

LLTVAL Series Area Light

Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

OVERVIEW

Wattage (W)	150/120/100/80W Selectable 240/220/200/170W Selectable 310/280/260/240W Selectable
Lumen Package (lm)	Up to 46,500 lm
Color Temperature (CCT)	3000K/4000K/5000K Selectable
Efficacy (lm/W)	Up to 150 lm/W



DETAILS

This shoebox area light is sealed against moisture and environmental elements. 3G vibration rated to withstand higher levels of vibration from wind, machinery, traffic or seismic activity. Provides an output of up to 46,500 lumens, a luminous efficacy of up to 150 lm/W, and 3000K/4000K/5000K selectable color temperature. Wattage-selectable feature enables you to set the best light for your application. Customize the project even further with available smart controls such as dimming, motion sensing, and daylight detecting.

KEY FEATURES

- Lumen Output Up to 46,500 lm
- Wattage & CCT Selectable
- Designed to withstand wind, vibrations, and the elements
- Photocell, motion sensor, external light control shield available

APPLICATIONS

- Highways
- Industrial Areas
- Bridges
- Heavy Construction
- Parking Lots
- Streets
- Area Lighting



150/120/100/80W



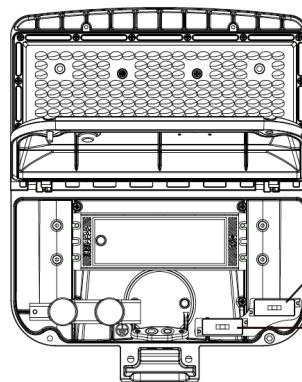
240/220/200/170W



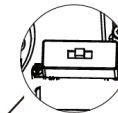
310/280/260/240W

DIP SWITCH

The power and color temperature could be set by the DIP switch.

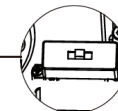


1. Unscrew the driver cover screws
2. Open the driver cover



CCT Select Technology

Adjust CCT between 3000/4000/5000K, 5000K default setting.



Power Select Technology

Size	Power Selection	Default Setting
Small	Adjust power between 80/100/120/150W	150W
Medium	Adjust power between 170/200/220/240W	240W
Large	Adjust power between 240/260/280/310W	310W

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SPECIFICATIONS

Wattage & Lumens	150W Selectable (150/120/100/80W), Up to 22,550 lumens 240W Selectable (240/220/200/170W), Up to 36,000 lumens 310W Selectable (310/280/260/240W), Up to 46,500 lumens
Efficacy	Up to 150 lm/W
CCT	3000K/4000K/5000K Selectable
CRI (Ra)	70
Controls	0-10V Dimming Integral Sensor Receptacle CCT & Power Selectable
Input Voltage	120-277VAC / 120-347VAC / 277-480VAC, 50/60Hz
Power Supply	Sosen
Driver Type	Constant Current (CC)
Power Factor	>0.95
LED Type	2835 for 120-277V; 3030 for 277-480V
Average Lifetime	L90: 47,000 hours L70: 54,000 hours
Beam Angle	Type III, Type IV, Type V
Mounting	Pole Mount, Wall Mount, Slipfitter, Trunnion Mount
EPA	80-150W: 0.021 m ² / 0.23 ft ² 170-240W: 0.023 m ² / 0.25 ft ² 240-310W: 0.033 m ² / 0.35 ft ²
Operating Temperature	-40°C to +45°C (-40°F to +113°F)
Material	Rugged, Sealed Die-Cast Aluminum, with 3G Vibration Rating
Fixture Color	Dark Bronze (Black, White and Silver Grey - Call for Availability)
Finish	Powder Coated
Surge Protection	10kV (120-277VAC/120-347VAC), 20kV (277-480VAC)
IP Rating	IP65
IK Rating	IK10
Certifications	DLC Premium, UL
Warranty	5 Years

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ORDERING GUIDE

Example: **LLTVAL-150W-CS-T3-PM**

SKU Root	Wattage/Lumens	CCT	Beam	Mounting	Sensor	Voltage
LLTVAL-	-150W - 150/120/100/80W, Up to 22,550 lm -240W - 240/220/200/170W, Up to 36,000 lm -310W - 310/280/260/240W, Up to 46,500 lm	CS - 3000K/4000K/5000K Selectable	-T3 - Type III -T4 - Type IV -T5 - Type V	-PM - Square & Round Pole Mount Arm -PA - Adjustable Square & Round Pole Mount Arm -SF - Slipfitter Mount -WM - Wall Mount -TR - Trunnion Mount -UB - Universal Bracket	Blank - None -PC - Photocell Sensor Cap -PR - PIR Motion Sensor -PCPR - Photocell Sensor Cap/ PIR Motion Sensor	Blank - 120-277VAC -347 - 120-347VAC -480 - 277-480VAC

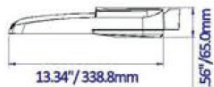
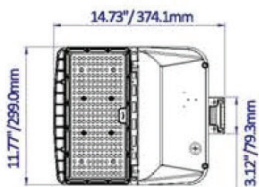
Note: Sensors or photocells must be ordered at time of purchase. Cannot be added later.

PRODUCT DIMENSIONS

DIMENSIONS	150/120/100/80W	240/220/200/170W	310/280/260/240W
Product Dimension	338.8 x 299 x 65 mm (13.34" x 11.77" x 2.56")	378.6 x 299 x 65 mm (14.9" x 11.77" x 2.56")	509.8 x 299 x 62 mm (20.07" x 11.77" x 3.23")
Luminaire Net Weight	3.25 kg (7.2 lbs)	4.14 kg 9.1 lbs)	5.12 kg (11.3 lbs)
Export Carton Size	400 x 340 x 150 mm (15.75" x 13.39" x 5.91")	440 x 340 x 150 mm (17.32" x 13.39" x 5.91")	570 x 340 x 160 mm (22.44" x 13.39" x 6.3")
Gross Weight (100-277V)	3.5 kg (7.72 lbs)	4.3 kg (9.48 lbs)	5.36 kg (11.82 lbs)
Gross Weight (277-480V)	4.33 kg (9.55 lbs)	5.1 kg (11.24 lbs)	6.52 kg (14.37 lbs)

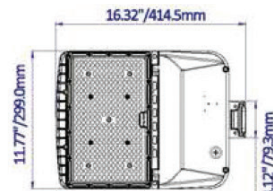
80W / 100W / 120W / 150W

Without Mounting Bracket



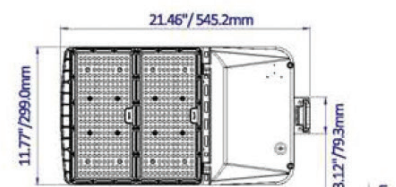
Net Weight: 7.2Lbs/3.25kgs

170W / 200W / 220W / 240W



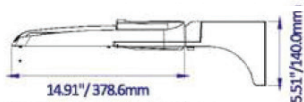
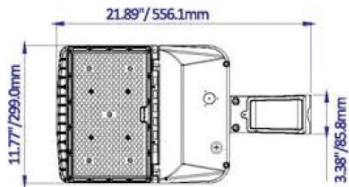
Net Weight: 9.1Lbs/4.14kgs

240W / 260W / 280W / 310W

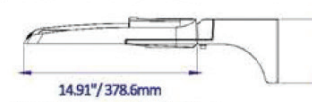
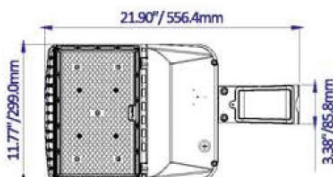


Net Weight: 11.3Lbs/5.12kgs

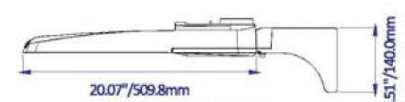
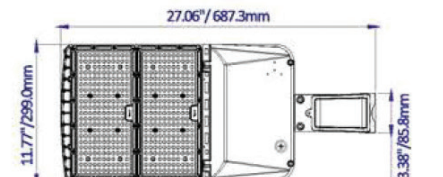
Square & Round Pole Mount - PM



Net Weight: 9.2Lbs/4.19kgs



Net Weight: 11.2Lbs/5.08kgs



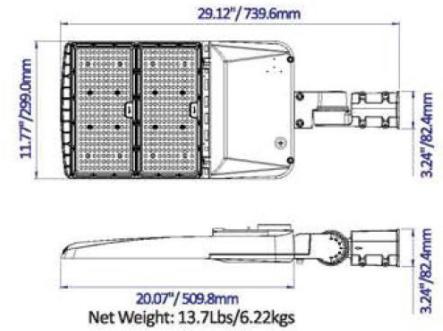
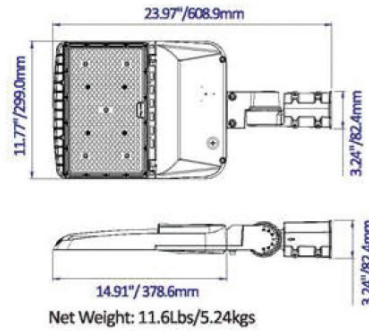
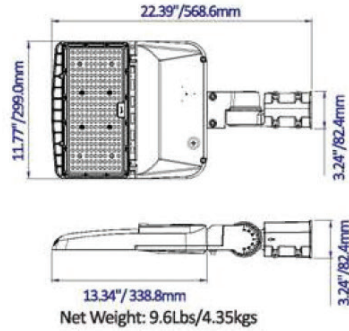
Net Weight: 13.3Lbs/6.06kgs

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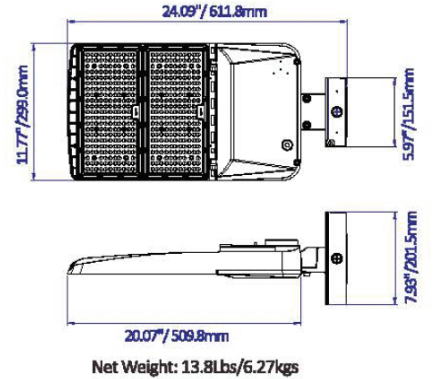
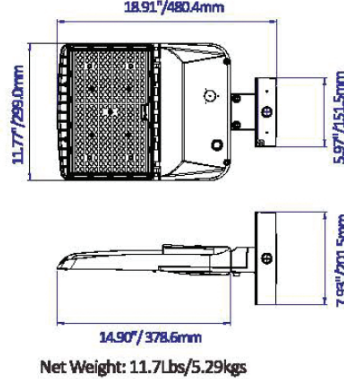
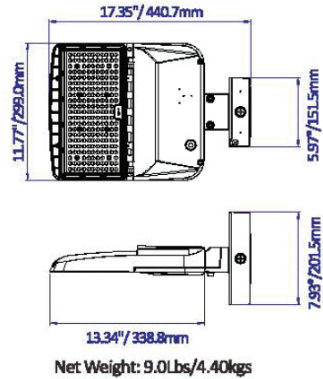
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PRODUCT DIMENSIONS (CONT'D)

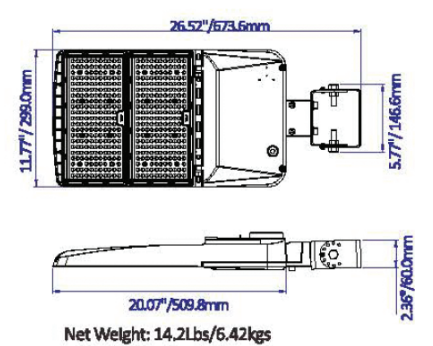
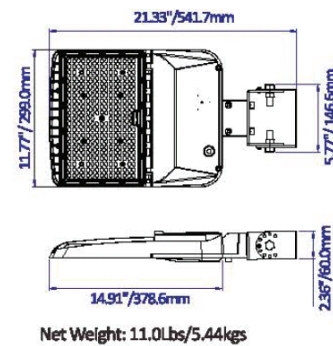
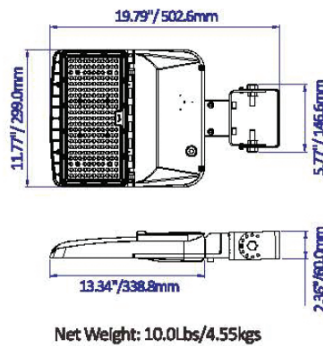
Slipfitter Mount - SF



Wall Mount - WM



Trunnion Mount - TR

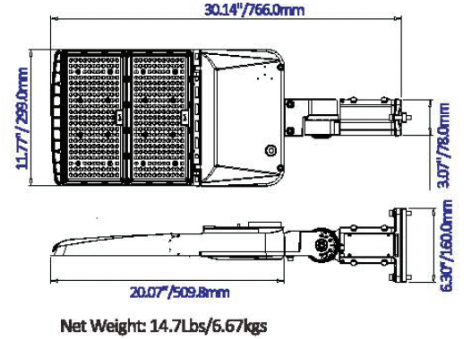
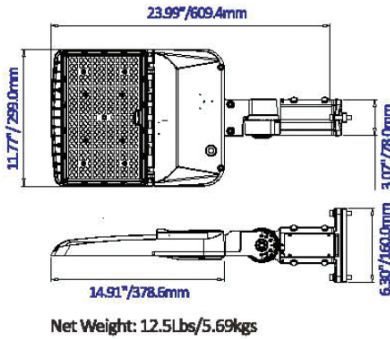
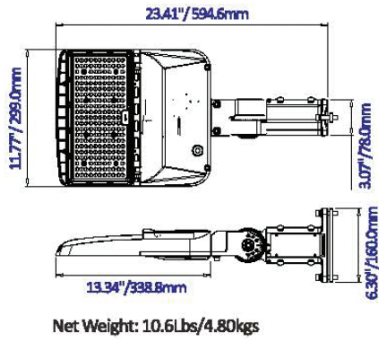


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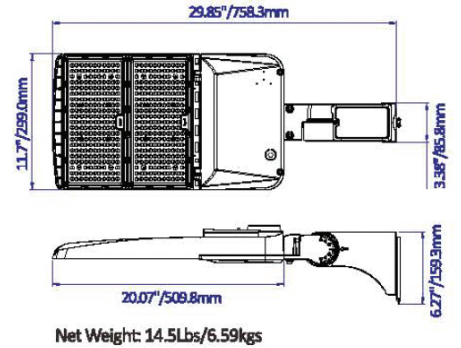
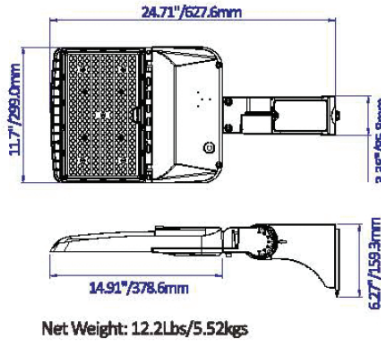
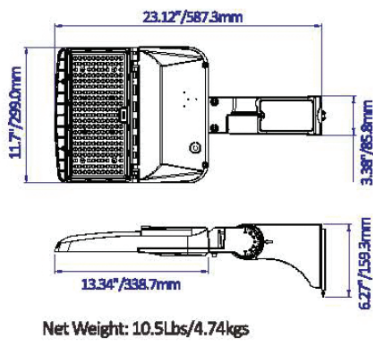
Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

PRODUCT DIMENSIONS (CONT'D)

Universal Bracket - UB



Adjustable Square & Round Pole Mount - PA



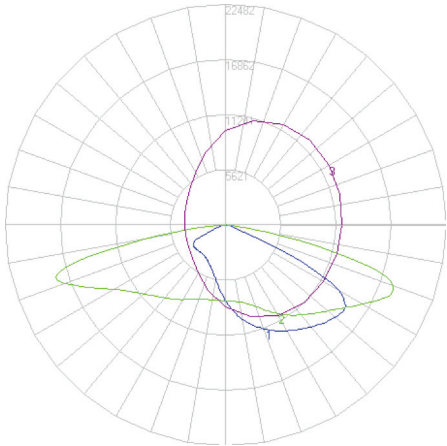
PERFORMANCE

Model	CRI	Wattage	Lens	B	U	G	3000K		4000K		5000K	
							Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
LLTVAL-150WCS-T3	70	150W	T3	3	0	3	21,750	145	22,200	148	22,500	150
LLTVAL-150WCS-T4	70	150W	T4	3	0	3	21,750	145	22,200	148	22,500	150
LLTVAL-150WCS-T5	70	150W	T5	4	0	1	21,750	145	22,200	148	22,500	150
LLTVAL-240WCS-T3	70	240W	T3	4	0	4	34,800	145	35,520	148	36,000	150
LLTVAL-240WCS-T4	70	240W	T4	4	0	4	34,800	145	35,520	148	36,000	150
LLTVAL-240WCS-T5	70	240W	T5	5	0	2	34,800	145	35,520	148	36,000	150
LLTVAL-310WCS-T3	70	310W	T3	4	0	4	44,950	145	45,880	148	46,500	150
LLTVAL-310WCS-T4	70	310W	T4	5	0	4	44,950	145	45,880	148	46,500	150
LLTVAL-310WCS-T5	70	310W	T5	4	0	2	44,950	145	45,880	148	46,500	150

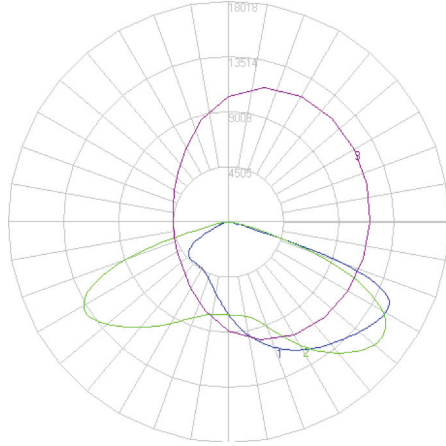
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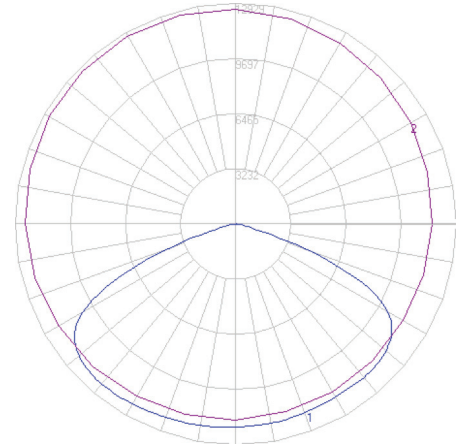
PHOTOMETRICS



T3



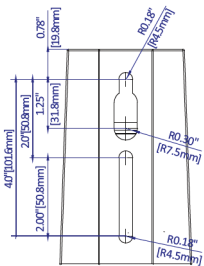
T4



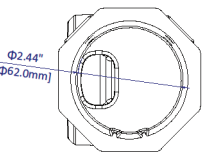
T5

MOUNTING

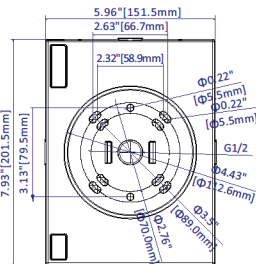
Square & Round Pole Mount (PM)



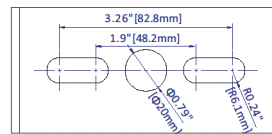
Slipfitter Mount (SF)



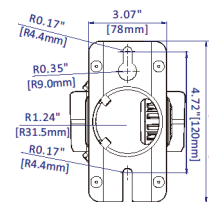
Wall Mount (WM)



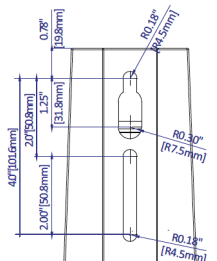
Trunnion Mount (TR)



Universal Bracket (UB)




Adjustable Square & Round Pole Mount (PA)












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Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

ACCESSORIES

SKU	Description	Image
<p>LLTASL-GS-150 LLTASL-GS-240 LLTASL-GS-310</p>	<p>External Half Glare Shield for 150/120/100/80W Selectable External Half Glare Shield for 240/220/200/170W Selectable External Half Glare Shield for 310/280/260/240W Selectable</p>	
<p>LLTASL-GSF-150 LLTASL-GSF-240 LLTASL-GSF-310</p>	<p>External 360 Full Visor for 150/120/100/80W Selectable External 360 Full Visor for 240/220/200/170W Selectable External 360 Full Visor for 310/280/260/240W Selectable</p>	

EPA (SQUARE AND ROUND POLE ARM)

Mounting Type	Tilt	EPA(ft ²)								
		Single	2@90	2@180	3@90	3@120	4@90	2 Side by Side	3 Side by Side	4 Side by Side
80W 100W 150W	0°									
	10°	0.23	0.41	0.42	0.60	0.54	0.80	0.46	0.69	0.91
	20°	0.18	0.35	0.35	0.53	0.46	0.69	0.35	0.53	0.71
	30°	0.17	0.34	0.34	0.51	0.44	0.67	0.34	0.52	0.69
	40°	0.21	0.37	0.39	0.54	0.48	0.74	0.42	0.64	0.85
	45°	0.27	0.40	0.45	0.58	0.55	0.80	0.54	0.81	1.08
	50°	0.30	0.42	0.50	0.60	0.58	0.83	0.61	0.91	1.21
	60°	0.45	0.61	0.72	0.87	0.85	1.21	0.89	1.34	1.79
	70°	0.73	0.99	1.19	1.41	1.39	1.96	1.47	2.20	2.94
	80°	0.95	1.38	1.57	1.96	1.90	2.74	1.90	2.86	3.81
90°	1.13	1.71	1.89	2.45	2.36	3.40	2.26	3.40	4.53	
200W 240W	0°	1.28	1.99	2.18	2.86	2.77	3.96	2.57	3.85	5.14
200W 240W	0°	0.25	0.44	0.46	0.65	0.58	0.87	0.50	0.75	0.99
	10°	0.19	0.38	0.38	0.57	0.50	0.75	0.38	0.58	0.77
	20°	0.19	0.37	0.37	0.55	0.48	0.73	0.37	0.56	0.75
	30°	0.23	0.40	0.43	0.59	0.53	0.80	0.46	0.69	0.92
	40°	0.29	0.44	0.49	0.63	0.60	0.87	0.59	0.88	1.17
	45°	0.33	0.45	0.54	0.66	0.63	0.90	0.66	0.99	1.32
	50°	0.49	0.66	0.79	0.95	0.93	1.31	0.97	1.46	1.94
	60°	0.80	1.08	1.29	1.54	1.51	2.13	1.60	2.30	3.20
	70°	1.04	1.50	1.70	2.13	2.07	2.97	2.07	3.11	4.14
	80°	1.23	1.86	2.05	2.66	2.57	3.70	2.46	3.69	4.92
90°	1.39	2.16	2.37	3.11	3.01	4.30	2.79	4.19	5.58	
310W	0°	0.35	0.62	0.64	0.91	0.82	1.21	0.69	1.04	1.39
	10°	0.27	0.54	0.53	0.80	0.69	1.06	0.54	0.81	1.08
	20°	0.19	0.37	0.37	0.55	0.48	0.73	0.37	0.56	0.75
	30°	0.26	0.52	0.52	0.77	0.67	1.02	0.52	0.79	1.05
	40°	0.41	0.61	0.68	0.88	0.84	1.21	0.82	1.23	1.64
	45°	0.46	0.63	0.76	0.92	0.89	1.26	0.92	1.38	1.85
	50°	0.68	0.93	1.10	1.32	1.30	1.84	1.36	2.04	2.72
	60°	1.12	1.51	1.81	2.15	2.12	2.99	2.24	3.35	4.47
	70°	1.45	2.09	2.38	2.99	2.90	4.16	2.90	4.35	5.79
	80°	1.72	2.60	2.88	3.72	3.60	5.18	3.44	5.17	6.89
90°	1.95	3.02	3.32	4.35	4.22	6.03	3.91	5.86	7.82	