YTAL Area Light
Amber LED Area Light for Turtle Friendly

Project:	Date
Type:	
Model:	

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.

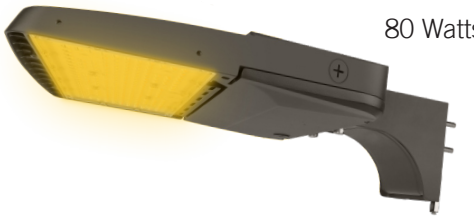
Electrical:
- Universal 120-277 VAC input voltage.
- 10KA(@120-277V) surge protection.
- Standard with 0-10V dimming driver(s) from 5% to 100%*
- THD: ≤20%
- Power Factor: ≥90%
- 2FT (24") long power cord provided for easier installation.

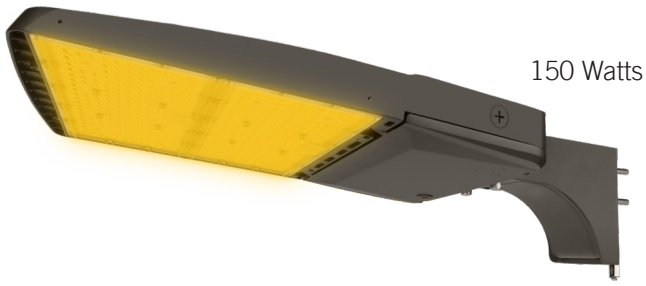
Controls:
- Optional PIR sensor, Max mounting 39.4ft.
- Optional NEMA 3-pin photocell or 7-pin photocell.

Ambient Temperature:
- Ambient operating temperature -40ºF to 113ºF.

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


80 Watts


150 Watts

ORDER INFORMATION

EXAMPLE: YTAL-WS80-Y-AMB-3M-SF-BK

Series	Wattage Selectable	Voltage	LED Color	Optics	Mounting	Photocell	Sensor options	Back-light Shield	Finish
YTAL Amber LED Area Light Turtle Friendly	**WS80** (80W / 65W / 50W / 40W) **WS150** (150W / 120W / 100W / 80W)	**Y** 120-277V	**AMB** Amber 590nm	**3M** **4M** **5M**	**SF** Slipfitter **TR** Trunnion **WM** Wall Mount **DA** Direct Arm Mount **UBM** Universal Bracket Mount **ADJ** Adjustable Direct Arm Mount	**Blank** No photocell **PC** with photocell **SC** Shorting Cap	**Blank** No sensor **MS** Motion Sensor **MSB** Motion Sensor w/ Bluetooth	**Blank** No shield **FVS** Full Visor Shield **HGS** Half Glare Shield	**BK** Black **WH** White **BZ** Bronze

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

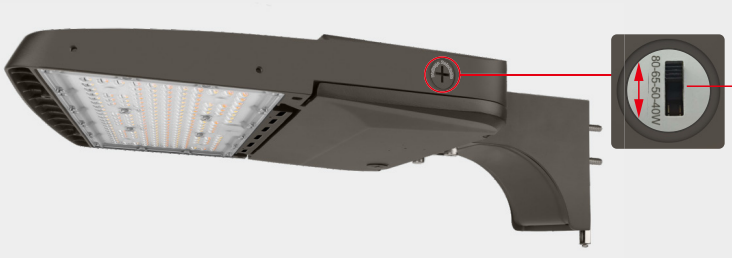
Model	Wattage	Lumens	Efficacy	LED Color	Power Factor	Frequency	Voltage
YTAL	80W	2,800	35	Amber 590nm	>0.9	50/60Hz	120-277VAC

Model	Wattage	Lumens	Efficacy	LED Color	Power Factor	Frequency	Voltage
YTAL	150W	5,250	35	Amber 590nm	>0.9	50/60Hz	120-277VAC

ELECTRICAL DATA

Model Series	Wattage(W)	Current (A)			
		Input Voltage (V)			
		120	208	240	277
YTAL-WS80	80	0.74	0.43	0.37	0.32
	65	0.60	0.35	0.30	0.26
	50	0.46	0.27	0.23	0.20
	40	0.37	0.21	0.19	0.16
YTAL-WS150	150	1.39	0.80	0.69	0.60
	120	1.11	0.64	0.56	0.48
	100	0.93	0.53	0.46	0.40
	80	0.74	0.43	0.37	0.32

WATTAGE SELECTABLE



Wattage Selectable

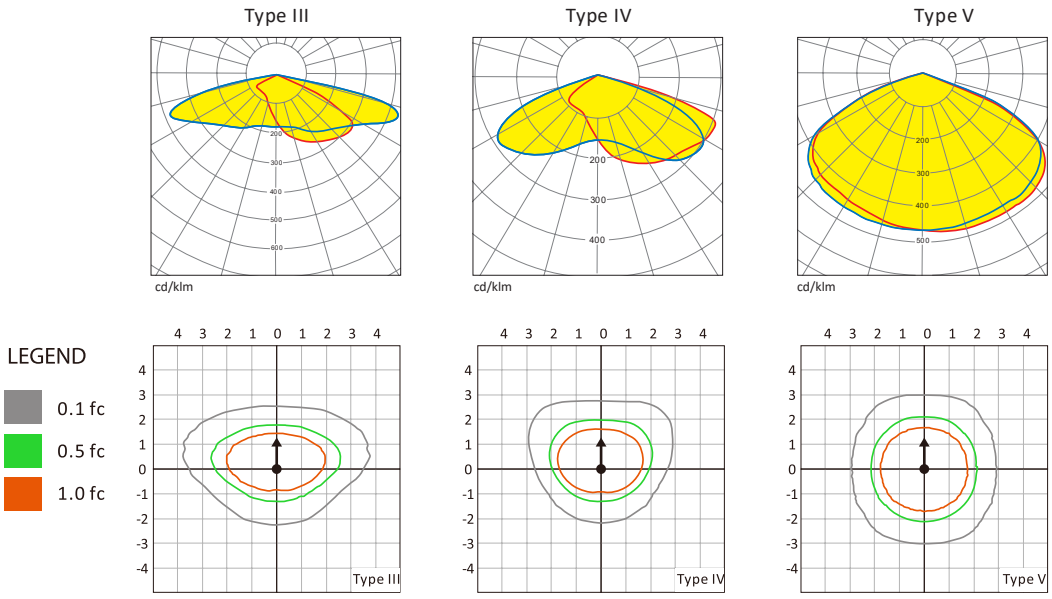
Model	Power Selection	Default Setting
WS80	80/65/50/40W	80W
WS150	150/120/100/80W	150W

EPA (Square and round poles arm)

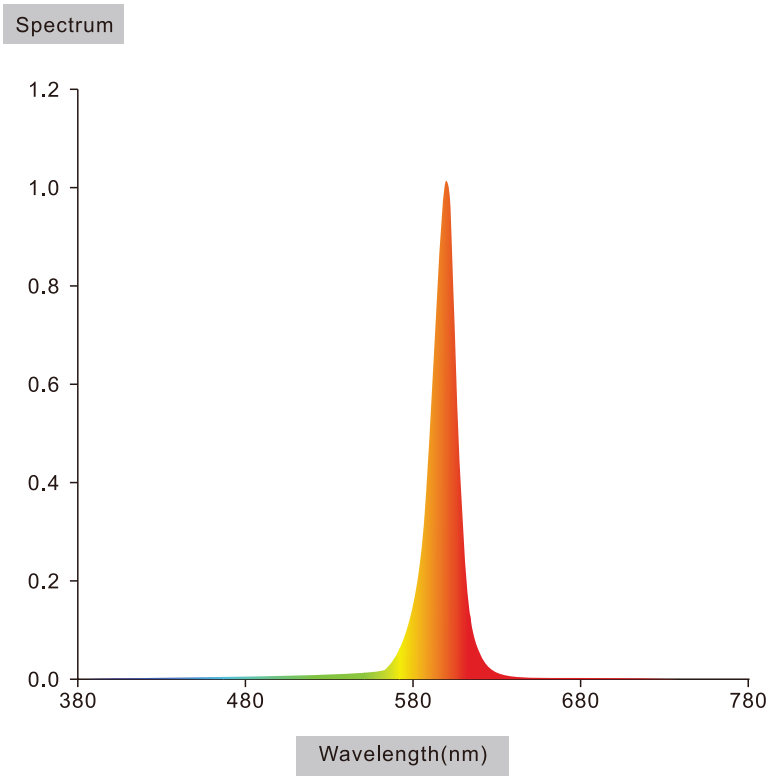
Mounting Type	Tilt	EPA(ft²)								
		Single	2@90	2@180	3@90	3@120	4@90	2 Side by Side	3 Side by Side	4 Side by Side
										
YTAL-80W	0°	0.23	0.41	0.42	0.60	0.54	0.80	0.46	0.69	0.91
	10°	0.18	0.35	0.35	0.53	0.46	0.69	0.35	0.53	0.71
	20°	0.17	0.34	0.34	0.51	0.44	0.67	0.34	0.52	0.69
	30°	0.21	0.37	0.39	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
	90°	1.28	1.99	2.18	2.86	2.77	3.96	2.57	3.85	5.14
YTAL-150W	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.

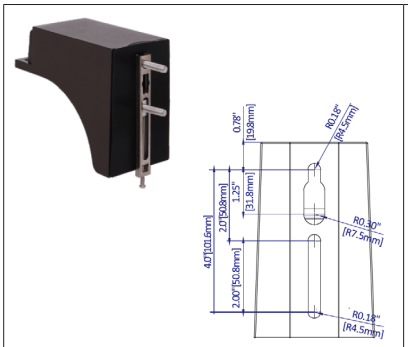
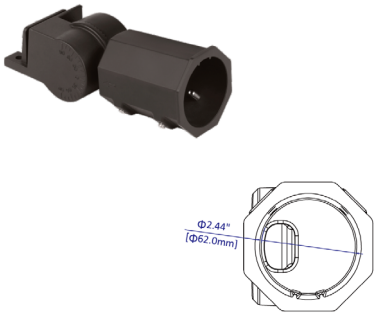
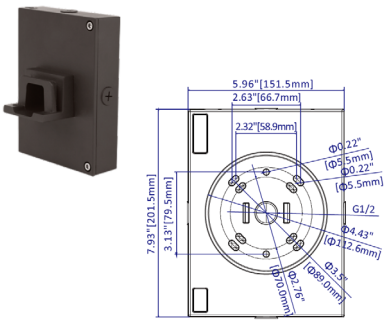
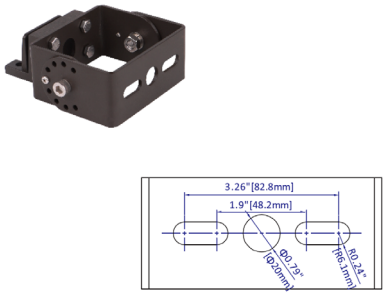
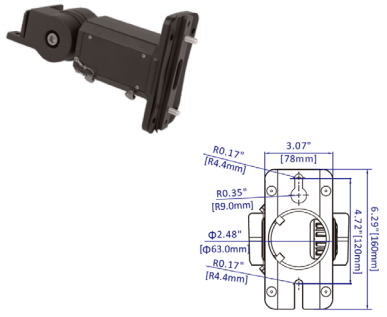
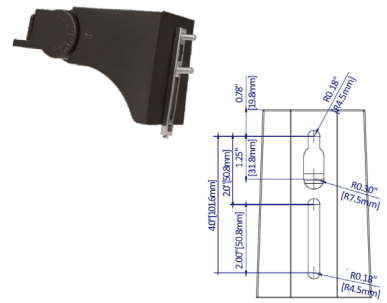


SPECTRAL CHART



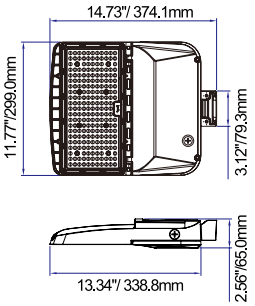
MOUNTS & BRACKETS

Packaged separately

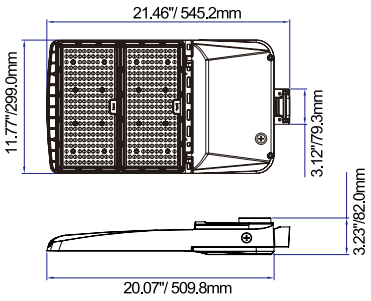
	**DA** Direct Arm Mount Square & Round Pole Mount		**SF** Slipfitter
	**WM** Wall Mount		**TR** Trunnion Mount
	**UBM** Universal Bracke		**ADJ** Adjustable Direct Arm Mount Square & Round Pole Mount

DIMENSIONS & WEIGHT

Without Mounting Bracket

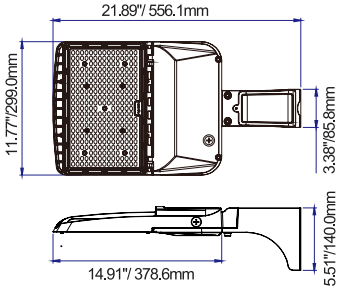


Net Weight: 7.2Lbs/3.25kgs

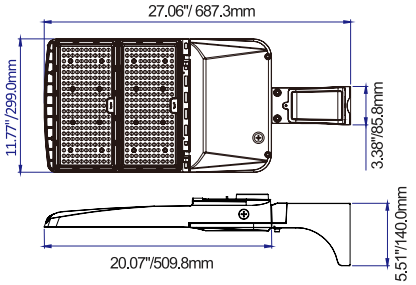


Net Weight:11.3Lbs/5.12kgs

Square & Round Pole Mount

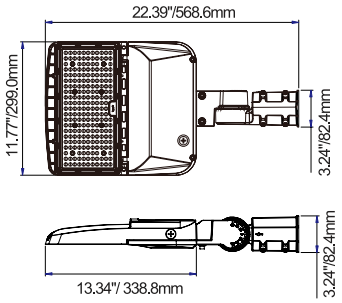


Net Weight: 9.2Lbs/4.19kgs

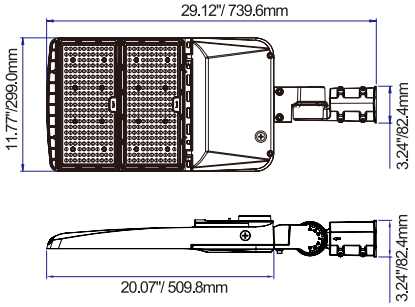


Net Weight: 13.3Lbs/6.06kgs

Slipfitter Mount

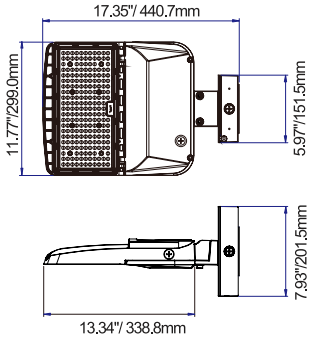


Net Weight: 9.6Lbs/4.35kgs

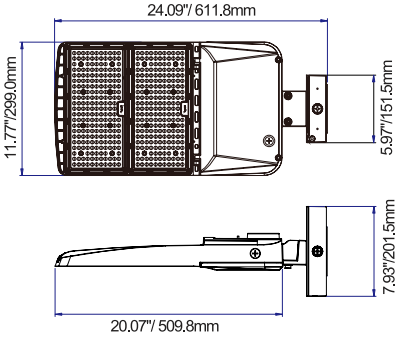


Net Weight: 13.7Lbs/6.22kgs

Wall Mount



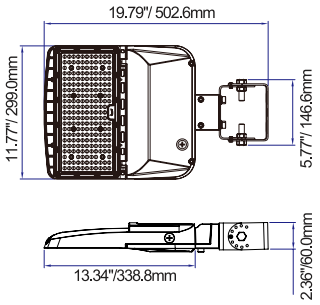
Net Weight: 9.0Lbs/4.40kgs



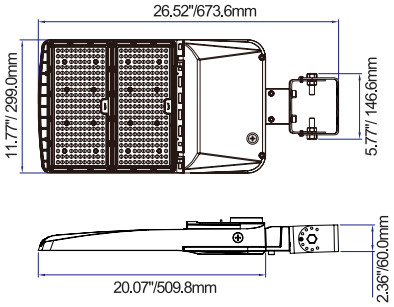
Net Weight: 13.8Lbs/6.27kgs

DIMENSIONS & WEIGHT

Trunnion Mount

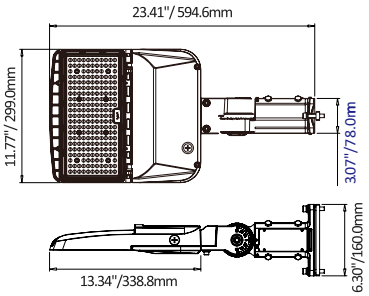


Net Weight: 10.0Lbs/4.55kgs

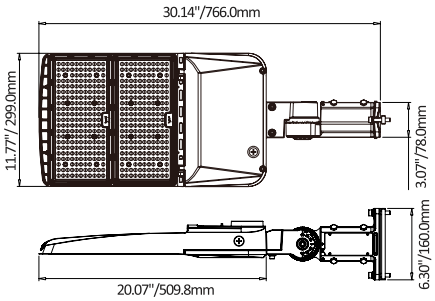


Net Weight: 14.2Lbs/6.42kgs

Universal Bracket

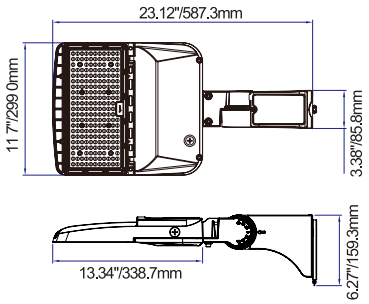


Net Weight: 10.6Lbs/4.80kgs

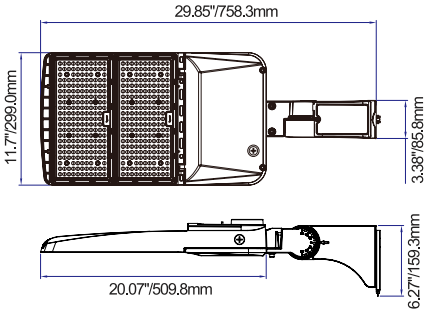


Net Weight: 14.7Lbs/6.67kgs

Adjustable Square & Round Pole Mount



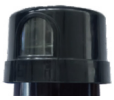
Net Weight: 10.5Lbs/4.74kgs



Net Weight: 14.5Lbs/6.59kgs

ACCESSORIES

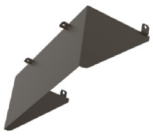
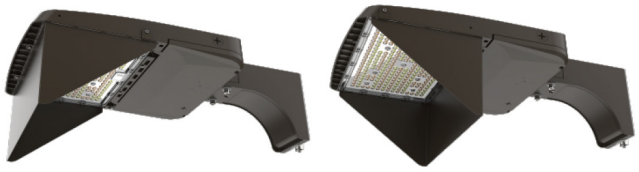
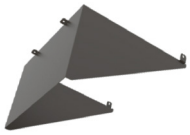
Control Options (purchase separately)

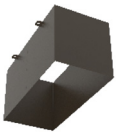
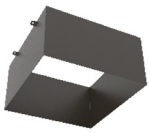
	**SC** Shorting Cap
	**PC** Twist-lock Photocell Kit 120-277VAC
	**PCHV** Twist-lock Photocell Kit 277-480VAC

	**MS** Screw-in PIR Sensor, Max.mounting height: 39.4ft
	**MS** Screw-in PIR Sensor, w/ Bluetooth Max.mounting height: 39.4ft
	**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	