

SPECIFICATIONS

Construction:

- Constructed from rugged die-cast aluminum, the Amber Area Light incorporates advanced heat sinking and flow-through venting for optimal thermal performance, improving LED efficiency and longevity. The fully sealed housing safeguards internal components from moisture and environmental exposure. Its 3G vibration-rated, compact design minimizes wind load, and the low EPA supports optimized pole selection.

Optics:

- Available in IES Type III, IV, V distributions
- Light engines are Turtle & wildlife friendly, 590nm amber light.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
- The optics can conform to dark sky requirement.

Electrical:

- Universal 120-277 VAC or 347-480 VAC input voltage
- 10KA(@120-277V) or 20KA(@480V) surge protection
- Standard with 0-10V dimming driver(s) from 5% to 100% *
- THD: ≤20%
- Power Factor: ≥90%
- 2FT (24") long power cord provided for easier installation.

Controls:

- Optional PIR sensor, Max mounting 39.4ft.
- Optional NEMA 3-pin photocell or 7-pin photocell.

Ambient Temperature:

- Ambient operating temperature -40°F to 113°F.

Installation:

- Mounting heights ranging from 26-50ft in area lighting applications.
- Round pole, Square pole, slipfitter, wall mount and Trunnion are available.

Lifespan:

- Estimated 70,000-hour LED lifespan based
- on IES LM-80 results and TM-21 calculations

Project:	Date
Type:	
Model:	



ORDER INFORMATION

EXAMPLE: YTAL-WS120-Y-AMB-3M-SF-BK



Series	Wattage Selectable	Voltage	LED Color	Optics	Mounting	Photocell	Sensor options	Back-light Shield	Finish	0-10V Dimming
YTAL Amber LED Area Light Turtle Friendly	WS120 (120W / 95W / 80W / 65W)	Y 120-277V	AMB Amber 590nm	3M	SF Slipfitter	Blank No photocell	Blank No sensor	Blank No shield	BK Black	Blank No Dimming
				4M	TR Trunnion	PC with photocell	MS Motion Sensor	FVS Full Visor Shield	WH White	
	WS240 (240W / 220W / 200W / 170W)	HV 480V		5M	WM Wall Mount	PCHV with photocell 277-480VAC	MSB Motion Sensor w/ Bluetooth	HGS Half Glare Shield	BZ Bronze	DIM 0-10V Dimming Dims down to 0%
					SRP Square & Round Pole Mount	SC Shorting Cap				
UBM Universal Bracket Mount										
ASRP Adjustable Square & Round Pole Mount										

Enter configuration:

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

PERFORMANCE DATA

Model	Wattage	Lumens	Efficacy	LED Color	Power Factor	Frequency	Voltage
YTAL	120W	3,120	26	Amber 590nm	>0.9	50/60Hz	120-277V / 277-480V

Model	Wattage	Lumens	Efficacy	LED Color	Power Factor	Frequency	Voltage
YTAL	240W	5,280	22	Amber 590nm	>0.9	50/60Hz	120-277V / 277-480V

ELECTRICAL DATA

Model Series	Wattage(W)	Current (A)			
		Input Voltage (V)			
		120	208	240	277
YTAL WS120	120	1.11	0.64	0.56	0.48
	95	0.88	0.51	0.44	0.38
	80	0.74	0.43	0.37	0.32
	65	0.60	0.35	0.30	0.26
YTAL WS240	240	2.22	1.28	1.11	0.96
	220	2.04	1.18	1.02	0.88
	200	1.85	1.07	0.93	0.80
	170	1.57	0.91	0.79	0.68

WATTAGE SELECTABLE



Wattage Selectable

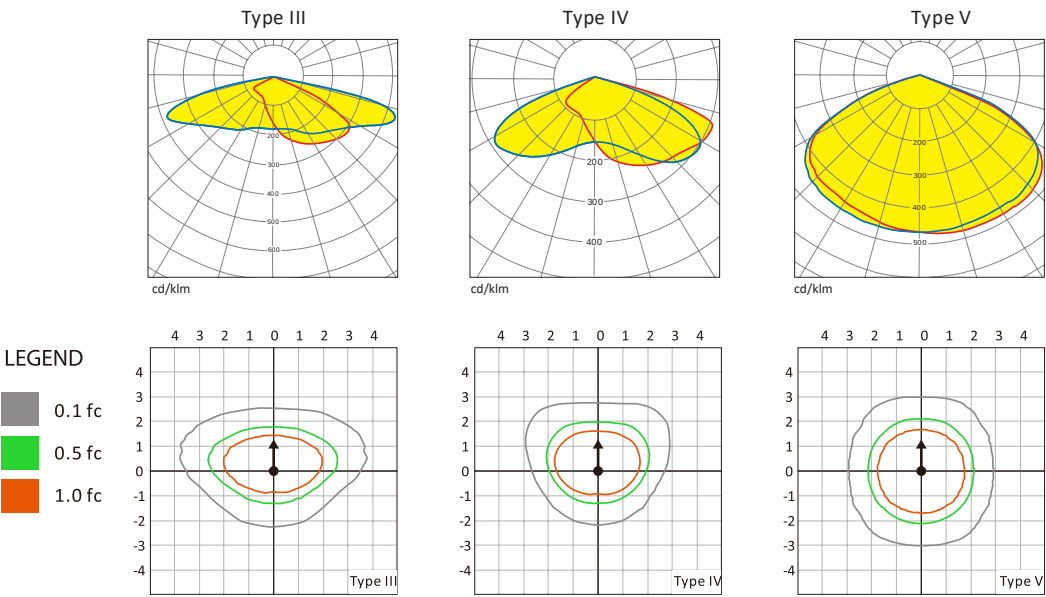
Model	Power Selection	Default Setting
WS120	120/95/80/65W	120W
WS240	240/220/200/170W	240W

EPA (Square and round poles arm)

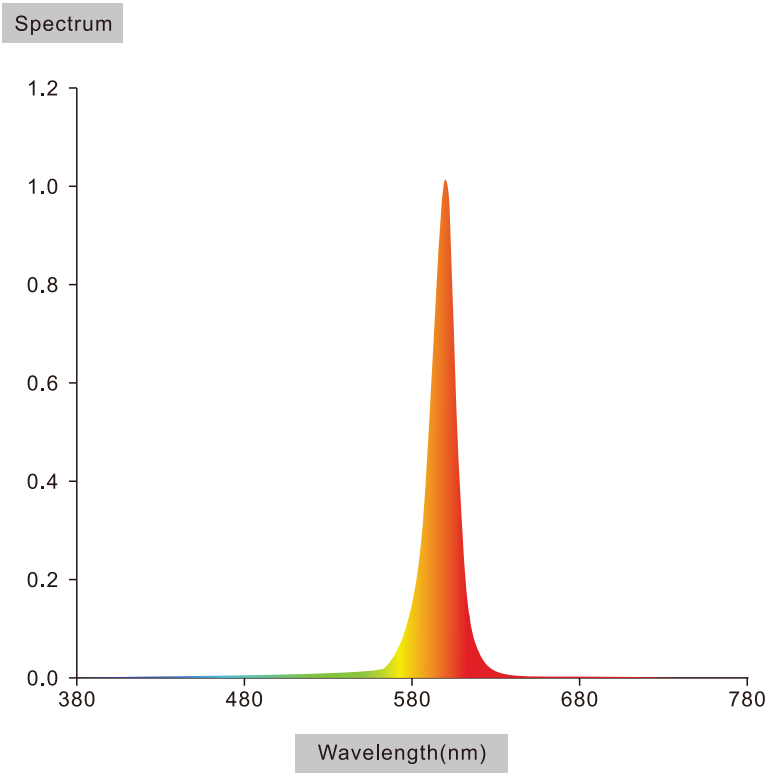
Mounting Type	Tilt	EPA(ft²)								
		Single	2@90	2@180	3@90	3@120	4@90	2 Side by Side	3 Side by Side	4 Side by Side
										
YTAL 120W	0°	0.23	0.41	0.42	0.60	0.54	0.80	0.46	0.69	0.91
	10°	0.18	0.35	0.35	0.53	0.46	0.69	0.35	0.53	0.71
	20°	0.17	0.34	0.34	0.51	0.44	0.67	0.34	0.52	0.69
	30°	0.21	0.37	0.39	0.54	0.48	0.74	0.42	0.64	0.85
	40°	0.27	0.40	0.45	0.58	0.55	0.80	0.54	0.81	1.08
	45°	0.30	0.42	0.50	0.60	0.58	0.83	0.61	0.91	1.21
	50°	0.45	0.61	0.72	0.87	0.85	1.21	0.89	1.34	1.79
	60°	0.73	0.99	1.19	1.41	1.39	1.96	1.47	2.20	2.94
	70°	0.95	1.38	1.57	1.96	1.90	2.74	1.90	2.86	3.81
	80°	1.13	1.71	1.89	2.45	2.36	3.40	2.26	3.40	4.53
YTAL 240W	90°	1.28	1.99	2.18	2.86	2.77	3.96	2.57	3.85	5.14
	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°	0.26	0.52	0.52	0.77	0.67	1.02	0.52	0.79	1.05
	30°	0.32	0.56	0.60	0.83	0.74	1.12	0.64	0.97	1.29
	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

PHOTOMETRICS

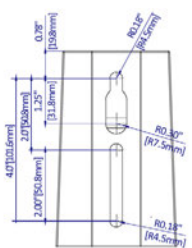
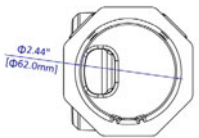
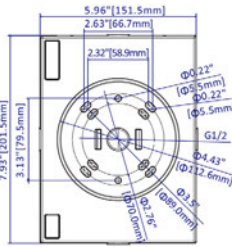
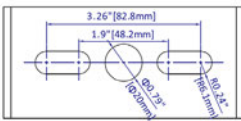
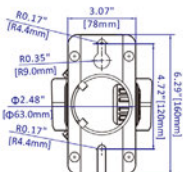
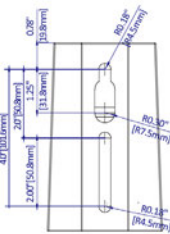
Luminoso LED provides a comprehensive range of optical systems, catering to diverse site lighting needs. Offering exceptional flexibility, these systems enable precise customization of light distribution patterns to perfectly align with specific site requirements.



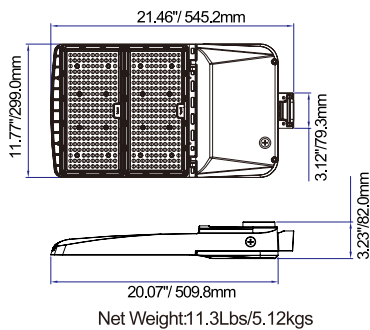
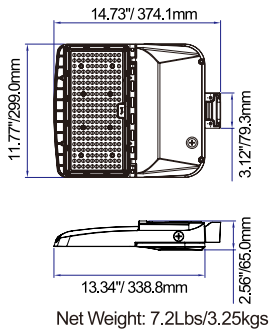
SPECTRAL CHART



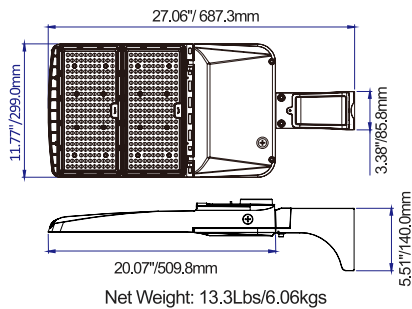
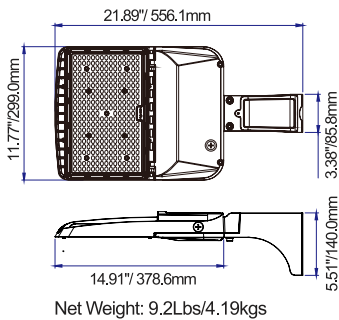
Packaged separately

 	SRP Square & Round Pole Mount	 	SF Slipfitter
 	WM Wall Mount	 	TR Trunnion Mount
 	UBM Universal Bracket	 	ASRP Adjustable Square & Round Pole Mount

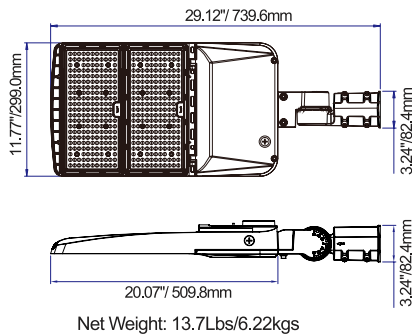
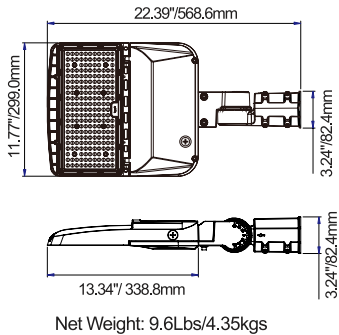
DIMENSIONS & WEIGHT
Without Mounting Bracket



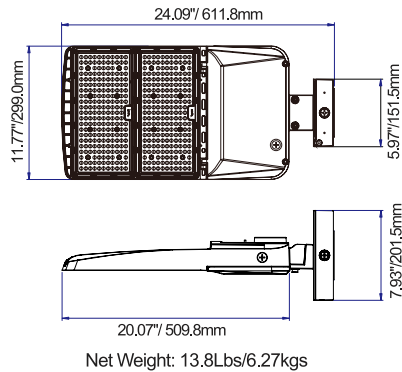
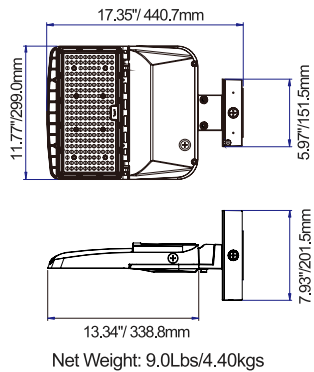
Square & Round Pole Mount



Slipfitter Mount

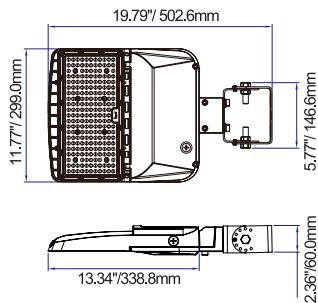


Wall Mount

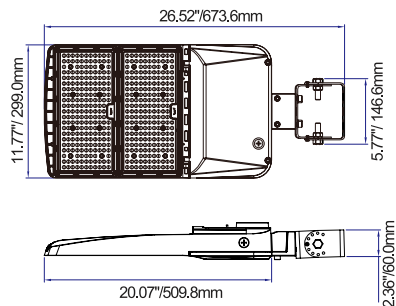


DIMENSIONS & WEIGHT

Trunnion Mount

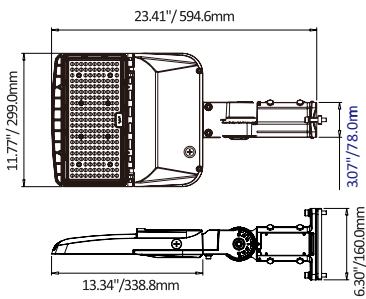


Net Weight: 10.0Lbs/4.55kgs

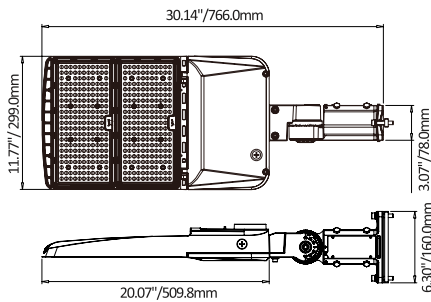


Net Weight: 14.2Lbs/6.42kgs

Universal Bracket

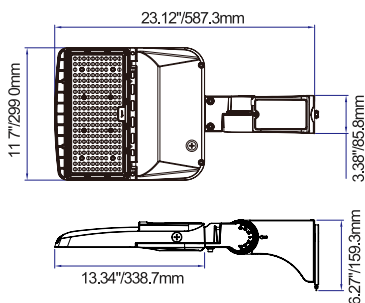


Net Weight: 10.6Lbs/4.80kgs

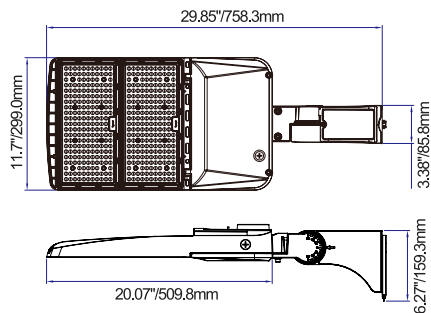


Net Weight: 14.7Lbs/6.67kgs

Adjustable Square & Round Pole Mount



Net Weight: 10.5Lbs/4.74kgs



Net Weight: 14.5Lbs/6.59kgs

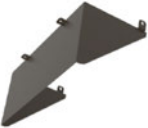
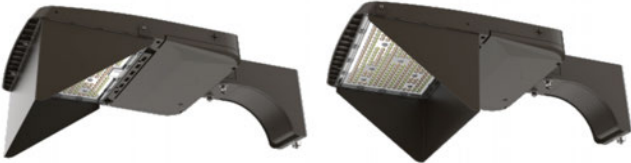
ACCESSORIES

Control Options (purchase separately)

	SC Shorting Cap		MS Screw-in PIR Sensor, Max.mounting height: 39.4ft
	PC Twist-lock Photocell Kit 120-277VAC		MS Screw-in PIR Sensor, w/ Bluetooth Max.mounting height: 39.4ft
	PCHV Twist-lock Photocell Kit 277-480VAC		MSRC Twist-lock Photocell Kit 277-480VAC (Field-Installable/Field-use ONLY) Sold separately

ACCESSORIES (Glare Control Shield)

Field-installable / Field-Use ONLY (purchase separately)

	HGS-YTAL120W Half Glare Shield	
	HGS-YTAL240W Half Glare Shield	
	FVS-YTAL120W Full Visor Glare Shield	
	FVS-YTAL240W Full Visor Glare Shield	