U0 G3	16,300	B3 U0 G3	16,700	B3 U0 G3	16,800	B3 U0 G3
20L	20,300	B3 U0 G3	21,100	B3 U0 G3	21,600	B3 U0 G3	21,700	B3 U0 G3

* 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-BLSS
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

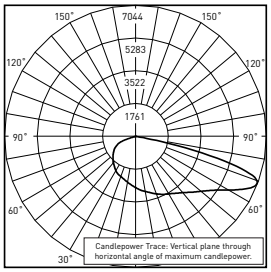
Type II Medium w/BLS Distribution								
Lumen Package	2700K		3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
13L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

* Initial delivered lumens at 25˚C (77˚F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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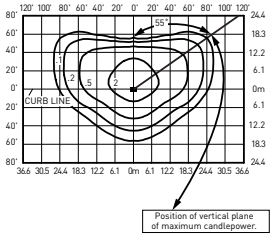
Photometry

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3ME



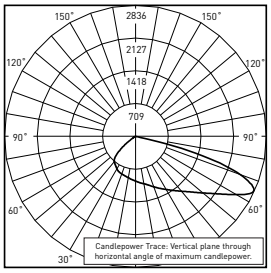
CESTL Test Report #: PL13890-001A
TRVLG-A-**-3ME-13L-40K7-UL-**-N
Initial Delivered Lumens: 13,674



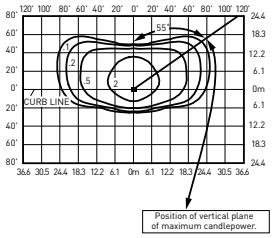
TRVLG-A-**-3ME-13L-40K7-UL-**-N
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,875
Initial FC at grade

Type III Medium Distribution								
Lumen Package	2700K		3000K		4000K		5700K	
	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
13L	13,000	B2 U0 G2	13,550	B2 U0 G2	13,875	B2 U0 G2	13,925	B2 U0 G2
16L	15,700	B3 U0 G3	16,300	B3 U0 G3	16,700	B3 U0 G3	16,800	B3 U0 G3
20L	20,300	B3 U0 G3	21,100	B3 U0 G3	21,600	B3 U0 G3	21,700	B3 U0 G3

* 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

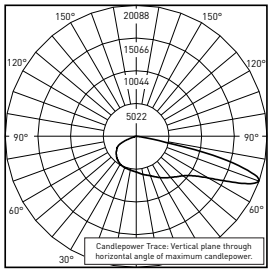
Type III Medium w/BLS Distribution								
Lumen Package	2700K		3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
13L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

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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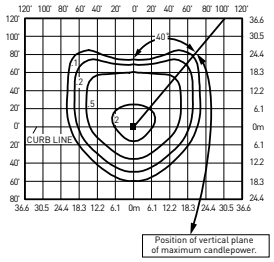
Photometry

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4ME



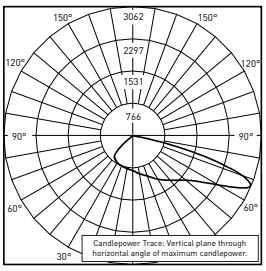
CESTL Test Report #: PL13621-001A
TRVXL-A-**-4ME-30L-40K7-UL-**-N
Initial Delivered Lumens: 32,369



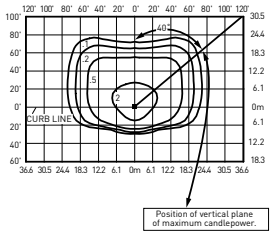
TRVLG-A-**-4ME-13L-40K7-UL-**-N
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,875
Initial FC at grade

Type IV Medium Distribution								
Lumen Package	2700K		3000K		4000K		5700K	
	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
13L	13,000	B2 U0 G2	13,550	B2 U0 G2	13,875	B2 U0 G2	13,925	B2 U0 G2
16L	15,700	B3 U0 G3	16,300	B3 U0 G3	16,700	B3 U0 G3	16,800	B3 U0 G3
20L	20,300	B3 U0 G3	21,100	B3 U0 G3	21,600	B3 U0 G3	21,700	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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CESTL Test Report #: PL14011-001A
TRVSM-A-**-4ME-5L-40K7-UL-**-N
w/TRV-BLSS
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

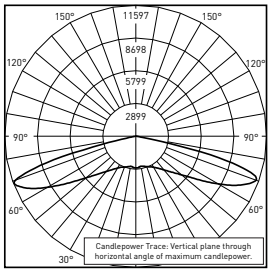
Type IV Medium w/BLS Distribution								
Lumen Package	2700K		3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
13L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

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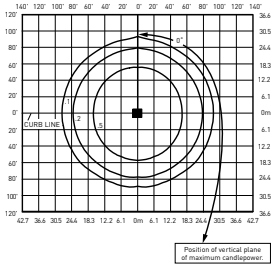
Photometry

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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	
	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
13L	13,000	B4 U0 G2	13,550	B4 U0 G2	13,875	B4 U0 G2	13,925	B4 U0 G2
16L	15,700	B4 U0 G2	16,300	B4 U0 G2	16,700	B4 U0 G2	16,800	B4 U0 G2
20L	20,300	B5 U0 G3	21,100	B5 U0 G3	21,600	B5 U0 G3	21,700	B5 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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Luminaire EPA

Horizontal Tenon Mount – Weight: 10.6 lbs. (4.8kg)				
Single	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
Tenon Configuration: 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)

Square Internal Mount Horizontal Tenons (Aluminum)
- Mounts to 4" (102mm) square aluminum or steel poles

PD-1H4 – Single
PD-2H4(90) – 90° Twin
PD-2H4(180) – 180° Twin
PD-3H4(90) – 90° Triple
PD-4H4(90) – 90° Quad

Wall Mount Brackets
- Mounts to wall or roof

WM-2L – Extended Horizontal

Round External Mount Horizontal Tenons (Aluminum)
- 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-2H(90) – 90° Twin
PT-2H(180) – 180° Twin
PT-3H(90) – 90° Triple
PT-4H(90) – 90° Quad

Direct Arm Pole Adaptor Bracket
- 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

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