

ALH SELECTABLE AREA LIGHT

LED Area Light with Selectable CCT and Lumen

Introduction

- ◆ As the latest generation of Area Light, the Hand 10 boasts extremely high cost-effectiveness 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. The fixture with Bluetooth control sensor is support LLLC of HSE Smart Inc (Product ID: N-WPYM0L) and Litetrace(Product ID: N-BYH6ZO).

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 120-277VAC/120-347VAC with standard 10kV Surge protector, or High voltage 277-480VAC with standard 20kV Surge protector.
- ◆ Equipped with a 0-10V continuous dimmable driver; Min.Dim Level: 0%. The fixtures do not have dimming wires led out by default; an additional cost will be required for modification to include them.
- ◆ 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. Black and white 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. Complete warranty terms located at: <https://xsyslights.com/warranty/>

Ordering Guide

EXAMPLE: XALH150WSCSAUVT3SFDCKX

Brand X	Product name ALH	Wattage ¹ XXX	CCT ² YYY	Input Voltage ³ AA	Dist.Type XX	Mount YY	Finish ⁴ ZZ	Photocontrol K	Sensor X
OSL	ALH	150WS= (80/100/120/150)W 240WS= (170/200/220/240)W 310WS= (240/260/280/310)W Note: WS= Wattages Selectable	CSA=(30/40/50)K Note: CSA=CCT Selectable	UV=120-277V LV=120-347V HV=277-480V	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 WM=Wall Mount UB=Universal bracket	DC=Dark Bronze color BC=Black color WC=White color SC=Silvery color GC=Green color OC=Other color	Blank=without Photocell P=with Photocell	Blank=without Motion Sensor S=with Motion Sensor

Note: 1.150WS=150W, 120W, 100W, 80W Selectable, 150W default setting. 240WS=240W, 220W, 200W, 170W Selectable, 240W default setting. 310WS=310W, 280W, 260W, 240W Selectable, 310W default setting.

2.(30/40/50)K=3000K, 4000K, 5000K Selectable, 5000K default setting.

3.The Input Voltage 120-277VAC and 277-480VAC is for US Market, 120-347VAC is for Canada Market only.

4.Finishes in grey text are custom colors. For orders, please contact us in advance.

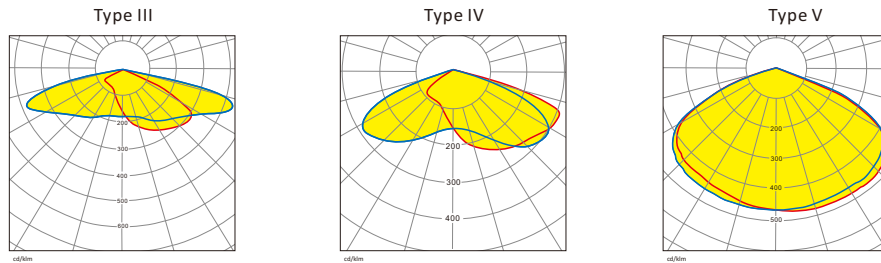
Specification

Wattage & CCT Selectable

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

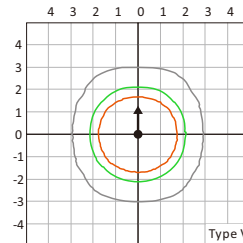
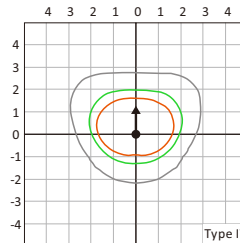
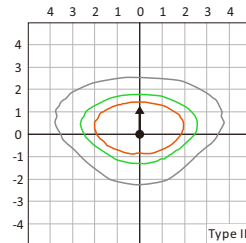
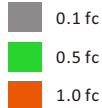
Model	Watts	Distribution Type	5000K, CRI70					4000K, CRI70					3000K, CRI70				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
XALH150WSCSAAAT3YYZZKX	80W	T3	12,800	3	0	3	160	14,450	3	0	3	181	12,300	3	0	3	154
	100W		15,850	3	0	3	159	17,850	3	0	3	179	15,250	3	0	3	153
	120W		18,600	3	0	3	155	20,950	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
XALH150WSCSAAAT4YYZZKX	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
XALH150WSCSAAAT5YYZZKX	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
XALH240WSCSAAAT3YYZZKX	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
XALH240WSCSAAAT4YYZZKX	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
XALH240WSCSAAAT5YYZZKX	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
XALH310WSCSAAAT3YYZZKX	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
XALH310WSCSAAAT4YYZZKX	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
XALH310WSCSAAAT5YYZZKX	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

Photometric Diagrams



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

LEGEND

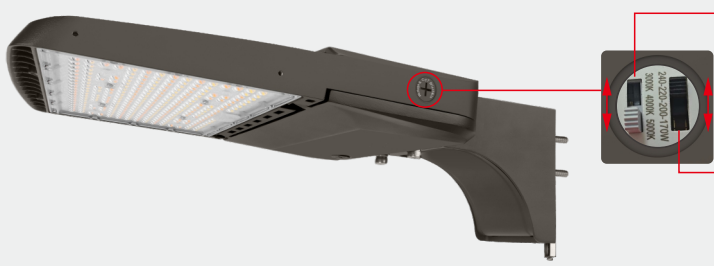


EPA (Square and round pole arm)

*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
										
XALH150WS	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
XALH240WS	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
XALH310WS	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 120-277VAC
	XPCKit-UNV34V Twist-lock Photocell Kit (with receptacle) for XALH, at 120-347VAC		XPCKit-HV48V Twist-lock Photocell Kit (with receptacle) for XALH, at 277-480VAC
	HD09VR-PH Screw-in PIR Sensor, Max.mounting height: 39.4ft. Compatible Controls Receptacle Type: Other		HSE-BSP9H-1 Screw-in PIR Sensor, Max.mounting height: 39.4ft. Compatible Controls Receptacle Type: Other (Networking Wireless Control Version)

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

	HD06R Remote Control
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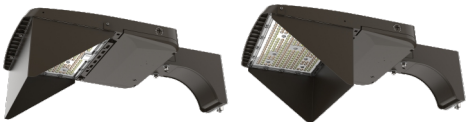
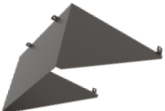
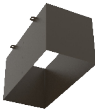
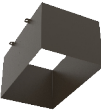
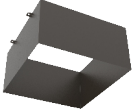
Adapter

Field-Installable (field-installable purchased separately)

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

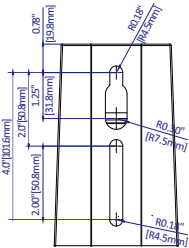
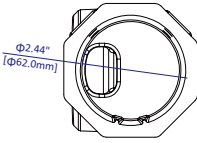
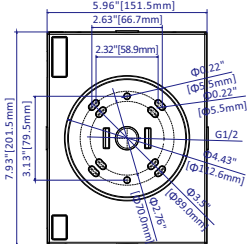
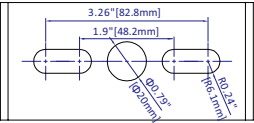
Field-Installable / Field-Use ONLY (purchased separately)

	XALH150W-HGS-D-B External Half Glare shield for XALH150WS		
	XALH240W-HGS-D-B External Half Glare shield for XALH240WS		XALH310W-HGS-D-B External Half Glare shield for XALH310WS
	XALH150W-FGS-D-B External 360° Full Visor for XALH150WS		
	XALH240W-FGS-D-B External 360° Full Visor for XALH240WS		XALH310W-FGS-D-B External 360° Full Visor for XALH310WS

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.)

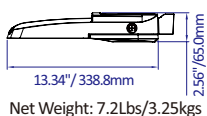
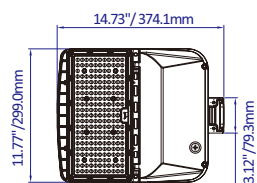


Electrical Data

Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
XALH150WS	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
XALH240WS	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
XALH310WS	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

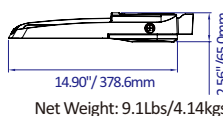
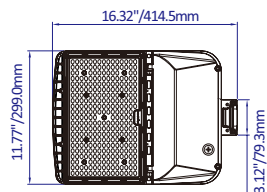
Dimensions& Weight

150WS
Without Mounting Bracket



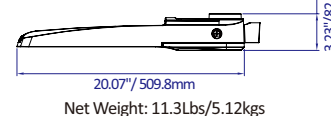
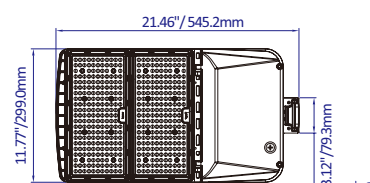
Net Weight: 7.2Lbs/3.25kgs

240WS



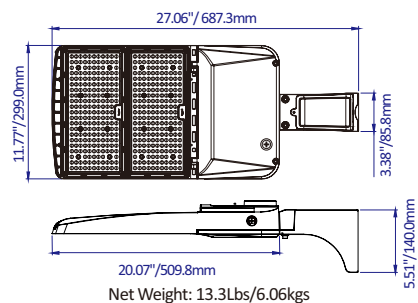
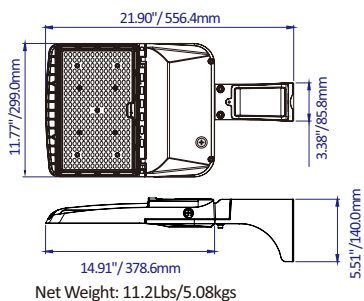
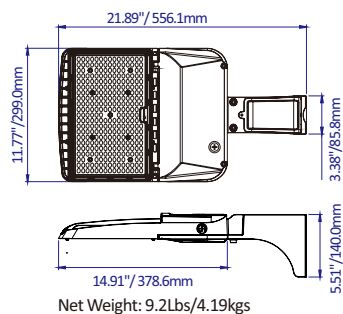
Net Weight: 9.1Lbs/4.14kgs

310WS

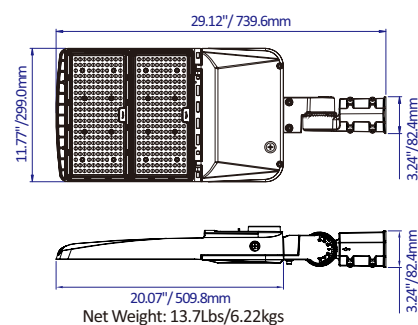
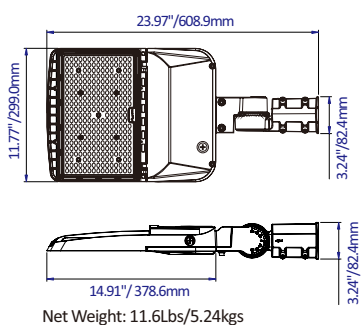
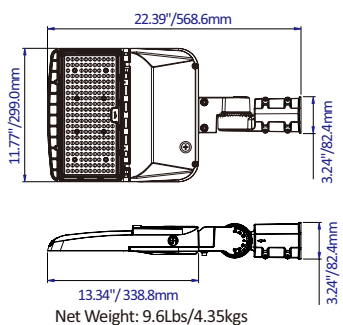


Net Weight: 11.3Lbs/5.12kgs

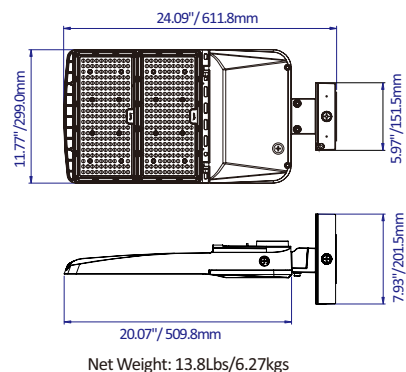
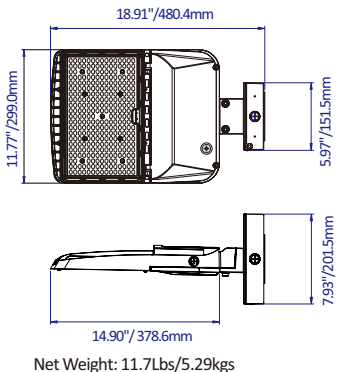
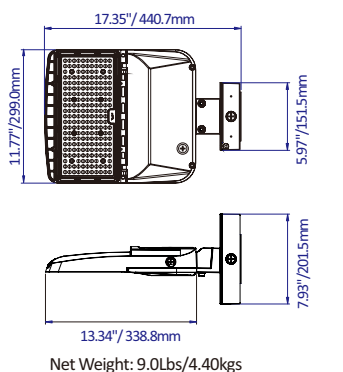
Square & Round Pole Mount



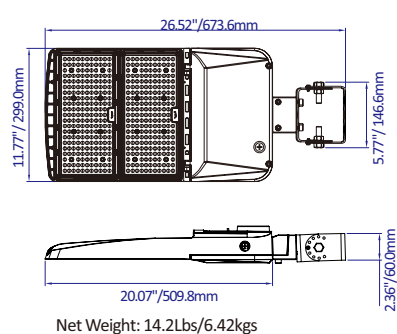
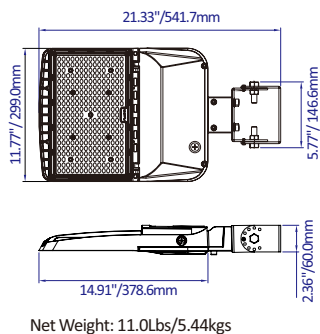
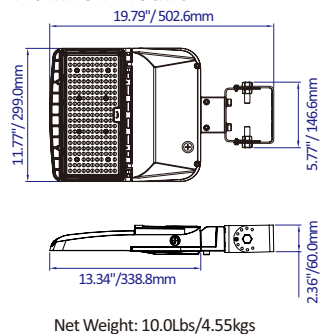
Slip Fitter Mount



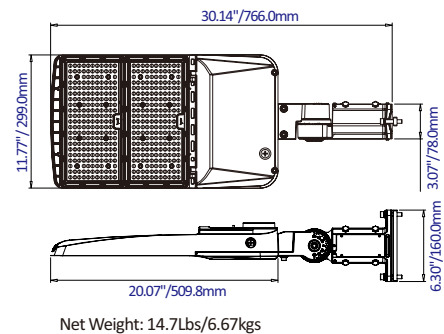
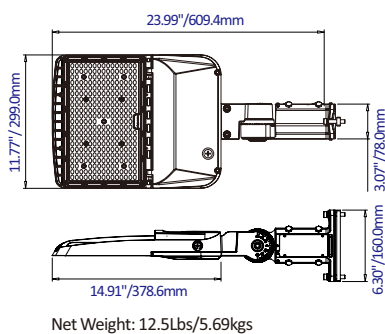
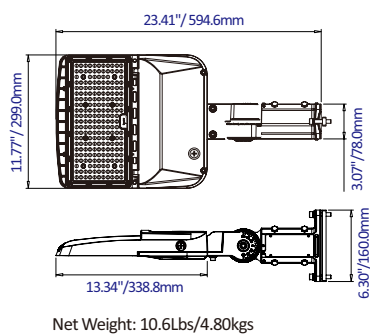
Wall Mount



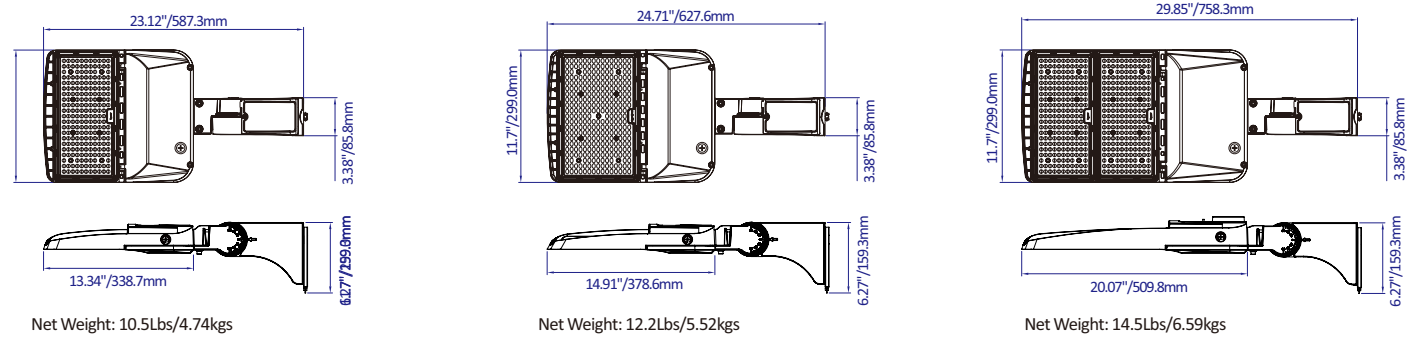
Trunnion Mount



Universal bracket



Adjustable Square & Round Pole Mount



Shipping Information

Model	Carton Size (in)	G.W. (lbs)	Per carton (pcs)	20GP (pcs)	40HQ (pcs)
XALH150WS	15.59 x 13.07 x 5.24	8.42	1	1,260	3,466
XALH240WS	17.17 x 13.07 x 5.24	9.70	1	1,145	3,151
XALH310WS	22.32 x 13.07 x 5.71	11.73	1	825	2,270
ALHSQMD02 (Square & Round Pole Mount)	23.6 x 8.7x 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.