

ALH SELECTABLE AREA LIGHT

LED Area Light with Selectable CCT and Lumen



Introduction

- The Hand 10 is the latest generation of Area Light of FLK Lighting. It is highly cost-effective and offers complete configurations. The Hand 10 delivers 11000lm to 48000lm lumens, which can replace 250W to 1000W HID luminaires.
- The whole family includes three different sizes. 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 LLC of HAISEN BLUE and Silvalir.

Product Specifications

Construction

- The Hand 10 area light features a rugged die-cast aluminum body that uses heatsink and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. The light housing is sealed against moisture and environmental contaminants. The 3G vibration rated compact design minimizes wind load requirements. With a low EPA, it allows 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, and the dimming wire does not lead out from the fixture.
- Power Factor : ≥ 0.95
- THD $\leq 20\%$
- 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 and black, white, grey and other customized colors 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

Series 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.

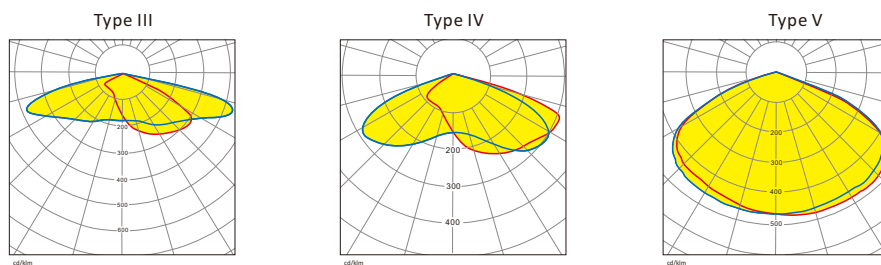
Size	Watts	Distribution Type	5000K, CRI70					4000K, CRI70					3000K, CRI70				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
Size 1 (80/100/120/150)W Selectable	80W	T3	12,800	3	0	3	160	14,450	3	0	3	181	12,300	3	0	3	154
	100W		15,850	3	0	3	159	17,850	3	0	3	179	15,250	3	0	3	153
	120W		18,600	3	0	3	155	20,950	3	0	3	175	17,850	3	0	3	149
	150W		22,650	3	0	3	151	25,500	3	0	3	170	21,800	3	0	3	145
	80W	T4	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	3	0	3	155	20,950	3	0	3	175	17,850	3	0	3	149
	150W		22,650	3	0	3	151	25,500	3	0	3	170	21,800	3	0	3	145
	80W	T5	12,800	4	0	2	160	14,450	4	0	2	181	12,300	4	0	2	154
	100W		15,850	4	0	2	159	17,850	4	0	2	179	15,250	4	0	2	153
	120W		18,600	4	0	2	155	20,950	4	0	2	175	17,850	4	0	2	149
	150W		22,650	4	0	2	151	25,500	4	0	2	170	21,800	4	0	2	145
Size 2 (170/200/220/240)W Selectable	170W	T3	26,900	4	0	4	159	28,550	4	0	4	168	26,150	4	0	4	154
	200W		31,050	4	0	4	156	32,950	4	0	4	165	30,200	4	0	4	151
	220W		33,500	4	0	4	153	35,550	4	0	4	162	32,550	4	0	4	148
	240W		35,850	4	0	4	150	38,000	4	0	4	159	34,800	4	0	4	145
	170W	T4	26,900	4	0	4	159	28,550	4	0	4	168	26,150	4	0	4	154
	200W		31,050	4	0	4	156	32,950	4	0	4	165	30,200	4	0	4	151
	220W		33,500	4	0	4	153	35,550	4	0	4	162	32,550	4	0	4	148
	240W		35,850	4	0	4	150	38,000	4	0	4	159	34,800	4	0	4	145
	170W	T5	26,900	5	0	2	159	28,550	5	0	2	168	26,150	5	0	2	154
	200W		31,050	5	0	2	156	32,950	5	0	2	165	30,200	5	0	2	151
	220W		33,500	5	0	2	153	35,550	5	0	2	162	32,550	5	0	2	148
	240W		35,850	5	0	2	150	38,000	5	0	2	159	34,800	5	0	2	145
Size 3 (240/260/280/310)W Selectable	240W	T3	37,950	4	0	4	159	42,750	4	0	4	179	36,900	4	0	4	154
	260W		39,950	4	0	4	154	45,000	4	0	4	173	38,850	4	0	4	150
	280W		42,600	4	0	4	153	48,000	4	0	4	172	41,450	4	0	4	148
	310W		46,250	4	0	4	150	52,100	4	0	4	168	45,000	4	0	4	145
	240W	T4	37,950	5	0	4	159	42,750	5	0	4	179	36,900	5	0	4	154
	260W		39,950	5	0	4	154	45,000	5	0	4	173	38,850	5	0	4	150
	280W		42,600	5	0	4	153	48,000	5	0	4	172	41,450	5	0	4	148
	310W		46,250	5	0	4	150	52,100	5	0	4	168	45,000	5	0	4	145
	240W	T5	37,950	5	0	3	159	42,750	5	0	3	179	36,900	5	0	3	154
	260W		39,950	5	0	3	154	45,000	5	0	3	173	38,850	5	0	3	150
	280W		42,600	5	0	3	153	48,000	5	0	3	172	41,450	5	0	3	148
	310W		46,250	5	0	3	150	52,100	5	0	3	168	45,000	5	0	3	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	3	0	3	154	18250	3	0	3	152	17850	3	0	3	149
	150W		22500	3	0	3	150	22200	3	0	3	148	21750	3	0	3	145
	80W	T4	12750	3	0	3	159	12600	3	0	3	157	12300	3	0	3	154
	100W		15800	3	0	3	158	15540	3	0	3	156	15250	3	0	3	153
	120W		18500	3	0	3	154	18250	3	0	3	152	17850	3	0	3	149
	150W		22500	3	0	3	150	22200	3	0	3	148	21750	3	0	3	145
	80W	T5	12750	4	0	2	159	12600	4	0	1	157	12300	4	0	2	154
	100W		15800	4	0	2	158	15540	4	0	1	156	15250	4	0	2	153
	120W		18500	4	0	2	154	18250	4	0	1	152	17850	4	0	2	149
	150W		22500	4	0	2	150	22200	4	0	1	148	21750	4	0	2	145
Size 2 (170/200/220/240)W Selectable	170W	T3	27050	4	0	4	159	26700	4	0	4	157	26150	4	0	4	154
	200W		31200	4	0	4	156	30800	4	0	4	154	30200	4	0	4	151
	220W		33700	4	0	4	153	33250	4	0	4	151	32550	4	0	4	148
	240W		36000	4	0	4	150	35520	4	0	4	148	34800	4	0	4	145
	170W	T4	27050	4	0	4	159	26700	4	0	4	157	26150	4	0	4	154
	200W		31200	4	0	4	156	30800	4	0	4	154	30200	4	0	4	151
	220W		33700	4	0	4	153	33250	4	0	4	151	32550	4	0	4	148
	240W		36000	4	0	4	150	35520	4	0	4	148	34800	4	0	4	145
	170W	T5	27050	5	0	2	159	26700	5	0	2	157	26150	5	0	2	154
	200W		31200	5	0	2	156	30800	5	0	2	154	30200	5	0	2	151
	220W		33700	5	0	2	153	33250	5	0	2	151	32550	5	0	2	148
	240W		36000	5	0	2	150	35520	5	0	2	148	34800	5	0	2	145
Size 3 (240/260/280/310)W Selectable	240W	T3	38200	4	0	4	159	37700	4	0	4	157	36900	4	0	4	154
	260W		40200	4	0	4	155	39650	4	0	4	153	38850	4	0	4	150
	280W		42850	4	0	4	153	42300	4	0	4	151	41450	4	0	4	148
	310W		46500	4	0	4	150	45880	4	0	4	148	44950	4	0	4	145
	240W	T4	38200	4	0	4	159	37700	4	0	4	157	36900	4	0	4	154
	260W		40200	4	0	4	155	39650	4	0	4	153	38850	4	0	4	150
	280W		42850	4	0	4	153	42300	4	0	4	151	41450	4	0	4	148
	310W		46500	4	0	4	150	45880	4	0	4	148	44950	4	0	4	145
	240W	T5	38200	5	0	2	159	37700	5	0	2	157	36900	5	0	2	154
	260W		40200	5	0	2	155	39650	5	0	2	153	38850	5	0	2	150
	280W		42850	5	0	2	153	42300	5	0	2	151	41450	5	0	2	148
	310W		46500	5	0	2	150	45880	5	0	2	148	44950	5	0	2	145

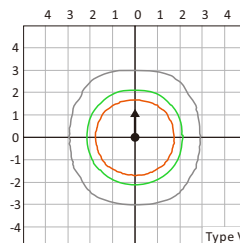
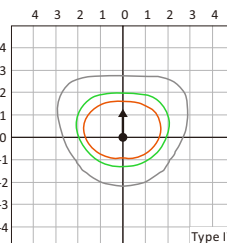
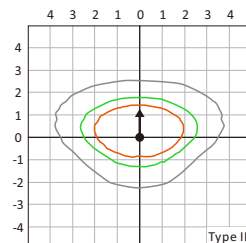
Photometric Diagrams



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

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



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(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
										
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
Size 2	90°	1.28	1.99	2.18	2.86	2.77	3.96	2.57	3.85	5.14
	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
Size 3	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
	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	Default 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 Black 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		

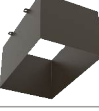
Adapter

Field-Installable (field-installable purchased separately)

	X3PTZ10ZGA-WA Zhaga Adapter for 3-pin Reverse to Z10 Zhaga
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Glare Control Shield

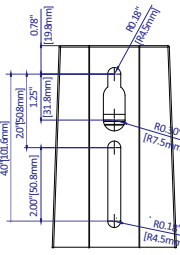
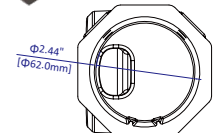
Field-Installable / Field-Use ONLY (purchased separately)

	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.)
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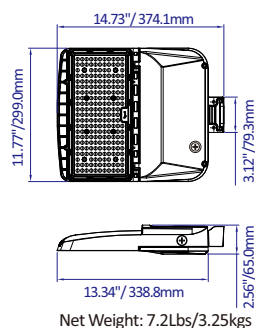
	ALHWMD01 Wallmount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)		ALHTRMD01 Trunnion Mount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)
	ALHUVMD01 Universal Bracket Mount for XALH, Dark Bronze (Black, White, Grey and other 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

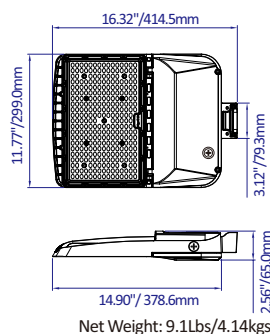
Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
XALH(80/100/120/150)W	80	0.74	0.43	0.37	0.32	0.26	0.19
	100	0.93	0.53	0.46	0.40	0.32	0.23
	120	1.11	0.64	0.56	0.48	0.38	0.28
	150	1.39	0.80	0.69	0.60	0.48	0.35
XALH(170/200/220/240)W	170	1.57	0.91	0.79	0.68	0.54	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

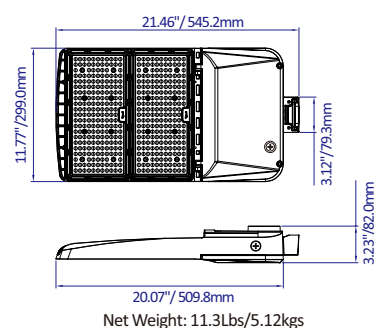
80W / 100W / 120W / 150W
Without Mounting Bracket



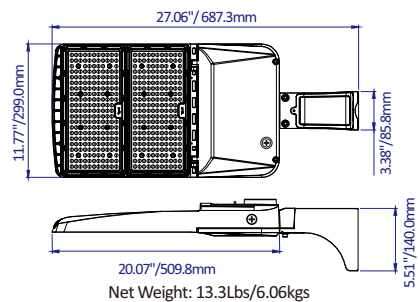
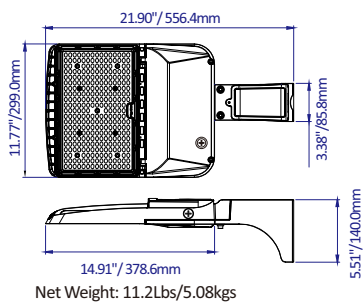
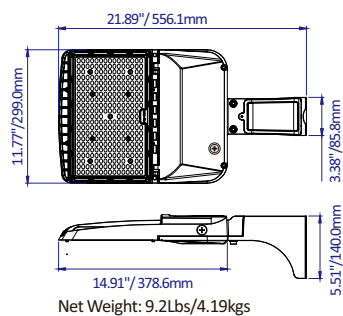
170W / 200W / 220W / 240W



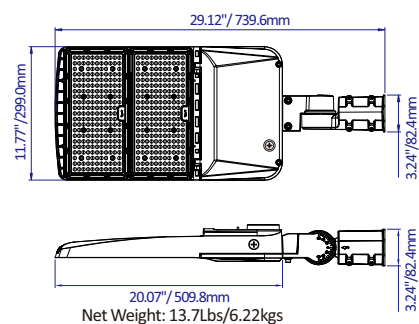
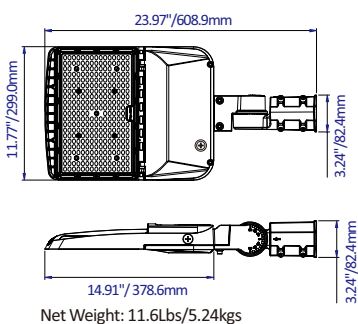
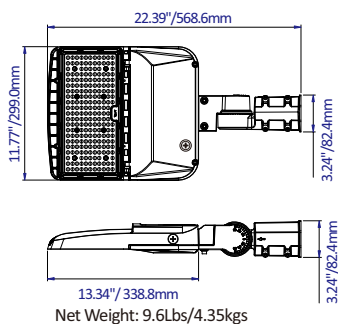
240W / 260W / 280W / 310W



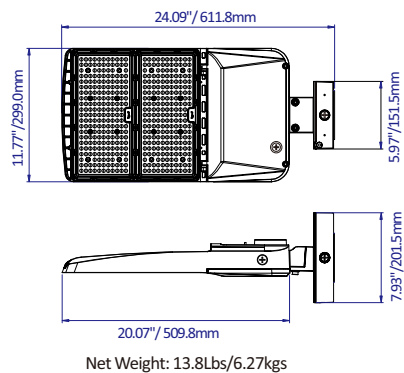
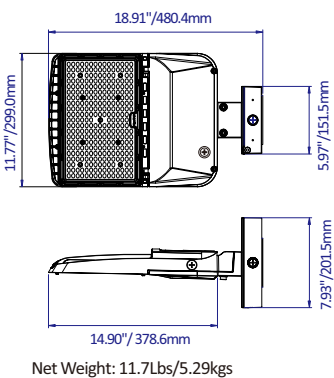
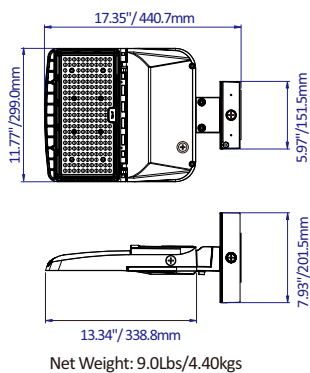
Square & Round Pole Mount



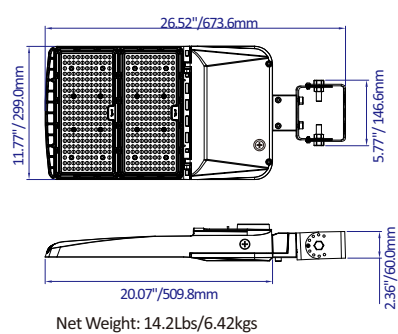
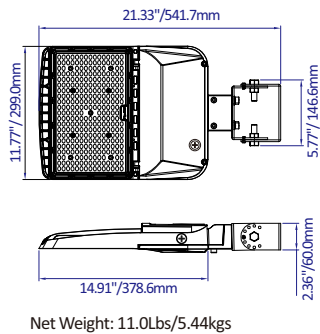
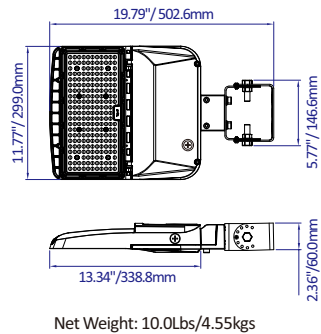
Slip Fitter Mount



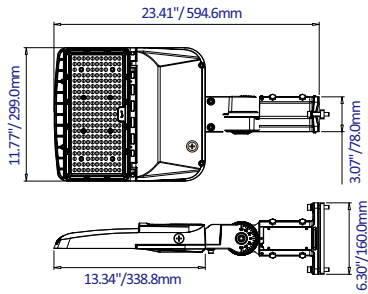
Wall Mount



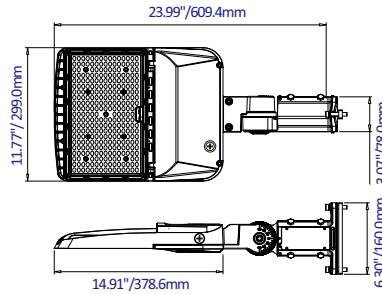
Trunnion Mount



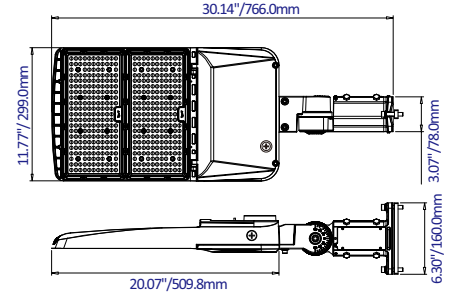
Universal bracket



Net Weight: 10.6Lbs/4.80kgs

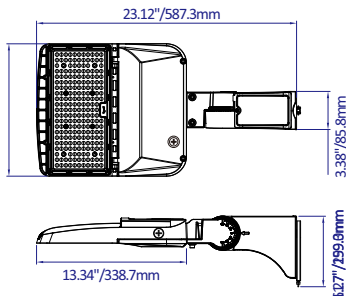


Net Weight: 12.5Lbs/5.69kgs

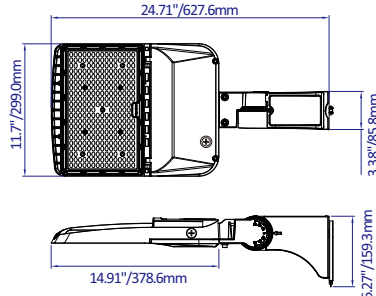


Net Weight: 14.7Lbs/6.67kgs

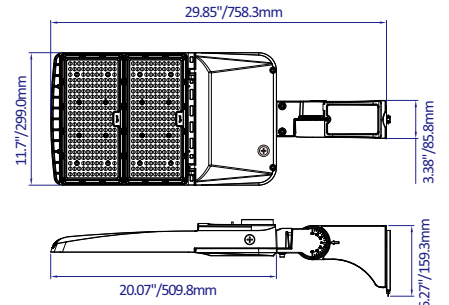
Adjustable Square & Round Pole Mount



Net Weight: 10.5Lbs/4.74kgs



Net Weight: 12.2Lbs/5.52kgs



Net Weight: 14.5Lbs/6.59kgs

Shipping Information

Model	Carton Size (in)	G.W. (lbs)	Per carton (pcs)	20GP (pcs)	40HQ (pcs)
XALH(80/100/120/150)W	15.59 x 13.07 x 5.24	8.42	1	1,260	3,466
XALH(170/200/220/240)W	17.17 x 13.07 x 5.24	9.70	1	1,145	3,151
XALH(240/260/280/310)W	22.32 x 13.07 x 5.71	11.73	1	825	2,270
ALHSQMD02 (Square & Round Pole Mount)	23.6 x 8.7 x 7.7	17.59	8	7,272	20,000
ALHSPMD01 (Slipfitter Mount)	14.8 x 9.8 x 7.9	20.35	8	10,105	27,789
ALHWMD01 (Wallmount)	17.3 x 13.2 x 8.9	21.75	8	5,580	15,345
ALHTRMD01 (Trunnion Mount)	12.8 x 11.6 x 7.5	24.21	8	10,207	28,070
ALHUVMD01 (Universal Bracket Mount)	14.4 x 14.0 x 9.3	28.68	8	6,006	16,516
ALHAAMD02 (Adjustable Square & Round Pole Mount)	20.5 x 15.6 x 6.7	28.70	8	5,429	14,932

Note: The packaging data can sometimes be outdated or incomplete. For the most reliable information, please reach out to us directly.