

Traveyo Series

Traveyo™ LED Street/Area Luminaire - Extra Large

Rev. Date: V4 09/09/2019

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 TRVXL 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: 310-400W HPS.

Applications: Multi-lane freeways, express ways, major roads, parking lots, and general area spaces

Performance Summary

Initial Delivered Lumens: Up to 32,600

Efficacy: Up to 155 LPW

CRI: Minimum 70 CRI

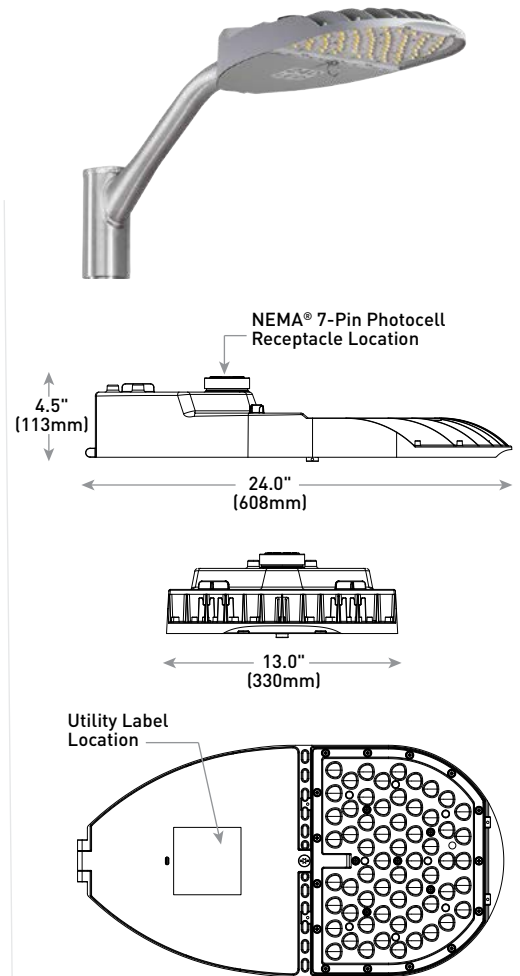
CCT: 2700K, 3000K, 4000K, 5700K

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-BRDGRDX
Backlight Control Shield TRV-BLSX - Provides 1 mounting height cutoff - Black painted aluminum construction - Refer to initial delivered lumen tables for lumen output



Weight

14.4 lbs. (6.5kg)

Ordering Information

Example: TRVXL-A-HT-2ME-25L-27K7-UL-BK-N

TRVXL	A	HT						N	
Product	Version	Mounting	Optic	Lumen Package**	CCT/CRI	Voltage	Color Options	Utility Label/ Receptacle	Options
TRVXL Extra Large	A	HT Horizontal Tenon	Asymmetric 2ME* Type II Medium 3ME* Type III Medium 4ME* Type IV Medium Symmetric 5ME Type V Medium	22L 22,000 Lumens 25L 25,000 Lumens 27L 27,000 Lumens 30L 30,000 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



CREE  **LIGHTING**

US: creelighting.com (800) 236-6800

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

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:** 14.4 lbs. (6.5kg)

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
22L	148	150	1.25	0.72	0.62	0.54	0.43	0.31
25L	183	180	1.57	0.89	0.77	0.67	0.52	0.38
27L	182	180	1.54	0.87	0.76	0.66	0.53	0.38
30L	219	220	1.87	1.06	0.92	0.80	0.63	0.46

* 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 Maintenance¹

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.

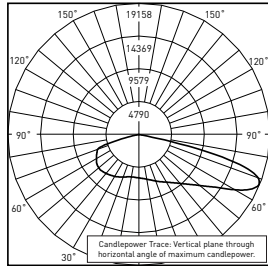
³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

TRVXL LED Street/Area Luminaire - Extra Large

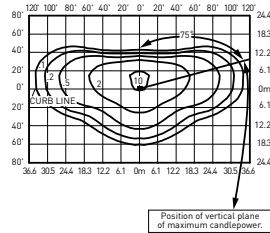
Photometry

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

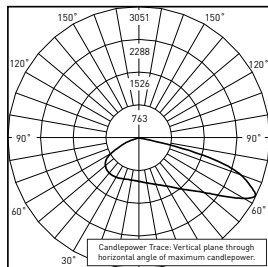


TRVXL-A--2ME-30L-40K7-UL-**-N**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 32,500
Initial FC at grade

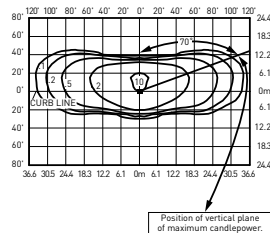
Type II Medium Distribution								
Lumen Package	2700K		3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
22L	21,500	B3 U0 G3	22,400	B3 U0 G3	22,900	B3 U0 G3	23,000	B3 U0 G3
25L	26,000	B3 U0 G3	27,000	B3 U0 G3	27,700	B4 U0 G3	27,800	B4 U0 G3
27L	26,500	B3 U0 G3	27,600	B4 U0 G3	28,200	B4 U0 G3	28,300	B4 U0 G3
30L	30,400	B4 U0 G4	31,700	B4 U0 G4	32,500	B4 U0 G4	32,600	B4 U0 G4

* 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



TRVXL-A--2ME-30L-40K7-UL-**-N**
w/TRV-BLSX
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 29,300
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
22L	19,400	B3 U0 G3	20,200	B3 U0 G3	20,600	B3 U0 G3	20,700	B3 U0 G3
25L	23,400	B3 U0 G3	24,300	B3 U0 G3	24,900	B3 U0 G3	25,000	B3 U0 G3
27L	23,900	B3 U0 G3	24,800	B3 U0 G3	25,400	B3 U0 G3	25,500	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	29,300	B3 U0 G3	29,300	B3 U0 G3

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

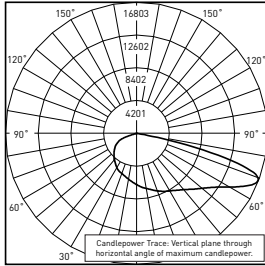
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TRVXL LED Street/Area Luminaire - Extra Large

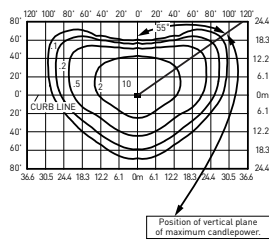
Photometry

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3ME



CESTL Test Report #: PL13986-001A
TRVXL-A--3ME-30L-40K7-UL-**-N**
Initial Delivered Lumens: 32,509

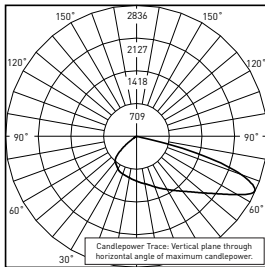


TRVXL-A--3ME-30L-40K7-UL-**-N**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 32,500
Initial FC at grade

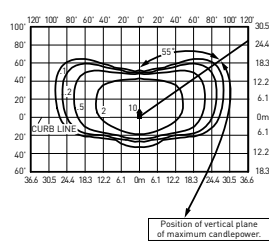
Type III Medium Distribution								
Lumen Package	2700K		3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
22L	21,500	B3 U0 G3	22,400	B3 U0 G3	22,900	B3 U0 G3	23,000	B3 U0 G3
25L	26,000	B3 U0 G3	27,000	B3 U0 G3	27,700	B3 U0 G3	27,800	B3 U0 G3
27L	26,500	B3 U0 G3	27,600	B3 U0 G3	28,200	B3 U0 G3	28,300	B3 U0 G3
30L	30,400	B3 U0 G3	31,700	B3 U0 G3	32,500	B4 U0 G3	32,600	B4 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 #: PL13937-001A
TRVSM-A--3ME-5L-40K7-UL-**-N**
w/ TRV-BLSX
Initial Delivered Lumens: 4,834



TRVXL-A--3ME-30L-40K7-UL-**-N**
w/ TRV-BLSX
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 29,300
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
22L	19,400	B3 U0 G2	20,200	B3 U0 G2	20,600	B3 U0 G2	20,700	B3 U0 G2
25L	23,400	B3 U0 G3	24,300	B3 U0 G3	24,900	B3 U0 G3	25,000	B3 U0 G3
27L	23,900	B3 U0 G3	24,800	B3 U0 G3	25,400	B3 U0 G3	25,500	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	29,300	B3 U0 G3	29,300	B3 U0 G3

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

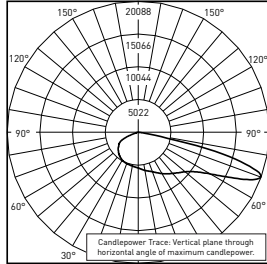
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

TRVXL LED Street/Area Luminaire - Extra Large

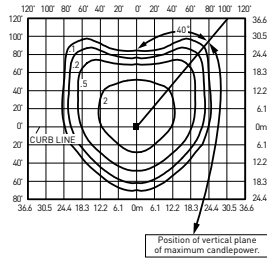
Photometry

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4ME



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

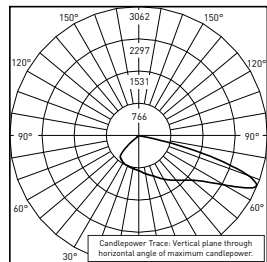


TRVXL-A--4ME-30L-40K7-UL-**-N**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 32,500
Initial FC at grade

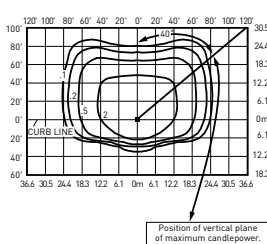
Type IV Medium Distribution								
Lumen Package	2700K		3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
22L	21,500	B3 U0 G3	22,400	B3 U0 G3	22,900	B3 U0 G3	23,000	B3 U0 G3
25L	26,000	B3 U0 G4	27,000	B3 U0 G4	27,700	B3 U0 G4	27,800	B3 U0 G4
27L	26,500	B3 U0 G4	27,600	B3 U0 G4	28,200	B3 U0 G4	28,300	B3 U0 G4
30L	30,400	B4 U0 G4	31,700	B4 U0 G4	32,500	B4 U0 G4	32,600	B4 U0 G4

* 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



TRVSM-A--4ME-5L-40K7-UL-**-N**
w/TRV-BLSS
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 29,300
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
22L	19,400	B3 U0 G3	20,200	B3 U0 G3	20,600	B3 U0 G3	20,700	B3 U0 G3
25L	23,400	B3 U0 G3	24,300	B3 U0 G3	24,900	B3 U0 G3	25,000	B3 U0 G3
27L	23,900	B3 U0 G3	24,800	B3 U0 G3	25,400	B3 U0 G3	25,500	B3 U0 G3
30L	27,400	B3 U0 G4	28,500	B3 U0 G4	29,300	B3 U0 G4	29,300	B3 U0 G4

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

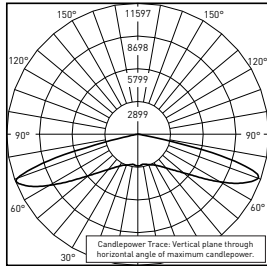
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TRVXL LED Street/Area Luminaire - Extra Large

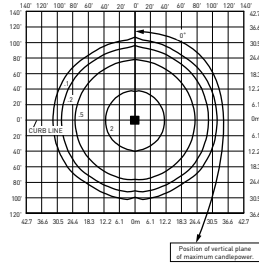
Photometry

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5ME



CESTL Test Report #: PL13780-001A
TRVXL-A--5ME-30L-40K7-UL-**-N**
Initial Delivered Lumens: 31,860



TRVXL-A--5ME-30L-40K7-UL-**-N**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 32,500
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
22L	21,500	B5 U0 G3	22,400	B5 U0 G3	22,900	B5 U0 G3	23,000	B5 U0 G3
25L	26,000	B5 U0 G3	27,000	B5 U0 G3	27,700	B5 U0 G3	27,800	B5 U0 G3
27L	26,500	B5 U0 G3	27,600	B5 U0 G3	28,200	B5 U0 G4	28,300	B5 U0 G4
30L	30,400	B5 U0 G4	31,700	B5 U0 G4	32,500	B5 U0 G4	32,600	B5 U0 G4

* 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: 14.4 lbs. (6.5kg)				
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]
0.53	0.89	1.06	1.42	1.78

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 ¹ (must specify color)	
Square Internal Mount Horizontal Tenons (Aluminum) - 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	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-3H[90] – 90° Triple PT-2H[90] – 90° Twin PT-4H[90] – 90° Quad PT-2H[180] – 180° Twin
Wall Mount Brackets - Mounts to wall or roof WM-2L – Extended Horizontal	Direct Arm Pole Adaptor Bracket - Mounts to 3-6" (76-152mm) round or square aluminum or steel poles XA-TMDA8

¹ 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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