ALH SELECTABLE AREA LIGHT

LED Area Light with Selectable CCT and Lumen

Introduction

- The Hand 10 is the latest generation Area Light. It is highly cost effective, offers complete configurations. The Hand 10 delivers 11000lm to 48000lm lumens, which can replace 250W to 1000W HID luminares.
- The whole family includes three different size, Slipfitter mount, square or round pole mount arm and Yoke mount are available.
- Photocell, motion sensor and external light control shield are also available. It also supports LLLC of HAISEN BLUE and Silvair.



Size 1
80W/ 100W
120W/ 150W
Wattage Selectable



Size 2
170W/ 200W
220W/ 240W
Wattage Selectable



Size 3
240W/ 260W
280W/ 310W
Wattage Selectable

3000K 4000K 5000K

CCT SELECTABLE

Product Specifications

Construction

- The Hand 10 area light features a rugged die-cast aluminnum body that uses heatsink and flow-through venting to provide optimal thermal management that both enchances LED performance and extends component life.The light housing is sealed against mouisrure and environmental contaminants. 3G vibration rated compact design minimizes wind load requirements.Low EPA,allowing pole optimization.

Electrical:

- Universal voltage AC120-277V/AC120-347V with standard 10KV Surge protector, or High voltage AC277-480V with standard 20KV Surge protector.
- 0-10V dimmable driver, dimming wire does not lead out from the fixture.
- Power Factor : ≥0.95
- THD≤20%
- 2ft(24") long power cord provided for easier installation.

Optics :

- Light engines are available in (30/40/50)K selectable (CRI70) configurations
- Type III,IV,V distributions optional

Finish :

- Dark bronze is standard, black, white, grey and other customized color are available.

Ambient Temperature:

- -40° F (-40° C) to 113° F (45° C)

Listing :

- UL Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.

Warranty :

- 5-years limited warranty.

Ordering Guide

EXAMPLE:XALH(240/260/280/310)WHV(30/40/50)KT3SFDPS

Brand X	Product name ALH	Wattage[1] XXXW	Input Voltage[2] AA	CCT[3] XXK	Dist.Type Y	Mount Y	Finish Y	Photocontrol Y	Sensor Y
	ALH	(80/100/120/150)W (170/200/220/240)W (240/260/280/310)W	Blank=120-277V HL=120-347V HV=277-480V	30K=3000K 40K=4000K 50K=5000K (30/40/50)K= 3000/4000/5000K	T3=Type III T4=Type IV T5=Type V	SF=Slipfitter Mount PA=Square and Round Pole Mount Arm TR=Trunnion Mount AA=Adjustable Square and Round Pole Mount Arm UB=Universal bracket WM=Wall Mount	D=Dark Bronze B=Black W=White SG=Silver Grey	Blank=without Photocell P=with Photocell	S=with Motion Sensor Blank=without Motion Sensor

Note: 1.(80/100/120/150)W=150W, 120W, 100W, 80W Selectable, 150W default setting. (170/200/220/240)W=240W, 220W, 200W, 170W Selectable, 240W default setting. (240/260/280/310)W=310W, 280W, 260W, 240W Selectable, 310W default setting.

2.The Input Voltage AC120-277V and AC277-480V is for US Market, AC120-347V is for Canada Market only.

3.(30/40/50)K=3000K, 4000K, 5000K Selectable, 5000K default setting.

Specification

Wattage & CCT Selectable

Lumen values are based on 120V AC input product configuration, contact for performance data on any configurations not shown here.

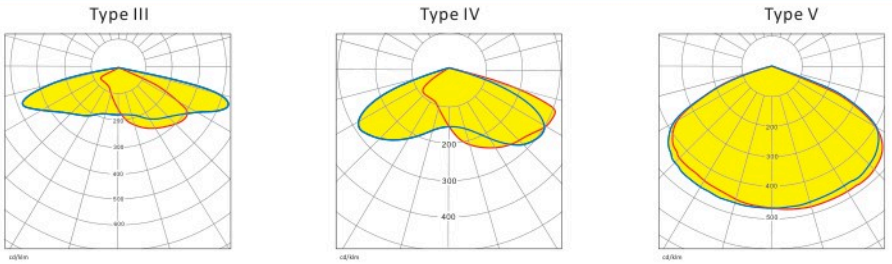
Size	Watts	Distribution Type	5000K, CRI70					4000K, CRI70					3000K, CRI70				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
Size 1 (80/100/120/150)W Selectable	80W	T3	12,800	3	0	3	160	14,450	3	0	3	181	12,300	3	0	3	154
	100W		15,850	3	0	3	159	17,850	3	0	3	179	15,250	3	0	3	153
	120W		18,600				155	20,950				175	17,850				149
	150W		22,650				151	25,500				170	21,800				145
Size 2 (170/200/220/240)W Selectable	170W	T3	26,900				159	28,550				168	26,150				154
	200W		31,050				156	32,950				165	30,200				151
	220W		33,500				153	35,550				162	32,550				148
	240W		35,850				150	38,000				159	34,800				145
Size 3 (240/260/280/310)W Selectable	240W	T3	37,950				159	42,750				179	36,900				154
	260W		39,950				154	45,000				173	38,850				150
	280W		42,600				153	48,000				172	41,450				148
	310W		46,250				150	52,100				168	45,000				145

Wattage Selectable & Single CCT

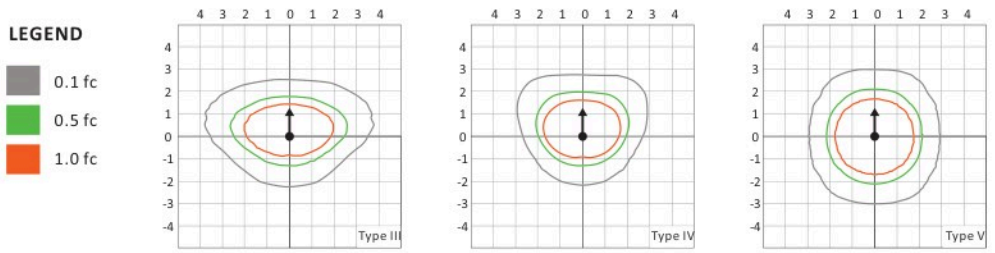
Lumen values are based on 120V AC input product configuration, contact for performance data on any configurations not shown here.

Size	Watts	Distribution Type	5000K, CRI70					4000K, CRI70					3000K, CRI70				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
Size 1 (80/100/120/150)W Selectable	80W	T3	12750	3	0	3	159	12600	3	0	3	157	12300	3	0	3	154
	100W		15800	3	0	3	158	15550	3	0	3	156	15250	3	0	3	153
	120W		18500				154	18250				152	17850				149
	150W		22500				150	22200				148	21750				145
	80W	T4	12750				159	12600				157	12300				154
	100W		15800				158	15540				156	15250				153
	120W		18500				154	18250				152	17850				149
	150W		22500				150	22200				148	21750				145
	80W	T5	12750				159	12600				157	12300				154
	100W		15800				158	15540				156	15250				153
	120W		18500				154	18250				152	17850				149
	150W		22500				150	22200				148	21750				145
Size 2 (170/200/220/240)W Selectable	170W	T3	27050				159	26700				157	26150				154
	200W		31200				156	30800				154	30200				151
	220W		33700				153	33250				151	32550				148
	240W		36000				150	35520				148	34800				145
	170W	T4	27050				159	26700				157	26150				154
	200W		31200				156	30800				154	30200				151
	220W		33700				153	33250				151	32550				148
	240W		36000				150	35520				148	34800				145
	170W	T5	27050				159	26700				157	26150				154
	200W		31200				156	30800				154	30200				151
	220W		33700				153	33250				151	32550				148
	240W		36000				150	35520				148	34800				145
Size 3 (240/260/280/310)W Selectable	240W	T3	38200				159	37700				157	36900				154
	260W		40200				155	39650				153	38850				150
	280W		42850				153	42300				151	41450				148
	310W		46500				150	45880				148	44950				145
	240W	T4	38200				159	37700				157	36900				154
	260W		40200				155	39650				153	38850				150
	280W		42850				153	42300				151	41450				148
	310W		46500				150	45880				148	44950				145
	240W	T5	38200				159	37700				157	36900				154
	260W		40200				155	39650				153	38850				150
	280W		42850				153	42300				151	41450				148
	310W		46500				150	45880				148	44950				145

Photometric Diagrams



Isofootcandle plots for the 150W-5000K.Distances are in units of mounting height(30')



EPA (Square and round pole arm)

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data

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
Size 1	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
Size 2	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	2.39	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
Size 3	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

Power Selection And CCT Selection Capability



CCT Select Technology

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

Power Select Technology

Size	Power Selection	Defaul Setting
Size 1	Adjust power between 80/100/120/150W	150W
Size 2	Adjust power between 170/200/220/240W	240W
Size 3	Adjust power between 240/260/280/310W	310W

Accessories

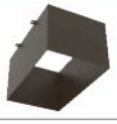
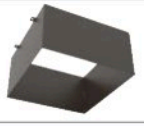
Control Options

Call to confirm availability

	XSCKit01 Shorting Cap Kit (with receptacle)		XPCKit-UNV27V Twist-lock Photocell Kit (with receptacle) for XALH, at AC120-277V
	XPCKit-UNV34V Twist-lock Photocell Kit (with receptacle) for XALH, at AC120-347V		XPCKit-HV48V Twist-lock Photocell Kit (with receptacle) for XALH, at AC277-480V
	HDO9VR-PH Screw-in PIR Sensor		

Glare Control Shield

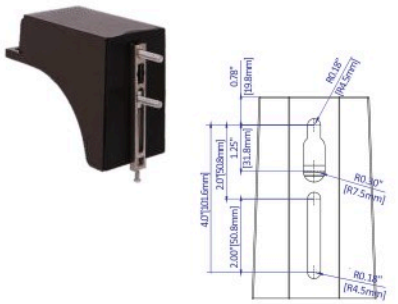
Field-Installable / Field-Use ONLY (purchased separately)

	XALH150W-HGS-D-A External Half Glare shield for XALH150W		
	XALH240W-HGS-D-A External Half Glare shield for ALH240W		XALH310W-HGS-D-A External Half Glare shield for ALH310W
	XALH150W-FGS-D-A External 360° Full Visor for ALH150W		
	XALH240W-FGS-D-A External 360° Full Visor for ALH240W		XALH310W-FGS-D-A External 360° Full Visor for ALH310W

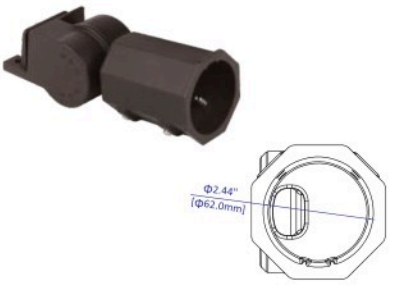
Mounting Information

Mounts and Brackets

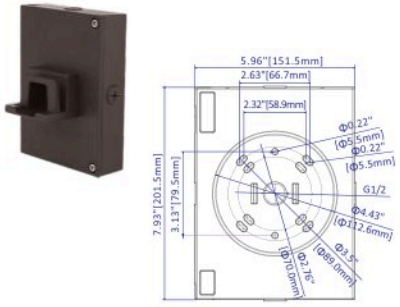
May come with separate box with fixture.



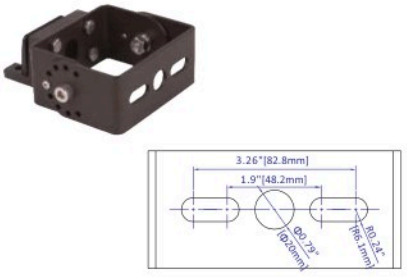
ALHSQMD02
Square & Round Pole Mount for XALH, Dark Bronze, Ver2 (Black, White, Grey and other customized color are available.)



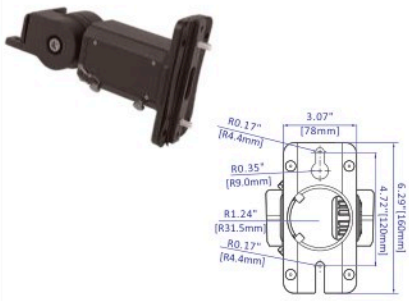
ALHSPMD01
Slipfitter Mount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)



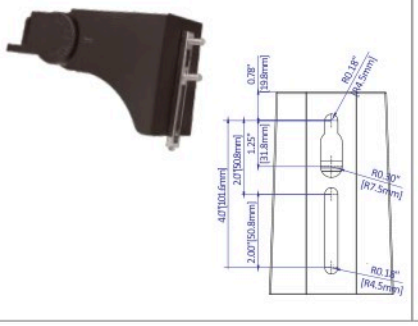
ALHWMD01
Wallmount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)



ALHTRMD01
Trunnion Mount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)



ALHUVMD01
Universal Bracket Mount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)



ALHAAMD02
Adjustable Square & Round Pole Mount for XALH, Dark Bronze, Ver2 (Black, White, Grey and other customized color are available.)

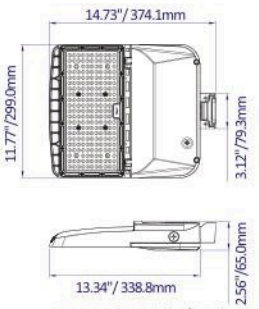
Electrical Data

Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
XALH(80/100/120/150)W	80	0.74	0.43	0.37	0.32	0.26	0.19
	100	0.93	0.53	0.46	0.40	0.32	0.23
	120	1.11	0.64	0.56	0.48	0.38	0.28
	150	1.39	0.80	0.69	0.60	0.48	0.35
XALH(170/200/220/240)W	170	1.57	0.91	0.79	0.68	0.54	0.39
	200	1.85	1.07	0.93	0.80	0.64	0.46
	220	2.04	1.18	1.02	0.88	0.70	0.51
	240	2.22	1.28	1.11	0.96	0.77	0.56
XALH(240/260/280/310)W	240	2.22	1.28	1.11	0.96	0.77	0.56
	260	2.41	1.39	1.20	1.04	0.83	0.60
	280	2.59	1.50	1.30	1.12	0.90	0.65
	310	2.87	1.66	1.44	1.24	0.99	0.72

Dimensions& Weight

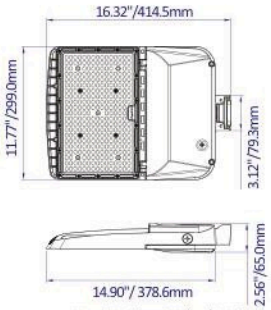
80W / 100W / 120W / 150W

Without Mounting Bracket



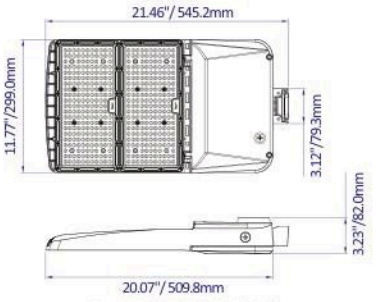
Net Weight: 7.2Lbs/3.25kgs

170W / 200W / 220W / 240W



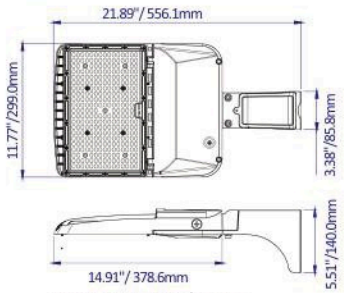
Net Weight: 9.1Lbs/4.14kgs

240W / 260W / 280W / 310W

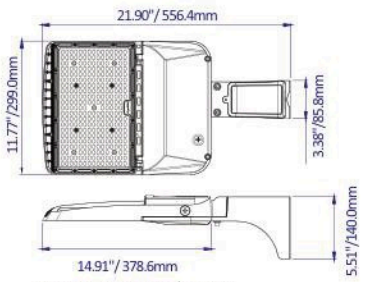


Net Weight: 11.3Lbs/5.12kgs

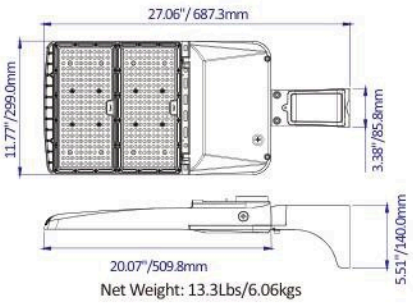
Square & Round Pole Mount



Net Weight: 9.2Lbs/4.19kgs

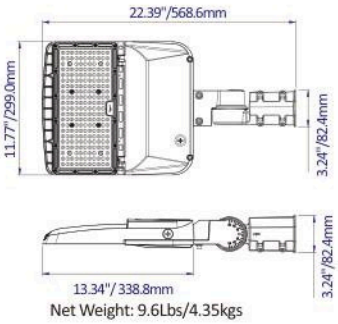


Net Weight: 11.2Lbs/5.08kgs

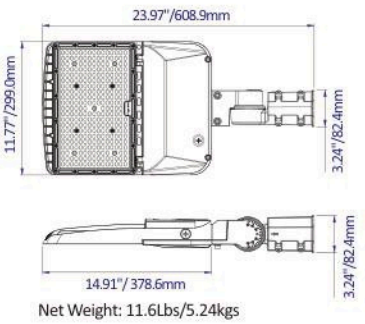


Net Weight: 13.3Lbs/6.06kgs

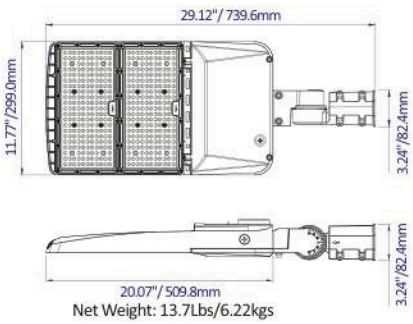
Slip Fitter Mount



Net Weight: 9.6Lbs/4.35kgs

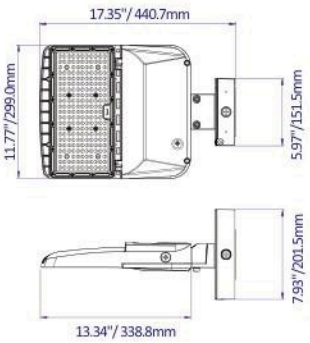


Net Weight: 11.6Lbs/5.24kgs

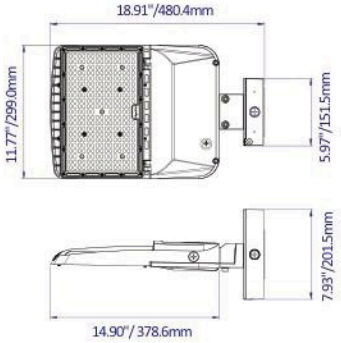


Net Weight: 13.7Lbs/6.22kgs

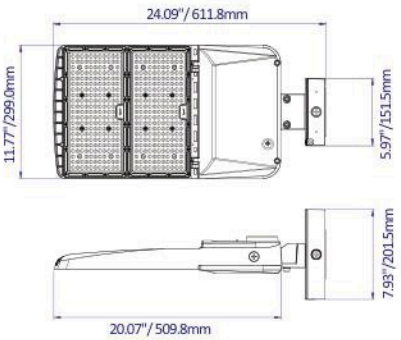
Wall Mount



Net Weight: 9.0Lbs/4.40kgs



Net Weight: 11.7Lbs/5.29kgs

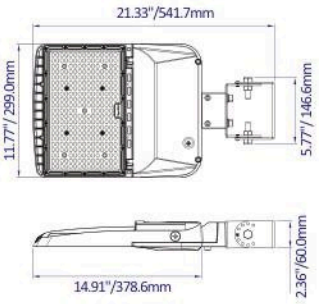


Net Weight: 13.8Lbs/6.27kgs

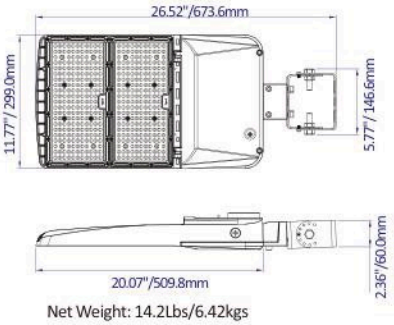
Trunnion Mount



Net Weight: 10.0Lbs/4.55kgs



Net Weight: 11.0Lbs/5.44kgs

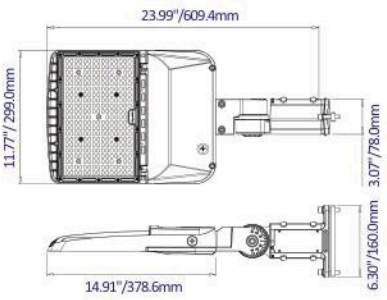


Net Weight: 14.2Lbs/6.42kgs

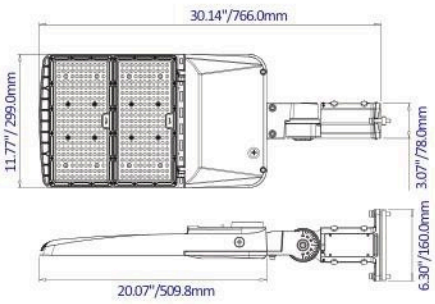
Universal bracket



Net Weight: 10.6Lbs/4.80kgs

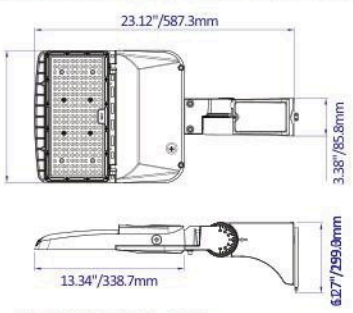


Net Weight: 12.5Lbs/5.69kgs

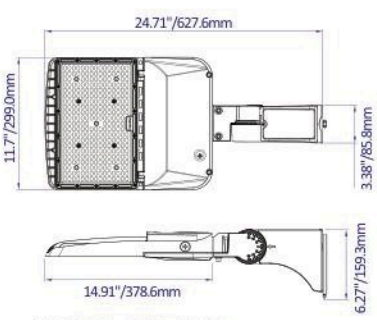


Net Weight: 14.7Lbs/6.67kgs

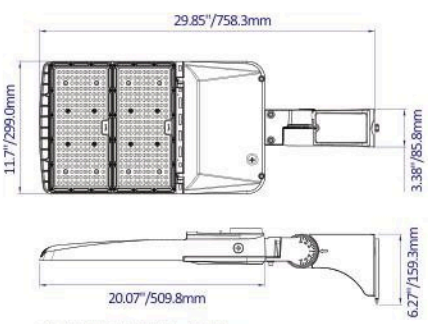
Adjustable Square & Round Pole Mount



Net Weight: 10.5Lbs/4.74kgs



Net Weight: 12.2Lbs/5.52kgs



Net Weight: 14.5Lbs/6.59kgs

Shipping Information

Model	Individual box size (in)	Individual box weight (lbs)	Per carton (pcs)	20GP (boxes)	40HQ (boxes)
XALH(80/100/120/150)W	15.59 x 13.07 x 5.24	7.91	1	1487	2745
XALH(170/200/220/240)W	17.17 x 13.07 x 5.24	10.12	1	1351	2493
XALH(240/260/280/310)W	22.32 x 13.07 x 5.71	13.01	1	953	1759
ALHSQMD02 (Square & Round Pole Mount)	23.6 x8.7x 7.7	17.59	8	1010	1865
ALHSPMD01 (Slipfitter Mount)	14.8 x 9.8 x 7.9	20.35	8	1387	2560
ALHWMD01 (Wallmount)	17.3 x 13.2 x 8.9	21.75	8	784	1447
ALHTRMD01 (Trunnion Mount)	12.8 x 11.6 x 7.5	24.21	8	1427	2635
ALHUVMD01 (Universal Bracket Mount)	14.4 x 14.0 x 9.3	28.68	8	854	1576
ALHAAMD02 (Adjustable Square & Round Pole Mount)	20.5 x 15.6 x 6.7	28.70	8	745	1375