

ALH AREA LIGHT

Amber LED Area Light for Turtle Safe

Introduction

- ◆ The Amber Area Light is specifically designed for Turtle Safe compliance, emitting amber light with a wavelength of 590~605nm. While meeting pedestrians' nighttime lighting requirements, it minimizes ecological disturbance to marine life.
- ◆ The whole family includes two 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 supports LLC from HSE Smart Inc(Product ID:N-WPYMOL), Homewell Inc (Product ID:N-TDEGAJ), and Litetrace (Product ID:N-BYH6ZO).
- ◆ The Amber Area Light is highly suitable for beachfront properties, boardwalks, commercial buildings, hotels, parking lots and patios.

Product Specifications

Construction

- ◆ The Amber 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: 120-277 VAC, equipped with standard 10kV 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 :

- ◆ Turtle and wildlife friendly 590~605nm amber light.
- ◆ Type III,IV,V distributions optional

Finish :

- ◆ Dark bronze is standard. Black and white colors are available.

Control:

- ◆ 3-pin twistlock receptacle and photocell are optional.
- ◆ The 3-pin screw-in base comes as standard, while the sensor is optional.

Ambient Temperature:

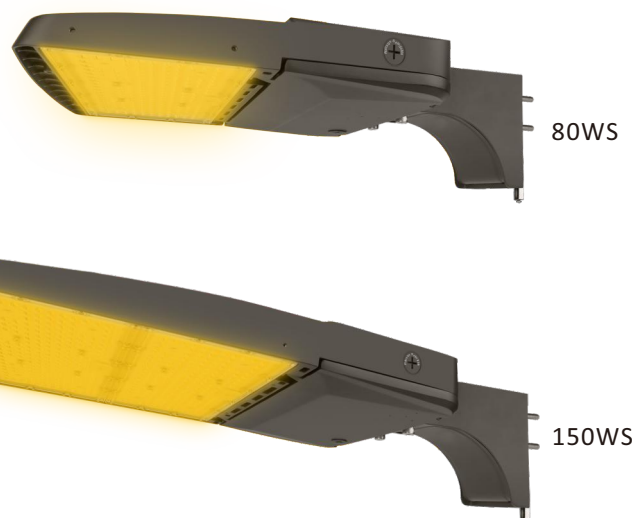
- ◆ -40° F (-40° C) to 113° F (45° C)

Compliances:

- ◆ cULus listed for wet locations.
- ◆ DLC Certification Pending.

Warranty :

- ◆ 5-years limited warranty.



Ordering Guide

EXAMPLE: XALH150WSAMBUVT3SFDCKX

Brand X	Product name ALH	Wattage ¹ XXX	LED Color YYY	Input Voltage AA	Dist.Type XX	Mount YY	Finish ² ZZ	Photocontrol K	Sensor X
LLWINC	ALH	80WS=80/65/50/40W 150WS=150/120/100/80W Note: WS=Wattages Selectable	AMB=de-Amber 590~605nm	UV=120-277V	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

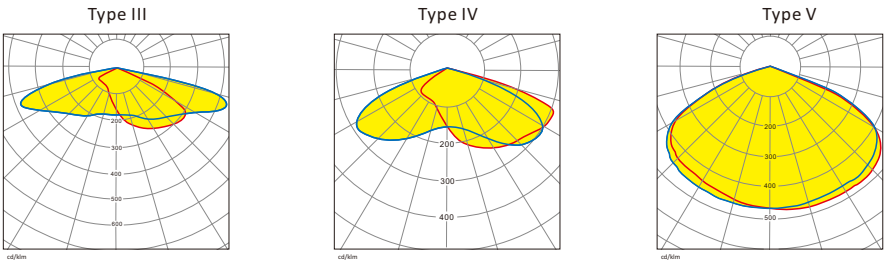
Note: 1.80WS=80W, 65W, 50W, 40W Selectable, 80W default setting. 150WS=150W, 120W, 100W, 80W Selectable, 150W default setting.

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

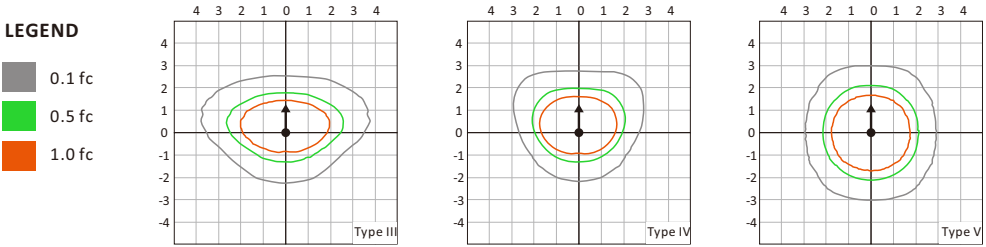
Performance Data

Model	Wattage	Lumen	LED Color	Input voltage
XALH80WSAMBUVXXYYZZKX	80/65/50/40W	Max.2,800lm	de-Amber 590~605nm	120-277VAC 50/60Hz
XALH150WSAMBUVXXYYZZKX	150/120/100/80W	Max.5,250lm		

Photometric Diagrams

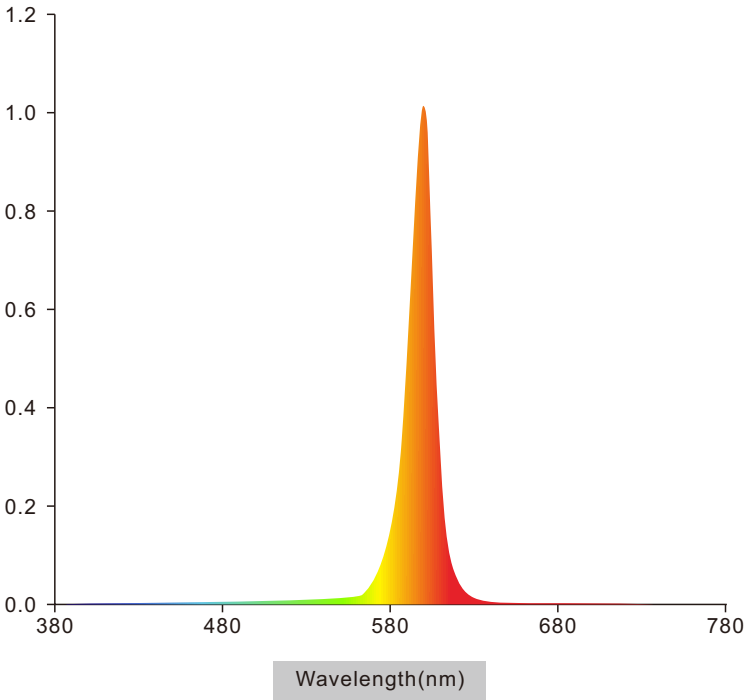


Isofootcandle plots for the 150W-5000K.Distances are in units of mounting height(30')



Spectral Chart

Spectrum

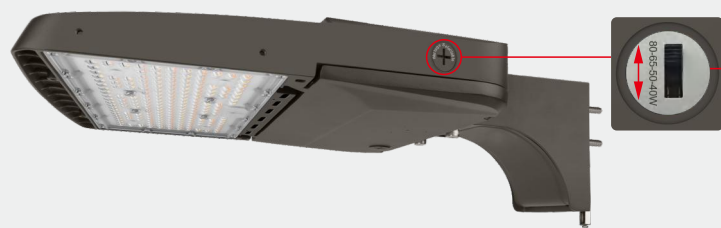


EPA (Slipfitter Mount)

*Includes luminaire and Slipfitter Mount. 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
										
XALH80WS	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
XALH150WS	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

Versatile Selection Capability



Power Select Technology

Size	Power Selection	Default Setting
Size 1	Adjust power between 80/65/50/40W	80W
Size 2	Adjust power between 150/120/100/80W	150W

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
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	HDO9VR-PH Sensor Type: PIR Sensor Max.Mounting Height: 39.4ft		HSE-BSP9H-1 Sensor Type: PIR Sensor Max.Mounting Height: 39.4ft Control: Wireless Networking(including Bluetooth)
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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

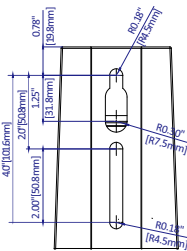
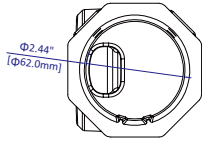
Field-Installable / Field-Use ONLY (purchased separately)

	XALH150W-HGS-D-B External Half Glare shield for XALH80WS		XALH310W-HGS-D-B External Half Glare shield for XALH150WS
	XALH150W-FGS-D-B External 360° Full Visor for XALH80WS		XALH310W-FGS-D-B External 360° Full Visor for XALH150WS

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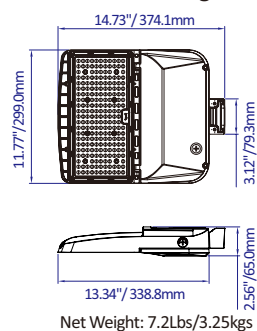
	ALHWMD01 Wallmount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)		ALHTRMD01 Trunion Mount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)
	ALHUVMD01 Universal Bracket Mount for XALH, Dark Bronze (Black, White, Grey and other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

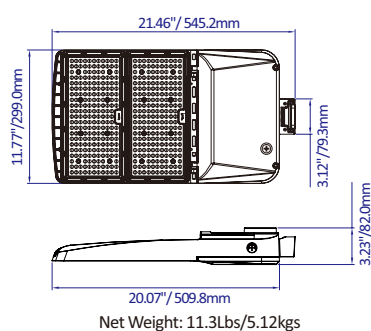
Model Series	Wattage(W)	Current (A)			
		Input Voltage (V)			
		120	208	240	277
XALH80W	80	0.74	0.43	0.37	0.32
	65	0.60	0.35	0.30	0.26
	50	0.46	0.27	0.23	0.20
	40	0.37	0.21	0.19	0.16
XALH150W	150	1.39	0.80	0.69	0.60
	120	1.11	0.64	0.56	0.48
	100	0.93	0.53	0.46	0.40
	80	0.74	0.43	0.37	0.32

Dimensions& Weight

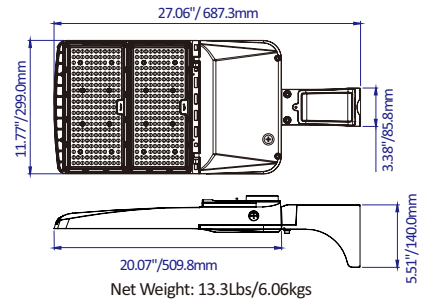
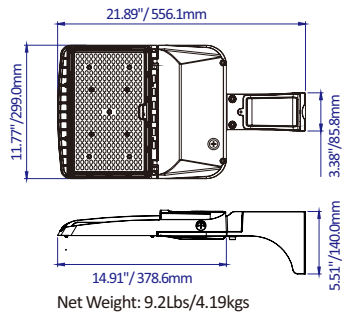
XALH80WS
Without Mounting Bracket



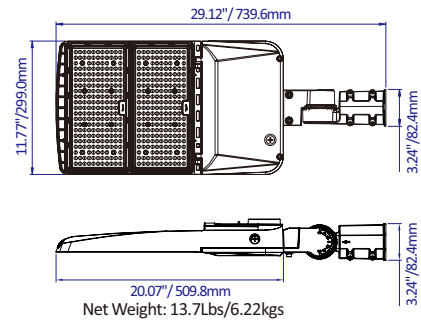
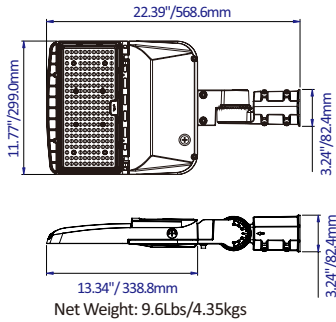
XALH150WS



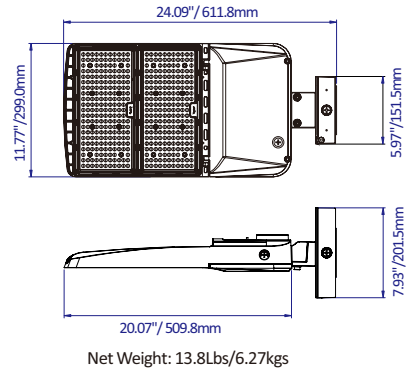
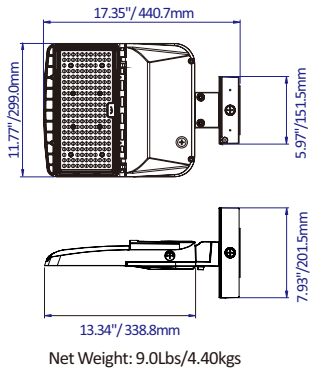
Square & Round Pole Mount



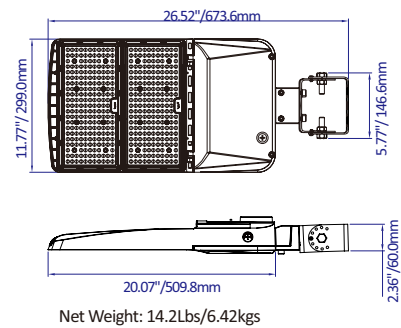
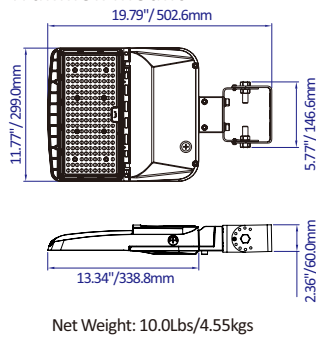
Slip Fitter Mount



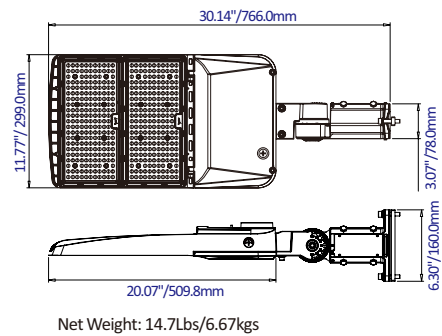
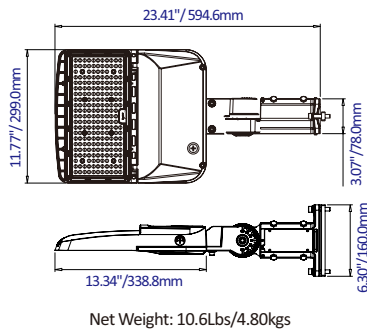
Wall Mount



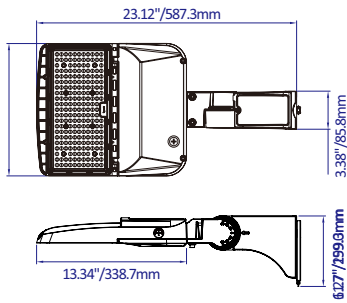
Trunnion Mount



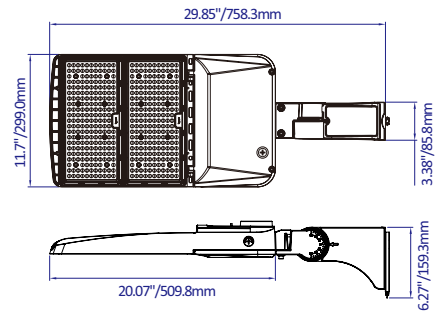
Universal bracket



Adjustable Square & Round Pole Mount



Net Weight: 10.5Lbs/4.74kgs



Net Weight: 14.5Lbs/6.59kgs

Shipping Information

Model	Carton Size (in)	G.W. (lbs)	Per carton (pcs)	20GP (pcs)	40HQ (pcs)
XALH80WS	15.59 x 13.07 x 5.24	8.42	1	1,260	3,466
XALH150WS	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.