

Applications:

Auto dealerships, parking lots, walkways, roadways, campuses, facade lighting, grocery stores and other public areas.

Features

- Rugged one-piece, die-cast aluminum housing secures the thermally conductive LED panel and electrical chamber
- Low profile, 3G vibration rated compact design minimizes wind load requirements.
- Housing is completely sealed against moisture and environmental contaminants.
- Available in IES Type III, IV, V distributions
- Light engines are available in standard 4000 K and 5000 K (70 CRI) configurations.
- Scalable Lumen Packages from 5,360 to 42,000 Lumens replaces up to 1000W Metal Halide.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
- For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed.
- The optics can conform to dark sky requirement.
- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming driver(s)
- THD: $\leq 20\%$
- Power Factor: $\geq 90\%$
- Optional occupancy sensor
- Optional Photocell
- Ambient operating temperature -40°C to 45°C (-40°F to 113°F).
- Suitable for mounting heights ranging from 26-50' in area lighting applications
- Round pole, Square pole, slipfitter and wall mount are available
- The design can be operated by one person to install the whole lamp
- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

40W/70W/100W



150W/200W



250W/300W



Note:

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C ($\pm 5^{\circ}\text{C}$) specifications subject to change without notice.

ORDERING GUIDE

Example: AL4100U4KDPOSPT3

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Sensor (Option)	Mounting	Photometry	Surge Protection (Option)
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
AL4 Area Light Series	40 40W	U 120-277V	4K 4000K	D Dark Bronze	P0 120-277V Photocell	M With 120-277V Sensor	SQ Square Pole Mount	T3 TYPE III Photometry	S Surge protection
	45 45W		5K 5000K	B Black	Blank Without Photocell	Blank Without Sensor	SP Slipfitter Mount	T4 TYPE IV Photometry	(Blank) No Surge protection
	70 70W			W White			WM Wall Mount	T5 TYPE V Photometry	
	75 75W			SG Silver Gray					
	100 100W								

Specifications subject to change without notice.

BUG

SYSTEM WATTS	VOLTAGE	DIST.TYPE	B	U	G
40W	120-277V	3	1	0	1
45W	347-480V	3	1	0	1
70W	120-277V	3	2	0	2
75W	347-480V	3	2	0	2
100W	120-277V	3	2	0	2
150W	120-277V/347-480V	3	3	0	3
200W	120-277V/347-480V	3	3	0	3
250W	120-277V/347-480V	3	4	0	4
300W	120-277V/347-480V	3	4	0	4

MOUNTING

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Wall Mount available for direct wall mounting and J-box mounting
- Optional for cast aluminum slipfitter mounting adapter (Compatible with more MESTER mounting adaptors such as Tenon, suits for various application)

Mounting Options



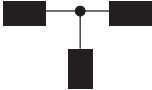
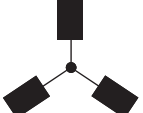
Slipfitter Mount

An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8" O.D. horizontal steel tenon arm.

Wall Mount

Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting

EPA OF AREA LIGHT

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
40W/70W/100W	0.2751	0.5267	0.7321	0.6164	0.9577	0.9837	0.9577
150W/200W	0.421	0.733	0.871	0.844	1.156	1.183	1.156
250W/300W	0.4097	0.7227	0.9919	0.8856	1.1986	1.3049	1.1986

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LED Area Light Series AL4

PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST.TYPE	4000K(70CRI)		5000K(70CRI)	
			LUMENS	LPW	LUMENS	LPW
40W	120-277V	3	5400lm	135 lm/W	5500lm	138 lm/W
	120-277V	4	5360lm	134 lm/W	5480lm	137 lm/W
	120-277V	5	5600lm	140 lm/W	5720lm	143 lm/W
45W	347-480V	3	5900lm	131 lm/W	6000lm	133 lm/W
	347-480V	4	5850lm	130 lm/W	5940lm	132lm/W
	347-480V	5	6120lm	136 lm/W	6210lm	138 lm/W
70W	120-277V	3	9500lm	136 lm/W	9600lm	137 lm/W
	120-277V	4	9310lm	133 lm/W	9450lm	132 lm/W
	120-277V	5	9730lm	139 lm/W	9800lm	140 lm/W
75W	347-480V	3	9800lm	131 lm/W	10000lm	133 lm/W
	347-480V	4	9750lm	130 lm/W	9900lm	132 lm/W
	347-480V	5	10200lm	136 lm/W	10350lm	138 lm/W
100W	120-277V	3	13500lm	135 lm/W	13800lm	138 lm/W
	120-277V	4	13200lm	132 lm/W	13300lm	133 lm/W
	120-277V	5	13800lm	138 lm/W	13900lm	139 lm/W
150W	120-277V	3	20500lm	137 lm/W	20800lm	139 lm/W
	347-480V	3	21000lm	140 lm/W	21300lm	143 lm/W
	120-277V/347-480V	4	19800lm	132 lm/W	20000lm	133 lm/W
	120-277V	5	20500lm	137 lm/W	20800lm	139 lm/W
	347-480V	5	21000lm	140 lm/W	21000lm	140 lm/W
200W	120-277V/347-480V	3	25500lm	128 lm/W	26000lm	130 lm/W
	120-277V/347-480V	4	24600lm	123 lm/W	24800lm	124 lm/W
	120-277V/347-480V	5	25500lm	128 lm/W	26000lm	130 lm/W
250W	120-277V/347-480V	3	34000lm	136 lm/W	34500lm	138 lm/W
	120-277V/347-480V	4	33250lm	133 lm/W	33750lm	135 lm/W
	120-277V/347-480V	5	34750lm	139 lm/W	35250lm	141 lm/W
300W	120-277V	3	40500lm	135 lm/W	41000lm	137 lm/W
	347-480V	3	41500lm	138 lm/W	42000lm	140 lm/W
	120-277V/347-480V	4	39600lm	132 lm/W	39900lm	133 lm/W
	120-277V	5	40500lm	135 lm/W	41000lm	137 lm/W
	347-480V	5	41500lm	138 lm/W	42000lm	140 lm/W

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	980	40	120	0.33
		40	208	0.19
		40	240	0.17
		40	277	0.14
		45	347	0.13
		45	480	0.09
1	1720	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
		75	347	0.22
		75	480	0.16
1	2450	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36
		150	120	1.25
		150	208	0.72
1	3900	150	240	0.63
		150	277	0.54
		150	347	0.43
		150	480	0.31
		200	120	1.67
		200	208	0.96
1	5100	200	240	0.83
		200	277	0.72
		200	347	0.58
		200	480	0.42
		250	120	2.08
		250	208	1.20
1	6400	250	240	1.04
		250	277	0.90
		250	347	0.72
		250	480	0.52
		300	120	2.50
		300	208	1.44
1	6000	300	240	1.25
		300	277	1.08
		300	347	0.86
		300	480	0.63

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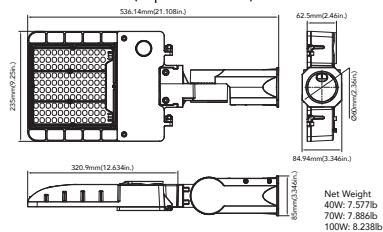


LED Area Light Series AL4

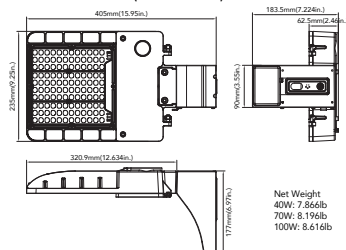
DIMENSION

unit: inch/mm

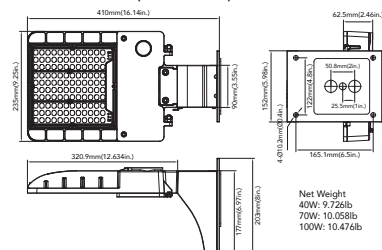
40W/70W/100W (Slipfitter Mount)



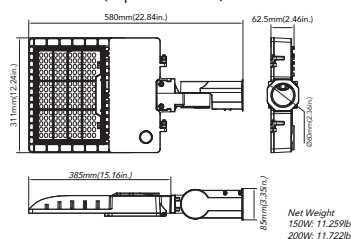
40W/70W/100W (Pole Mount)



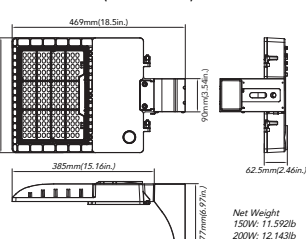
40W/70W/100W (Wall Mount)



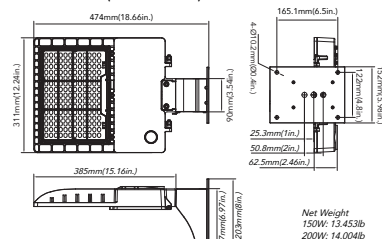
150W/200W (Slipfitter Mount)



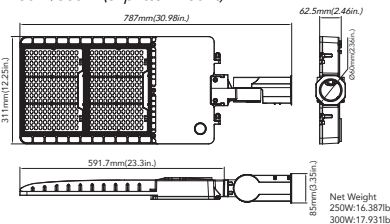
150W/200W (Pole Mount)



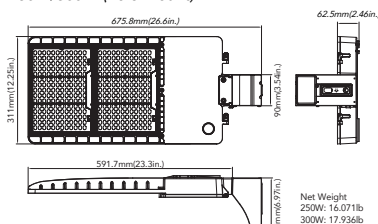
150W/200W (Wall Mount)



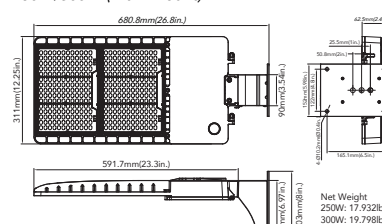
250W/300W (Slipfitter Mount)



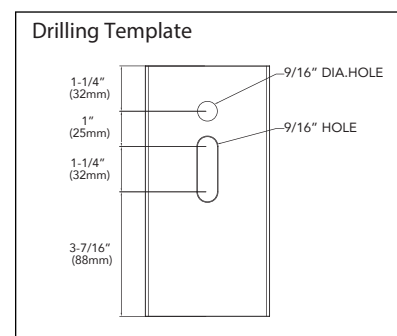
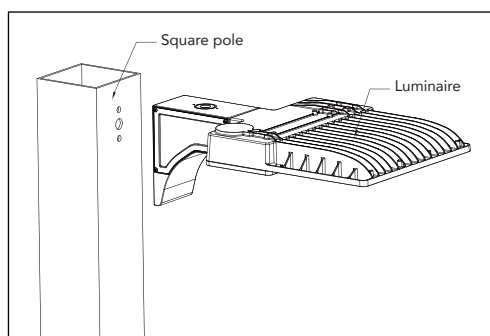
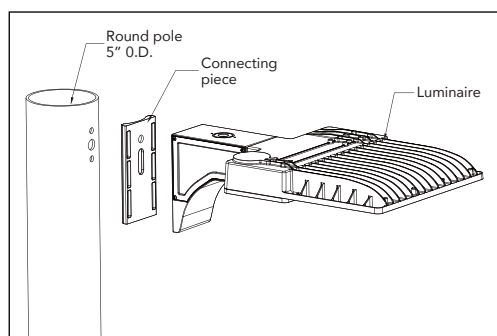
250W/300W (Pole Mount)



250W/300W (Wall Mount)



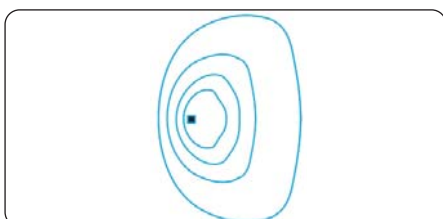
Mounting Dimensions



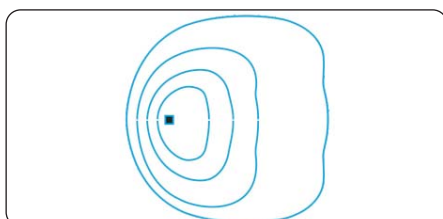
PHOTOMETRICS

Jemm offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

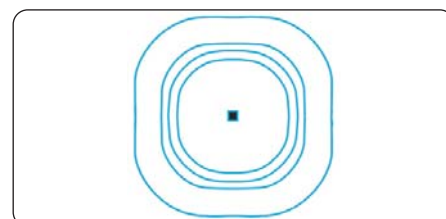
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.



Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.



Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications



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