Urban

TownView

TVLN
Post top and arm mount luminaire

Hadco TownView LED post top luminaires were designed to eliminate the compromises of performance, style options and value when choosing the right lighting solution for residential street and pedestrian area. TownView offers design flexibility with a variety of style options, lumen packages, a range of control options and more at exceptional value.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Ordering guide: Luminaire

Example: TVLN-A-S-40-G2-24-2M-740-A-N-R7-SP1-T-L-B-BKS

Series	Mounting	Roof option	LED module	Generation	Drive current	Distribution	Color Temp.	Voltage
TVLN TownView with no lens (open cage)	**A**[1,6] Arm Mount **L4** Large Post Top Fitter 4" (tool less entry) **L3** Large Post Top Fitter 3" (tool less entry) **S2** Small Post Fitter 2-3/8" **S3** Small Post Fitter 3" **S4** Small Post Fitter 4"	**S** Square Roof **C**[1] Curved Roof	**40** 40 LEDs	**G2** Gen 2	**2** 240 mA **3** 320 mA **4** 440 mA **5** 560 mA **7** 712 mA **9** 980 mA **12** 1230 mA **13** 1380 mA **15** 1558 mA **18** 1800 mA **10H** 1050mA Higher lumens **12H** 1200mA Higher lumens	**2M** Type 2 Medium **2MH** Type 2 Medium House-side shield **3W** Type 3 Wide **3WH** Type 3 Wide House-side shield **4** Type 4 **4H** Type 4 House-side shield **5** Type 5 **CWL**[2] Crosswalk Optic Left **CWR**[2] Crosswalk Optic Right	**730** 70 CRI, 3000K **740** 70 CRI, 4000K	**A** 120-277 VAC **J** 347VAC **K** 480VAC

Driver Option (pick only one)	Photo Control Receptacle	Surge Protection	Terminal Block	Decorative Option	Bird Guard	Finish[8]
DL[4,5] DALI (default: logarithmic) **S**[3] FAWS (Field Adjustable Wattage Selector) **N** None	**R7** 7-pin tooless rotatable receptacle standard - no photocell **PH8**[7] 7-pin tooless rotatable receptacle standard - with photocell **PH9** 7-pin tooless rotatable receptacle standard - with shorting cap **PHX**[5] 7-pin tooless rotatable receptacle standard - with long life photocell	**SP1** 10kV/10kA Surge Protector **SP2** 20kV/10kA Surge Protector	**T** Terminal Block **N** None	**L**[6] Ladder Rest **N** None	**B** Bird guard **N** None	**BKS** Black Smooth **WHS** White Smooth **BZS** Bronze Smooth **GNS** Green Smooth **BK** Black Textured **WH** White Textured **BZ** Bronze Textured **GN** Green Textured

1. Only **S** Square roof available with **A** Arm mount.
2. Consult fatory for information and lead time.
3. **S** FAWS position 10 is open for receptacle control, must use one or the other but not BOTH. Position 10 does NOT reduce lumens or wattage.
4. This option requires more information contact factory.
5. Only available with **A** 120-277VAC.
6. **L** Ladder Rest option not available with **A** Arm mount.
7. Not available with **K** 347VAC.
8. Cupola supplied with Black **BKS** or **BK** finish option is composite material, therefore may be used with Interact City node - must use Astroclock version (photocell version will not work).
When finish other than Black **BKS** or **BK** is selected, cupola will be metal and painted to match finish. When using Interact City node with other finishes, metal cupola must be removed (will not communicate through metal) - either Astroclock or photocell version may be used.
If using a taller node other than Interact City that requires a taller cupola, please contact factory.

Connected lighting

Interact City connector node provides the plug and play wireless communications technology to connect your street light to the Interact City lighting management system.

Accessory Ordering Code	Description
LLC	Interact City cellular technology connector node

Contact the factory for additional support when connected lighting or additional services are desired.

TVLN TownView

Post top and arm mount luminaire

Ordering Guide: Arm mount

Must be ordered as a separate line item (if Arm Mount option is chosen for fixture).

Code	Mount	Width	Options	Finish
TV	A	55	S	
TV TownView	**A** Arm Mount	**55** 55.5" wide	**S** Decorative Scroll	**BKS** Black Smooth **WHS** White Smooth **BZS** Bronze Smooth **GNS** Green Smooth **BK** Black Texture **WH** White Texture **BZ** Bronze Texture **GN** Green Texture

Only available with Square roof

Dimensions: Arm mount

TVPx-A-S

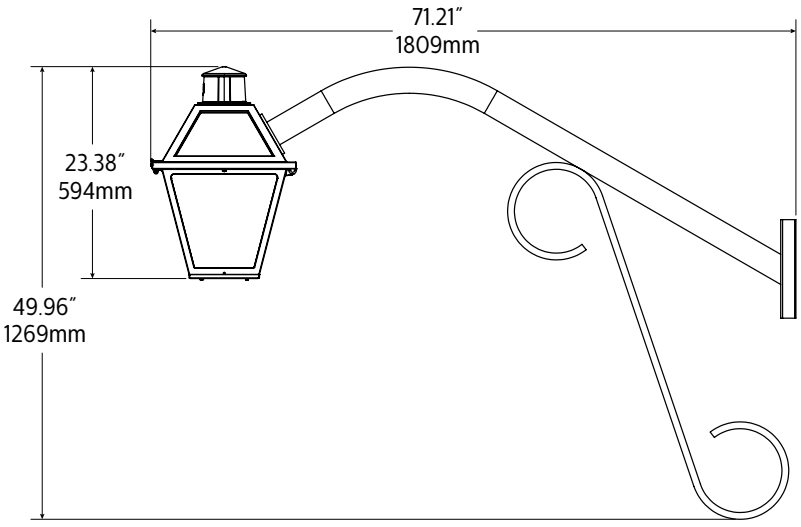
Arm: Made of aluminum tubing

Decorative Element: Bent aluminum decorative channel scroll mechanically assembled.

Mounting Plate: Made of aluminum, mechanically fastened to the pole.

EPA Values

TVPx-A-S	Weight	EPA
	14 lbs	1.98 ft^2

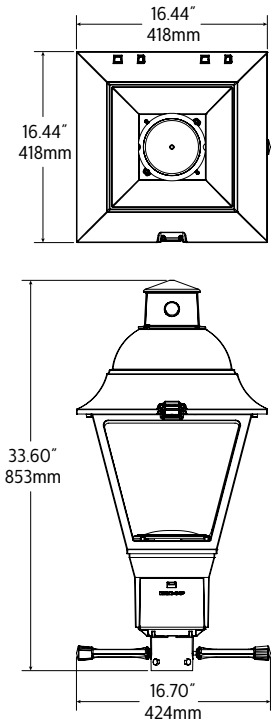


TVLN TownView

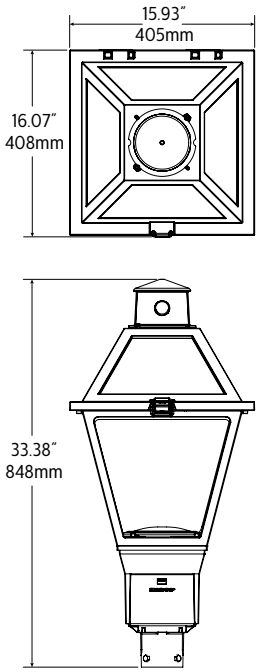
Post top and arm mount luminaire

Dimensions: Luminaire

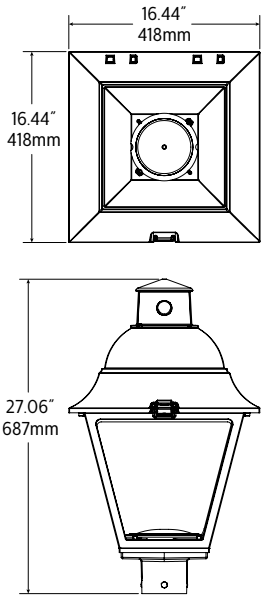
TVLx-L3-C



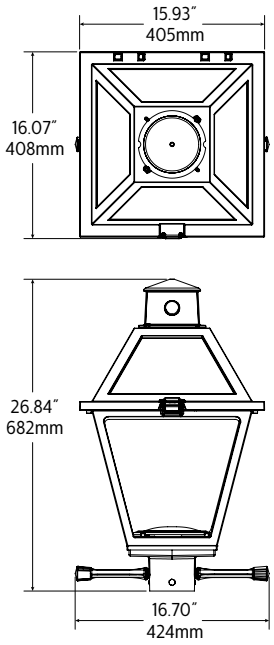
TVLx-L3-S



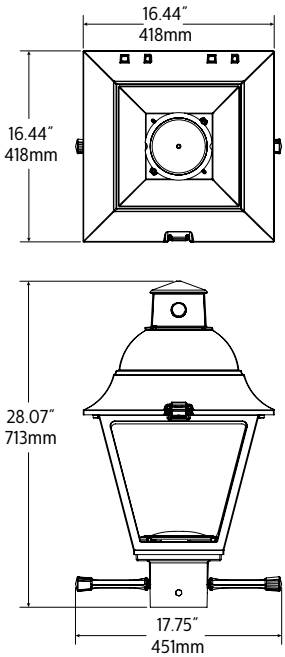
TVLx-S3-C



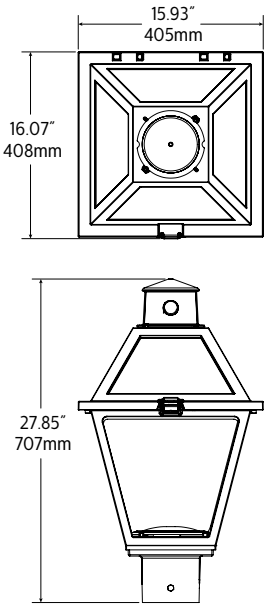
TVLx-S3-S



TVLx-S4-C



TVLx-S4-S



EPA Values

	Weight	EPA
TVLx-L3-C	22.25 lbs	1.00 ft²
TVLx-L3-S		
TVLx-S2/S3-C	21.00 lbs	0.76 ft²
TVLx-S2/S3-S		
TVLx-S4-C	21.88 lbs	0.80 ft²
TVLx-S4-S		
TVLx-A-S	19.63 lbs	0.69 ft²

TVLN TownView

Post top and arm mount luminaire

Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L_{70} hours limited to 6 times actual LED test hours.

Ambient Temperature °C	Driver mA	Calculated L_{70} Hours	L_{70} per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	up to 2400 mA	>100,000 hours	>60,000 hours	>96%

Field Adjustable Wattage (FAWS) Multiplier Chart

FAWS Position	Typical Delivered Lumens Multiplier	Typical System Wattage
1	0.31	0.28
2	0.53	0.50
3	0.62	0.58
4	0.70	0.67
5	0.78	0.75

FAWS Position	Typical Delivered Lumens Multiplier	Typical System Wattage
6	0.83	0.81
7	0.89	0.87
8	0.92	0.91
9	0.96	0.95
10	1.00	1.00

Note: Typical value accuracy +/- 5%

LED Lumen and Wattage Values: TVLN-A (No Panels - Side Arm, continued on page 5)

Ordering Code	LED qty.	System Current (mA).	Color Temp.	Avg. System Wattage (W)	Type 2M			Type 2MH			Type 3W			Type 3WH		
					Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
TVLN-A-x-40-G2-2-x-730	40	240	3000	14	2,240	157	B1-U0-G1	1,699	119	B0-U0-G1	2,252	158	B1-U0-G1	1,767	124	B0-U0-G1
TVLN-A-x-40-G2-3-x-730	40	320	3000	19	2,975	156	B1-U0-G1	2,256	118	B1-U0-G1	2,991	157	B1-U0-G1	2,347	123	B0-U0-G1
TVLN-A-x-40-G2-4-x-730	40	440	3000	27	4,022	150	B1-U0-G1	3,050	114	B1-U0-G1	4,044	151	B1-U0-G1	3,173	118	B1-U0-G1
TVLN-A-x-40-G2-5-x-730	40	560	3000	34	5,082	149	B1-U0-G1	3,854	113	B1-U0-G1	5,109	150	B1-U0-G1	4,009	118	B1-U0-G1
TVLN-A-x-40-G2-7-x-730	40	712	3000	44	6,402	147	B2-U0-G2	4,855	111	B1-U0-G1	6,436	147	B2-U0-G2	5,051	116	B1-U0-G1
TVLN-A-x-40-G2-9-x-730	40	980	3000	63	8,631	137	B2-U0-G2	6,545	104	B1-U0-G2	8,677	137	B2-U0-G2	6,810	108	B1-U0-G2
TVLN-A-x-40-G2-12-x-730	40	1230	3000	79	10,589	134	B3-U0-G3	8,030	102	B1-U0-G2	10,646	135	B2-U0-G2	8,355	106	B1-U0-G2
TVLN-A-x-40-G2-13-x-730	40	1380	3000	89	11,889	134	B3-U0-G3	9,016	101	B1-U0-G2	11,953	134	B3-U0-G3	9,380	105	B1-U0-G2
TVLN-A-x-40-G2-15-x-730	40	1588	3000	103	13,404	130	B3-U0-G3	10,165	99	B2-U0-G2	13,476	131	B3-U0-G3	10,576	103	B1-U0-G2
TVLN-A-x-40-G2-18-x-730	40	1800	3000	118	14,925	127	B3-U0-G3	11,318	96	B2-U0-G2	15,005	127	B3-U0-G3	11,775	100	B1-U0-G2
TVLN-A-x-40-G2-10H-x-730	40	1050	3000	137	16,693	122	B3-U0-G3	12,659	92	B2-U0-G2	16,783	123	B3-U0-G3	13,170	96	B2-U0-G2
TVLN-A-x-40-G2-12H-x-730	40	1200	3000	160	18,626	116	B3-U0-G3	14,125	88	B2-U0-G2	18,727	117	B3-U0-G3	14,696	92	B2-U0-G2
TVLN-A-x-40-G2-2-x-740	40	240	4000	14	2,363	165	B1-U0-G1	1,792	125	B0-U0-G1	2,376	166	B1-U0-G1	1,865	130	B0-U0-G1
TVLN-A-x-40-G2-3-x-740	40	320	4000	19	3,139	164	B1-U0-G1	2,381	125	B1-U0-G1	3,156	165	B1-U0-G1	2,477	130	B0-U0-G1
TVLN-A-x-40-G2-4-x-740	40	440	4000	27	4,244	158	B1-U0-G1	3,218	120	B1-U0-G1	4,267	159	B1-U0-G1	3,348	125	B1-U0-G1
TVLN-A-x-40-G2-5-x-740	40	560	4000	34	5,362	157	B2-U0-G2	4,066	119	B1-U0-G1	5,391	158	B1-U0-G1	4,230	124	B1-U0-G1
TVLN-A-x-40-G2-7-x-740	40	712	4000	44	6,755	155	B2-U0-G2	5,123	117	B1-U0-G1	6,791	155	B2-U0-G2	5,330	122	B1-U0-G2
TVLN-A-x-40-G2-9-x-740	40	980	4000	63	9,107	144	B2-U0-G2	6,906	109	B1-U0-G2	9,156	145	B2-U0-G2	7,185	114	B1-U0-G2
TVLN-A-x-40-G2-12-x-740	40	1230	4000	79	11,173	141	B3-U0-G3	8,473	107	B1-U0-G2	11,233	142	B3-U0-G3	8,816	112	B1-U0-G2
TVLN-A-x-40-G2-13-x-740	40	1380	4000	89	12,545	141	B3-U0-G3	9,513	107	B1-U0-G2	12,612	142	B3-U0-G3	9,898	111	B1-U0-G2
TVLN-A-x-40-G2-15-x-740	40	1588	4000	103	14,144	137	B3-U0-G3	10,726	104	B2-U0-G2	14,220	138	B3-U0-G3	11,159	108	B1-U0-G2
TVLN-A-x-40-G2-18-x-740	40	1800	4000	118	15,748	134	B3-U0-G3	11,943	101	B2-U0-G2	15,833	134	B3-U0-G3	12,425	105	B1-U0-G2
TVLN-A-x-40-G2-10H-x-740	40	1050	4000	137	17,614	129	B3-U0-G3	13,358	98	B2-U0-G2	17,709	129	B3-U0-G3	13,897	101	B2-U0-G2
TVLN-A-x-40-G2-12H-x-740	40	1200	4000	160	19,654	123	B3-U0-G3	14,905	93	B2-U0-G2	19,760	124	B3-U0-G3	15,507	97	B2-U0-G3

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

Note: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

TVLN TownView

Post top and arm mount luminaire

LED Lumen and Wattage Values: TVLN-A (No Panels - Side Arm)

Ordering Code	LED qty.	System Current (mA).	Color Temp.	Avg. System Wattage (W)	Type 4			Type 4H			Type 5		
					Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
TVLN-A-x-40-G2-2-x-730	40	240	3000	14	2,262	158	B0-U0-G1	1,725	121	B0-U0-G1	2,233	156	B2-U0-G1
TVLN-A-x-40-G2-3-x-730	40	320	3000	19	3,004	157	B1-U0-G1	2,291	120	B0-U0-G1	2,966	155	B2-U0-G1
TVLN-A-x-40-G2-4-x-730	40	440	3000	27	4,061	152	B1-U0-G1	3,097	116	B0-U0-G1	4,009	150	B3-U0-G1
TVLN-A-x-40-G2-5-x-730	40	560	3000	34	5,131	151	B1-U0-G2	3,913	115	B0-U0-G1	5,066	149	B3-U0-G1
TVLN-A-x-40-G2-7-x-730	40	712	3000	44	6,464	148	B1-U0-G2	4,929	113	B1-U0-G1	6,382	146	B3-U0-G2
TVLN-A-x-40-G2-9-x-730	40	980	3000	63	8,715	138	B1-U0-G2	6,645	105	B1-U0-G2	8,604	136	B3-U0-G2
TVLN-A-x-40-G2-12-x-730	40	1230	3000	79	10,692	135	B2-U0-G2	8,153	103	B1-U0-G2	10,556	134	B4-U0-G2
TVLN-A-x-40-G2-13-x-730	40	1380	3000	89	12,004	135	B2-U0-G2	9,154	103	B1-U0-G2	11,852	133	B4-U0-G2
TVLN-A-x-40-G2-15-x-730	40	1588	3000	103	13,534	131	B2-U0-G2	10,321	100	B1-U0-G2	13,362	130	B4-U0-G3
TVLN-A-x-40-G2-18-x-730	40	1800	3000	118	15,069	128	B2-U0-G3	11,491	97	B1-U0-G2	14,878	126	B4-U0-G3
TVLN-A-x-40-G2-10H-x-730	40	1050	3000	137	16,855	123	B2-U0-G3	12,853	94	B1-U0-G2	16,641	122	B4-U0-G3
TVLN-A-x-40-G2-12H-x-730	40	1200	3000	160	18,807	118	B2-U0-G3	14,341	90	B1-U0-G3	18,568	116	B5-U0-G3
TVLN-A-x-40-G2-2-x-740	40	240	4000	14	2,386	167	B1-U0-G1	1,820	127	B0-U0-G1	2,356	165	B2-U0-G1
TVLN-A-x-40-G2-3-x-740	40	320	4000	19	3,170	166	B1-U0-G1	2,417	127	B0-U0-G1	3,129	164	B2-U0-G1
TVLN-A-x-40-G2-4-x-740	40	440	4000	27	4,285	160	B1-U0-G1	3,268	122	B0-U0-G1	4,231	158	B3-U0-G1
TVLN-A-x-40-G2-5-x-740	40	560	4000	34	5,414	159	B1-U0-G2	4,128	121	B1-U0-G1	5,345	157	B3-U0-G1
TVLN-A-x-40-G2-7-x-740	40	712	4000	44	6,821	156	B1-U0-G2	5,201	119	B1-U0-G2	6,734	154	B3-U0-G2
TVLN-A-x-40-G2-9-x-740	40	980	4000	63	9,196	146	B1-U0-G2	7,012	111	B1-U0-G2	9,079	144	B4-U0-G2
TVLN-A-x-40-G2-12-x-740	40	1230	4000	79	11,282	143	B2-U0-G2	8,603	109	B1-U0-G2	11,139	141	B4-U0-G2
TVLN-A-x-40-G2-13-x-740	40	1380	4000	89	12,667	142	B2-U0-G2	9,659	109	B1-U0-G2	12,506	141	B4-U0-G3
TVLN-A-x-40-G2-15-x-740	40	1588	4000	103	14,281	139	B2-U0-G3	10,890	106	B1-U0-G2	14,100	137	B4-U0-G3
TVLN-A-x-40-G2-18-x-740	40	1800	4000	118	15,901	135	B2-U0-G3	12,125	103	B1-U0-G2	15,699	133	B4-U0-G3
TVLN-A-x-40-G2-10H-x-740	40	1050	4000	137	17,785	130	B2-U0-G3	13,562	99	B1-U0-G2	17,559	128	B4-U0-G3
TVLN-A-x-40-G2-12H-x-740	40	1200	4000	160	19,845	124	B2-U0-G3	15,133	95	B1-U0-G3	19,593	123	B5-U0-G3

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

Note: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

TVLN TownView

Post top and arm mount luminaire

LED Lumen and Wattage Values: TVLN-Sx (No Panels - Post Top)

Ordering Code	LED qty.	System Current (mA).	Color Temp.	Avg. System Wattage (W)	Type 2M			Type 2MH			Type 3W			Type 3WH		
					Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
TVLN-Sx-x-40-G2-2-x-730	40	240	3000	14	2,129	149	B1-U0-G1	1,609	113	B0-U0-G1	2,157	151	B1-U0-G1	1,696	119	B0-U0-G1
TVLN-Sx-x-40-G2-3-x-730	40	320	3000	19	2,827	148	B1-U0-G1	2,138	112	B1-U0-G1	2,865	150	B1-U0-G1	2,253	118	B0-U0-G1
TVLN-Sx-x-40-G2-4-x-730	40	440	3000	27	3,823	143	B1-U0-G1	2,890	108	B1-U0-G1	3,873	145	B1-U0-G1	3,046	114	B1-U0-G1
TVLN-Sx-x-40-G2-5-x-730	40	560	3000	34	4,830	142	B1-U0-G1	3,652	107	B1-U0-G1	4,893	144	B1-U0-G1	3,849	113	B1-U0-G1
TVLN-Sx-x-40-G2-7-x-730	40	712	3000	44	6,084	139	B2-U0-G2	4,600	105	B1-U0-G1	6,165	141	B2-U0-G2	4,849	111	B1-U0-G1
TVLN-Sx-x-40-G2-9-x-730	40	980	3000	63	8,203	130	B2-U0-G2	6,202	98	B1-U0-G2	8,311	132	B2-U0-G2	6,537	103	B1-U0-G2
TVLN-Sx-x-40-G2-12-x-730	40	1230	3000	79	10,064	127	B3-U0-G3	7,609	96	B1-U0-G2	10,197	129	B2-U0-G2	8,020	102	B1-U0-G2
TVLN-Sx-x-40-G2-13-x-730	40	1380	3000	89	11,299	127	B3-U0-G3	8,543	96	B1-U0-G2	11,448	129	B3-U0-G3	9,005	101	B1-U0-G2
TVLN-Sx-x-40-G2-15-x-730	40	1588	3000	103	12,740	124	B3-U0-G3	9,632	94	B2-U0-G2	12,908	125	B3-U0-G3	10,153	99	B1-U0-G2
TVLN-Sx-x-40-G2-18-x-730	40	1800	3000	118	14,184	120	B3-U0-G3	10,725	91	B2-U0-G2	14,372	122	B3-U0-G3	11,304	96	B1-U0-G2
TVLN-Sx-x-40-G2-10H-x-730	40	1050	3000	137	15,865	116	B3-U0-G3	11,996	88	B2-U0-G2	16,074	117	B3-U0-G3	12,644	92	B1-U0-G2
TVLN-Sx-x-40-G2-12H-x-730	40	1200	3000	160	17,703	111	B3-U0-G3	13,385	84	B2-U0-G2	17,936	112	B3-U0-G3	14,108	88	B2-U0-G2
TVLN-Sx-x-40-G2-2-x-740	40	240	4000	14	2,246	157	B1-U0-G1	1,698	119	B0-U0-G1	2,276	159	B1-U0-G1	1,790	125	B0-U0-G1
TVLN-Sx-x-40-G2-3-x-740	40	320	4000	19	2,983	156	B1-U0-G1	2,256	118	B1-U0-G1	3,023	158	B1-U0-G1	2,378	125	B0-U0-G1
TVLN-Sx-x-40-G2-4-x-740	40	440	4000	27	4,033	151	B1-U0-G1	3,050	114	B1-U0-G1	4,087	153	B1-U0-G1	3,214	120	B1-U0-G1
TVLN-Sx-x-40-G2-5-x-740	40	560	4000	34	5,096	149	B2-U0-G2	3,853	113	B1-U0-G1	5,163	151	B1-U0-G1	4,061	119	B1-U0-G1
TVLN-Sx-x-40-G2-7-x-740	40	712	4000	44	6,420	147	B2-U0-G2	4,854	111	B1-U0-G1	6,505	149	B2-U0-G2	5,117	117	B1-U0-G2
TVLN-Sx-x-40-G2-9-x-740	40	980	4000	63	8,656	137	B2-U0-G2	6,544	104	B1-U0-G2	8,770	139	B2-U0-G2	6,898	109	B1-U0-G2
TVLN-Sx-x-40-G2-12-x-740	40	1230	4000	79	10,619	134	B3-U0-G3	8,029	102	B1-U0-G2	10,759	136	B3-U0-G3	8,463	107	B1-U0-G2
TVLN-Sx-x-40-G2-13-x-740	40	1380	4000	89	11,923	134	B3-U0-G3	9,015	101	B1-U0-G2	12,080	136	B3-U0-G3	9,502	107	B1-U0-G2
TVLN-Sx-x-40-G2-15-x-740	40	1588	4000	103	13,442	131	B3-U0-G3	10,164	99	B2-U0-G2	13,620	132	B3-U0-G3	10,713	104	B1-U0-G2
TVLN-Sx-x-40-G2-18-x-740	40	1800	4000	118	14,967	127	B3-U0-G3	11,317	96	B2-U0-G2	15,165	129	B3-U0-G3	11,928	101	B1-U0-G2
TVLN-Sx-x-40-G2-10H-x-740	40	1050	4000	137	16,740	122	B3-U0-G3	12,657	92	B2-U0-G2	16,961	124	B3-U0-G3	13,341	97	B2-U0-G2
TVLN-Sx-x-40-G2-12H-x-740	40	1200	4000	160	18,679	117	B3-U0-G3	14,124	88	B2-U0-G2	18,926	118	B3-U0-G3	14,886	93	B2-U0-G3

Ordering Code	LED qty.	System Current (mA).	Color Temp.	Avg. System Wattage (W)	Type 4			Type 4H			Type 5		
					Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
TVLN-Sx-x-40-G2-2-x-730	40	240	3000	14	2,166	152	B0-U0-G1	1,665	116	B0-U0-G1	2,190	153	B2-U0-G1
TVLN-Sx-x-40-G2-3-x-730	40	320	3000	19	2,877	151	B1-U0-G1	2,211	116	B0-U0-G1	2,909	152	B2-U0-G1
TVLN-Sx-x-40-G2-4-x-730	40	440	3000	27	3,890	145	B1-U0-G1	2,990	112	B0-U0-G1	3,934	147	B3-U0-G1
TVLN-Sx-x-40-G2-5-x-730	40	560	3000	34	4,914	144	B1-U0-G2	3,778	111	B0-U0-G1	4,970	146	B3-U0-G1
TVLN-Sx-x-40-G2-7-x-730	40	712	3000	44	6,191	142	B1-U0-G2	4,759	109	B1-U0-G1	6,261	143	B3-U0-G2
TVLN-Sx-x-40-G2-9-x-730	40	980	3000	63	8,347	132	B1-U0-G2	6,416	102	B1-U0-G2	8,441	134	B3-U0-G2
TVLN-Sx-x-40-G2-12-x-730	40	1230	3000	79	10,240	130	B2-U0-G2	7,872	100	B1-U0-G2	10,356	131	B4-U0-G2
TVLN-Sx-x-40-G2-13-x-730	40	1380	3000	89	11,497	129	B2-U0-G2	8,838	99	B1-U0-G2	11,627	131	B4-U0-G2
TVLN-Sx-x-40-G2-15-x-730	40	1588	3000	103	12,963	126	B2-U0-G2	9,964	97	B1-U0-G2	13,109	127	B4-U0-G3
TVLN-Sx-x-40-G2-18-x-730	40	1800	3000	118	14,433	122	B2-U0-G3	11,095	94	B1-U0-G2	14,596	124	B4-U0-G3
TVLN-Sx-x-40-G2-10H-x-730	40	1050	3000	137	16,143	118	B2-U0-G3	12,409	91	B1-U0-G2	16,326	119	B4-U0-G3
TVLN-Sx-x-40-G2-12H-x-730	40	1200	3000	160	18,013	113	B2-U0-G3	13,846	87	B1-U0-G3	18,217	114	B5-U0-G3
TVLN-Sx-x-40-G2-2-x-740	40	240	4000	14	2,286	160	B1-U0-G1	1,757	123	B0-U0-G1	2,311	162	B2-U0-G1
TVLN-Sx-x-40-G2-3-x-740	40	320	4000	19	3,036	159	B1-U0-G1	2,334	122	B0-U0-G1	3,070	161	B2-U0-G1
TVLN-Sx-x-40-G2-4-x-740	40	440	4000	27	4,104	153	B1-U0-G1	3,155	118	B0-U0-G1	4,151	155	B3-U0-G1
TVLN-Sx-x-40-G2-5-x-740	40	560	4000	34	5,185	152	B1-U0-G2	3,986	117	B1-U0-G1	5,244	154	B3-U0-G2
TVLN-Sx-x-40-G2-7-x-740	40	712	4000	44	6,533	150	B1-U0-G2	5,022	115	B1-U0-G2	6,607	151	B3-U0-G2
TVLN-Sx-x-40-G2-9-x-740	40	980	4000	63	8,807	139	B1-U0-G2	6,770	107	B1-U0-G2	8,907	141	B4-U0-G2
TVLN-Sx-x-40-G2-12-x-740	40	1230	4000	79	10,806	137	B2-U0-G2	8,306	105	B1-U0-G2	10,928	138	B4-U0-G2
TVLN-Sx-x-40-G2-13-x-740	40	1380	4000	89	12,132	136	B2-U0-G2	9,326	105	B1-U0-G2	12,269	138	B4-U0-G3
TVLN-Sx-x-40-G2-15-x-740	40	1588	4000	103	13,678	133	B2-U0-G3	10,514	102	B1-U0-G2	13,833	134	B4-U0-G3
TVLN-Sx-x-40-G2-18-x-740	40	1800	4000	118	15,230	129	B2-U0-G3	11,707	99	B1-U0-G2	15,402	131	B4-U0-G3
TVLN-Sx-x-40-G2-10H-x-740	40	1050	4000	137	17,034	124	B2-U0-G3	13,094	96	B1-U0-G2	17,226	126	B4-U0-G3
TVLN-Sx-x-40-G2-12H-x-740	40	1200	4000	160	19,007	119	B2-U0-G3	14,610	91	B1-U0-G3	19,222	120	B5-U0-G3

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

Note: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

TVLN TownView

Post top and arm mount luminaire

Specifications

Housing

Roof and Cage: Two Style options
C: Curved Roof and **S:** Square Roof. Tool-less latch made of stainless steel allows for quick access inside of the hinged roof to locate the driver, surge protector and optional FAWs (field adjustable wattage solution). Roof and Cage made of 360 die-cast aluminum alloy, low copper for high resistance to corrosion. Decorative Cupola on top of roof covers the 7 pin NEMA socket. Cupola rotatable 360 degrees, easily field removable by loosening two (2) hex head slotted screws that accept 1/4" flat blade screwdriver. If using a taller node other than Interact City that requires a taller cupola, please contact factory.
N: No internal flat lens for optimal performance
Fitter: Two fitter options. **L:** Large Utility Fitter with tool-less door to access the terminal block and wiring. Available in 3" or 4", both made of 360 die cast aluminum alloy, low cooper for high resistance to corrosion. Large 4" fitter uses a secondary adapter to achieve 4" opening.
Or **S:** Small Fitter. Small fitter available in 2-3/8" (integral cast centering ribs), 3" or 4". Small 2-3/8" and 3" both made of 360 die cast aluminum alloy, low copper for high resistance to corrosion. Small 4" made of 356 HM High-Strength cast aluminum, low copper for high resistance to corrosion. All hardware corrosion resistant stainless steel.
All fitter options use four (4) black cadmium corrosion resistant stainless steel hex head bolts at 90 degrees.

Light Engine

Composed of 4 main components: **LED Module / Optical System / Heat Sink / Driver.**
Electrical components are RoHS compliant, IP66 sealed light engine. LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines, extrapolations in accordance with IESNA TM-21. Metal core board ensures greater heat transfer and longer lifespan.

LED Module

Composed of high-performance white LEDs. Color temperature as per ANSI/NEMA bin, 3000 Kelvin nominal (3045K +/- 175K) or 4000 Kelvin nominal (3985K +/- 275K), CRI 70 Min. 75 Typical.

Heat Sink

Made of aluminum alloy, low copper for high resistance to corrosion, optimizing the LEDs efficiency and life. Product does not use any cooling device with moving parts (only passive cooling device). Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +40°C / +104°F.

Optical System

Composed of high performance UV stabilized optical grade polymer refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity. System is rated IP66. Performance shall be tested per LM-63, LM-79 and TM-15 (IESNA) certifying its photometric performance. Type **2M, 3W, 4** and **Type 5** (street side indicated on asymmetric distributions). House side shield optional (can be field installed)
2MH, 3WH, 4H: Types 2M, 3W, 4 with House-side shield. Crosswalk optics also available - contact factory for information and lead time.

Driver

Driver comes standard with 0-10V dimming capability. High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277, 347 and 480 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max. Maximum ambient operating temperature from 40°F (4°C) to 130°F (55°C). Certified in compliance to UL1310 cULus requirement (dry and damp location). The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min). Due to the inrush current that occurs with electronic drivers, recommend using a time-delay or slow blow fuse to avoid unwanted fuse blowing (false tripping) that can occur with normal or fast acting fuses.

Integrated Features

Please note that these integrated features always come with the luminaire.

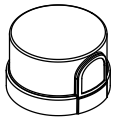
R7*: Tool less rotatable receptacle with 7 pins enabling dimming and additional functionality (to be determined), can be used with a twist lock Interact City node or photoelectric cell or a shorting cap.
*Use of photoelectric cell or shorting cap is required to ensure proper illumination.

SP1: Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level 10kV/10kA.
SP2: Optional 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.
NEMA Labels: Installed NEMA label, ANSI C136.15-2015 compliant. Consult factory for other labeling needs.

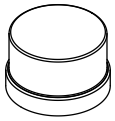
Driver and Luminaire Options

DL: Pre-set driver compatible with the DALI control system. Logarithmic standard; requires more information - contact factory.
S: FAWS Field Adjustable Wattage Selector, pre-set to the highest position, can be easily switched in the field to the required position. This reduces total luminaire wattage consumption and reduces the light level – see the FAWS multiplier chart for more details.
Note: It is not recommended to use FAWS with other dimming or controls; if you do, set the switch to position 10 (maximum output) to enable the other dimming or controls. Switching FAWS to any position other than 10 will disable the other dimming or controls.

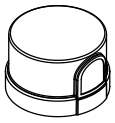
PH8: 7 Pin Tooless rotatable standard - with photocell. Photocell has dimensional limits: 3" dia x 2" tall (for non black finishes only)



PH9: 7 Pin Tooless rotatable standard - with shorting cap



PHX: 7 Pin Tooless rotatable standard - with long life photocell. Photocell has dimensional limits: 3" dia x 2" tall (for non black finishes only)



L: Decorative Ladder Rest. Ships in the box, install on site

B: Bird Guard optional. Attaches with two screws to the electrical cover. Can be ordered with the fixture or installed as a separate option later.

TVLN TownView

Post top and arm mount luminaire

Specifications (continued)

Connected Lighting

Interact City connector node provides the plug and play wireless communications technology to connect your street light to the Interact City lighting management system. With Interact you can remotely manage, monitor and control all city lighting, from roads and streets, to parks and plazas, and bridges from one single system. Connected lighting enables capabilities including, accurate on/off switching, dimming control, fault reporting and integration with other systems to enable condition-based lighting. Interact provides you with a robust and scalable infrastructure to further reduce energy consumption, improve operations, and turn lighting into a connected network for your smart city journey. For more details visit: interact-lighting.com/en-us/what-is-possible/interact-city

Luminaire Useful Life

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, exclusive Signify System Reliability Tool, Advance driver data and LED manufacturer LM-80/TM-21 data, expected to reach 100,000 + hours with >L70 lumen maintenance @ 25°C. Luminaire Useful Life accounts for LED lumen maintenance AND all of these additional factors including: LED color shift, LED life, driver life, PCB substrate, solder joints, on/off cycles, burning hours and corrosion. Lifetime statements do not include the use of controls, including networked controllers.

Wiring

18AWG wire, 6" (15mm) minimum extending from luminaire.

Optional Terminal block

Terminal block connector 600V, 85A for use with #14-2 AWG wires from the primary circuit, located inside the housing.

Hardware and Seals

All non-ferrous fasteners prevent corrosion and ensure longer life. All seals and sealing devices are made and/or lined with EPDM silicone rubber.

Finish

Color in accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with ±1 mils / 24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard.
The standard finishes achieve a minimum scribe rating of 9 per ASTM D1654 after a minimum of 5000 hours salt spray in accordance with testing performed per ASTM B117 standard.

BKS:	Black Smooth
WHS:	White Smooth
BZS:	Bronze Smooth
GNS:	Green Smooth
BK:	Black Texture
WH:	White Texture
BZ:	Bronze Texture
GN:	Green Texture

LED products manufacturing standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340-5-1 and ANSI/ESD S20.20 standards to eliminate ESD events that could decrease the useful life of the product.

Vibration Resistance

S2, S3, S4 fitters and arm mount meets the ANSI C136.31, American National Standard for Roadway Luminaire Vibration specifications for Bridge/overpass applications (Tested for 3G over 100,000 cycles).

Certifications and Compliance

cETLus Listed for Canada and U.S. to the UL 1598 and UL8750 standards suitable for Wet Locations. The quality systems of the facility where manufactured have been registered by UL to the ISO 9001 series standards. LM80 & LM79 tested. Luminaire complies with or exceeds the following ANSI C136 standards: .2, .3, .4 .10, .15, .16, .22, .25, .31, .37, .41.

IP Ratings

IP66 rated LED light engine.

Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the APP and register your product right away.

For more details visit: signify.com/global/service-tag

Brackets and Poles

Visit the website for pole and post top bracket options

Warranty

5-year limited warranty. Options available for extended warranties – contact factory. See signify.com/warranties for details and restrictions.

Buy American Act of 1933 (BAA)

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA.

This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.

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