

LED AREA LIGHT LumPLEX

The LumPLEX LED Area Light is a contemporary, low-profile luminaire engineered to deliver industry-leading lumen output using state-of-the-art LED technology.

Designed for versatility and cost efficiency, LumPLEX is an ideal solution for both new construction and retrofit applications. Its broad performance range -featuring adjustable wattage and adjustable color temperatures—combined with standard flexible mounting options allows a single luminaire platform to address virtually all site lighting needs.

This makes LumPLEX a smart, stocking-friendly choice for ESCO's, national account and distributor programs.



FEATURES

CONSTRUCTION

- One piece die-cast aluminum body
- Adjustable wattage and color temp via easy access dip switch
- Standard 10kV Surge Protection
- 0-10v dimming driver
- 70 CRI
- Universal Mounting Standard

LISTING

- UL and cUL Listed
- IP65 Wet Location Rating
- DLC Listed Premium
- 5-Year Warranty

HOUSING

- Integrated heat sink cooling fins
- Unsurpassed thermal dissipation extending lifetime
- Easy access with hinged door

FINISH

- UV stabilized powder coated finish
- Bronze standard
- Additional colors available-confirm with factory

LENS

- High Impact Polycarbonate Lens
- Optional Type III, Type IV, Type V optics

OPTIONS

- Alternative 277v -480v driver
- 3R, 5R and 7R Pin Receptacles
- Bi-Level Motion Sensor
- House Side Shield
- Photocontrol
- Trunnion and Fixed Arm mounting

3 WATTAGE ADJUSTABLE
100 / 125 / 150W

3 CCT ADJUSTABLE
3000K / 4000K / 5000K



SPECIFICATIONS

Lumen Package (LM):	Up to 39957 lumens
Wattage Range (W):	80 to 300 watts
Efficacy Range (LPW):	Up to 143 LPW
Product Weight:	11.5LBS(LP1)/14.8LBS(LP2)
Carton LBS:	2.7LBS(LP1)/3.8LBS(LP2)

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ORDERING GUIDE



Series	Wattage	CCT	Distribution
LP1 LumPLEX ¹ LP2 LumPLEX ²	080 40/60/80 watts ¹ 150 100/125/150 watts ¹ 220 180/200/220 watts ² 300 240/275/300 watts ²	A 3000/4000/5000K	3 Type III 4 Type IV 5 Type V

Voltage	Mounting	Color	Controls-Options
U Universal 120-277V H High voltage 277-480V	U Universal Mount ³ A Fixed Arm Mount T Trunnion	AL Aluminum BK Black BZ Bronze WH White	PC Photo Control OC Occupancy Sensor 3R 3 Pin Receptacle 5R 5 Pin Receptacle 7R 7 Pin Receptacle HS House Side Shield

Foot Notes:

1 LP1 for 40 to 150 watts

2 LP2 for 180 to 300 watts

3 Universal mount standard consisting of knuckle -slip fitter with mast arm fitter

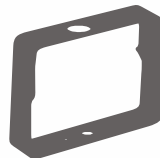
OPTIONS



OC- Occupancy Sensor PIR



Receptacle



Trunnion Mount



Fixed Arm Mount

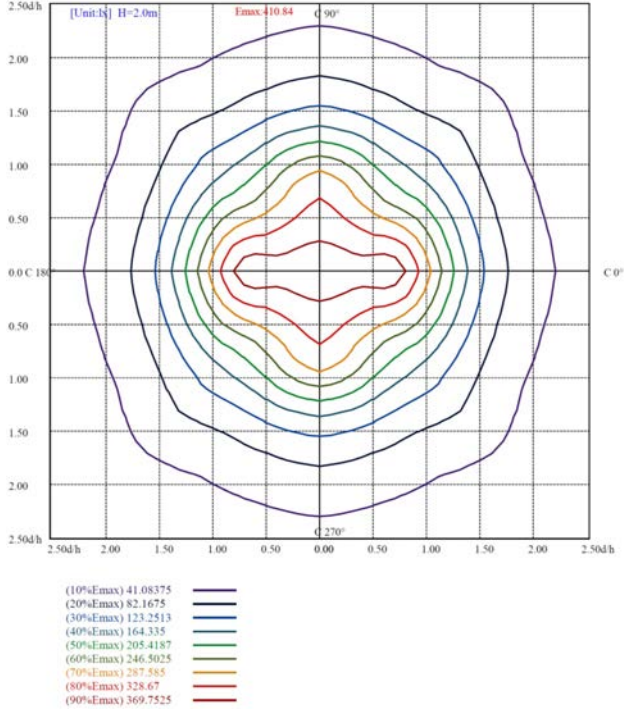


House Side Shield

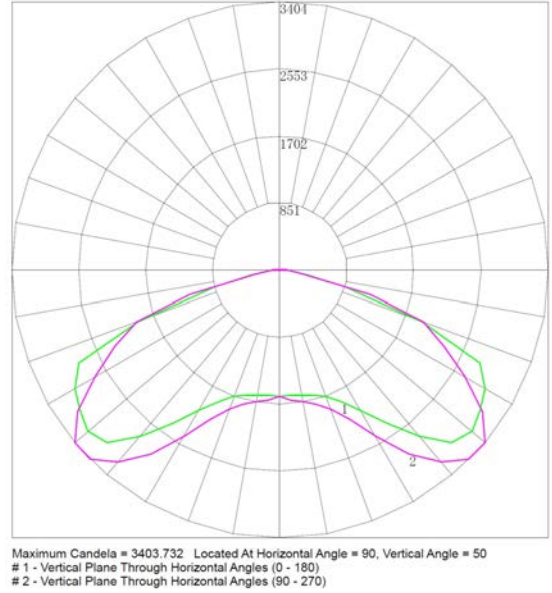
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DISTRIBUTION

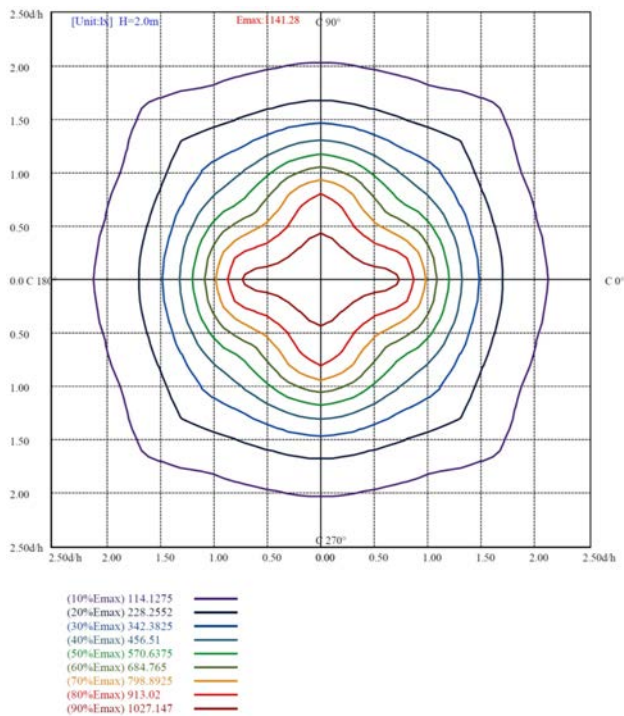
LP1 Type- V ISO illuminance diagram(Lux) 3000K



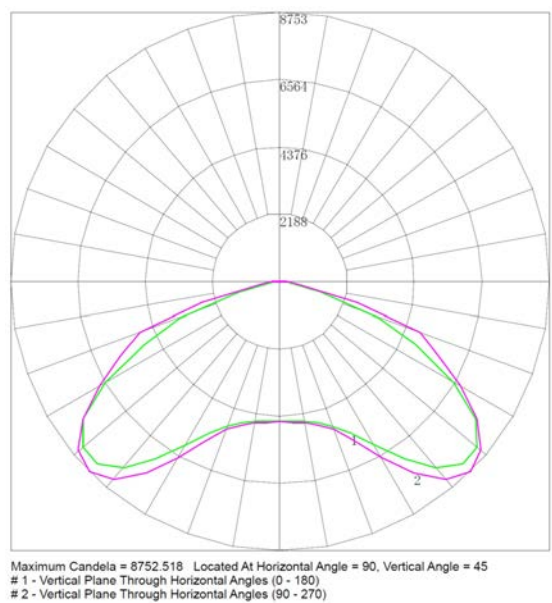
LP1 Type- V Polar Curves 3000K



LP2 Type- V ISO illuminance diagram(Lux) 3000K



LP2 Type- V Polar Curves 3000K



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PERFORMANCE DATA

PERFORMANCE DATA			3000K					4000K					5000K					Voltage
Lumen Package	Distribution	CRI	Delivered Lumens	Efficacy (LPW)	BUG Rating			Delivered Lumens	Efficacy (LPW)	BUG Rating			Delivered Lumens	Efficacy (LPW)	BUG Rating			
					B	U	G			B	U	G			B	U	G	
40 watts	3 Type III	70	6578	161.27	2	0	2	7198.16	179.73	2	0	2	6642.06	162.31	2	0	2	120-277V and 277-480V
	4 Type IV	70	6312	154.71	2	0	2	6880.78	174.96	2	0	2	6383.5	155.17	2	0	2	
	5 Type V	70	6269	153.69	2	0	1	6777.66	170.82	2	0	1	6318.7	154.04	2	0	1	
60 watts	3 Type III	70	9380	151.9	2	0	3	10264.33	169.3	2	0	3	9471.34	152.88	2	0	3	120-277V and 277-480V
	4 Type IV	70	9354	151.46	2	0	3	10196.9	171.28	2	0	3	9459.96	151.92	2	0	3	
	5 Type V	70	9335	151.17	3	0	1	10092.43	168.02	3	0	1	9409.01	151.52	3	0	1	
80 watts	3 Type III	70	11604	145.25	3	0	3	12698	161.88	3	0	3	11717	146.19	3	0	3	120-277V and 277-480V
	4 Type IV	70	11741	145.02	3	0	3	12799	164.01	3	0	3	11874	145.46	3	0	3	
	5 Type V	70	11595.03	144.97	3	0	1	12535.84	161.13	3	0	1	11686.96	145.31	3	0	1	
100 watts	3 Type III	70	14408	147.38	3	0	3	15962.29	167.28	3	0	3	14997.75	152.81	3	0	3	120-277V and 277-480V
	4 Type IV	70	15885	167.86	3	0	4	17792.28	194.1	3	0	4	16610.97	175.17	3	0	4	
	5 Type V	70	14908	151.32	3	0	2	16667.14	176.63	3	0	2	15556.34	157.46	3	0	2	
125 watts	3 Type III	70	16851	138.01	3	0	3	18668.83	156.65	3	0	3	17540.75	143.09	3	0	3	120-277V and 277-480V
	4 Type IV	70	17090	139.85	3	0	4	19141.96	161.71	3	0	4	17871.04	145.94	3	0	4	
	5 Type V	70	17177	140.45	4	0	2	19203.88	163.94	4	0	2	17924.02	146.15	4	0	2	
150 watts	3 Type III	70	19374	135.17	3	0	4	21464	153.42	3	0	4	20167.02	140.15	3	0	4	120-277V and 277-480V
	4 Type IV	70	19389	135.02	3	0	4	21717	156.13	3	0	4	20275.11	140.9	3	0	4	
	5 Type V	70	19178.87	132.73	4	0	2	21441.97	154.93	4	0	2	20012.95	138.12	4	0	2	
180 watts	3 Type III	70	26113.02	144	3	0	4	29008.06	165.9	3	0	4	27282.5	149.44	3	0	4	120-277V and 277-480V
	4 Type IV	70	25745.08	143	3	0	4	28634.99	165.08	3	0	4	26874.98	148.24	3	0	4	
	5 Type V	70	25475.09	141	4	0	2	28336.09	163.27	4	0	2	26588.79	146.58	4	0	2	
200 watts	3 Type III	70	28475.16	141	4	0	4	31632.08	163.37	4	0	4	29750.43	147.17	4	0	4	120-277V and 277-480V
	4 Type IV	70	28221.06	140	3	0	5	31388.91	162.51	3	0	5	29459.62	145.93	3	0	5	
	5 Type V	70	27858.09	138	4	0	2	30986.72	160.21	4	0	2	29075.97	143.84	4	0	2	
220 watts	3 Type III	70	30658.05	139	4	0	5	34056.98	161	4	0	5	32031.08	145	4	0	5	120-277V and 277-480V
	4 Type IV	70	30439.16	137.89	4	0	5	33855.99	160	4	0	5	31775.07	143	4	0	5	
	5 Type V	70	30105	135.9	4	0	2	33485.97	157.58	4	0	2	31421.11	141.47	4	0	2	
240 watts	3 Type III	70	34060.92	143	4	0	5	37547.14	166.62	4	0	5	36005.78	151.47	4	0	5	120-277V and 277-480V
	4 Type IV	70	33456.08	141	4	0	5	37201.19	165.44	4	0	5	35497.83	149.65	4	0	5	
	5 Type V	70	33289.12	140	5	0	3	36254	161.25	5	0	3	35328.02	148.91	5	0	3	
275 watts	3 Type III	70	37606.99	140	4	0	5	41456.16	162.57	4	0	5	39754.33	147.79	4	0	5	120-277V and 277-480V
	4 Type IV	70	37276.02	138	4	0	5	41448.74	161.55	4	0	5	39550.9	146.13	4	0	5	
	5 Type V	70	37159.09	137	5	0	3	40468.65	157.68	5	0	3	39435.02	145.61	5	0	3	
300 watts	3 Type III	70	39969.9	138	4	0	5	44060.92	160	4	0	5	42252.16	145	4	0	5	120-277V and 277-480V
	4 Type IV	70	39065.91	136	4	0	5	43438.99	158	4	0	5	41450.02	143	4	0	5	
	5 Type V	70	38693.97	133.24	5	0	3	42140.23	153.18	5	0	3	41063.91	141.45	5	0	3	

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LUMEN MAINTENANCE TESTING DATA

LUMINAIRE AMBIENT TEMPERATURE FACTOR(LATF)

Ambient Temp		Lumen Multiplier
(°C)	(°F)	
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
30°C	77°F	1
40°C	86°F	0.99
50°C	104°F	0.97

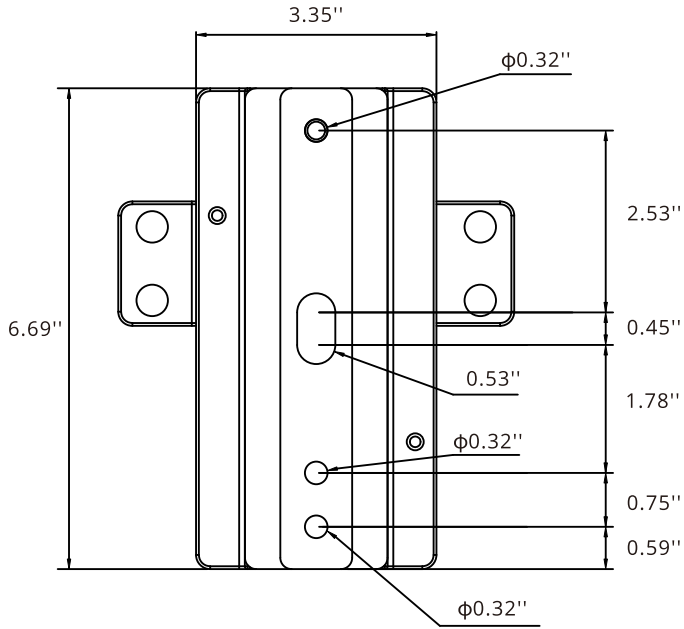
ELECTRICAL DATA

Nominal Wattage	Input Voltage	Current Amps
40 watts	120	0.33
	208	0.19
	240	0.17
	277	0.14
	347	0.12
	480	0.08
60 watts	120	0.50
	208	0.29
	240	0.25
	277	0.22
	347	0.17
	480	0.13
80 watts	120	0.67
	208	0.38
	240	0.33
	277	0.29
	347	0.23
	480	0.17
100 watts	120	0.83
	208	0.48
	240	0.42
	277	0.36
	347	0.29
	480	0.21
125 watts	120	1.04
	208	0.60
	240	0.52
	277	0.45
	347	0.36
	480	0.26
150 watts	120	1.25
	208	0.72
	240	0.63
	277	0.54
	347	0.43
	480	0.31

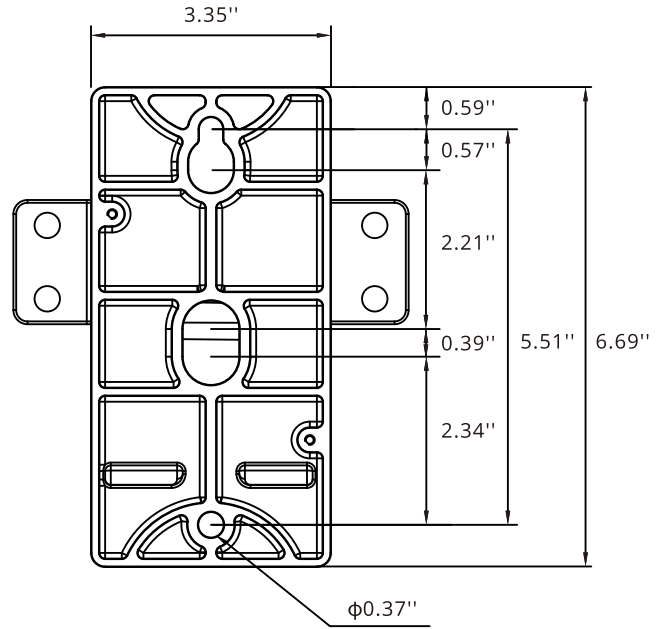
Nominal Wattage	Input Voltage	Current Amps
180 watts	120	1.50
	208	0.87
	240	0.75
	277	0.65
	347	0.52
	480	0.38
200 watts	120	1.67
	208	0.96
	240	0.83
	277	0.72
	347	0.58
	480	0.42
220 watts	120	1.67
	208	1.06
	240	0.92
	277	0.79
	347	0.63
	480	0.46
240 watts	120	2.00
	208	1.15
	240	1.00
	277	0.87
	347	0.69
	480	0.50
275 watts	120	2.29
	208	1.32
	240	1.15
	277	0.99
	347	0.79
	480	0.57
300 watts	120	2.50
	208	1.44
	240	1.25
	277	1.08
	347	0.86
	480	0.63

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DRILL PATTERN









Universal Arm Mount



Fixed Arm Mount

EPA VALUES AND WEIGHTS

EPA VALUES

Mounting Types		LP1			LP2		
		Arm Mount	Universal Mount	Trunnion Mount	Arm Mount	Universal Mount	Trunnion Mount
Single		0.46	1.52	1.52	0.53	2.27	2.27
Double at 90°		0.61	1.79	1.79	0.76	2.6	2.6
Double at 180°		0.92	1.52	1.52	1.06	2.27	2.27
Triple at 90°		1.53	3.31	3.31	1.81	4.87	4.87
Triple at 120°		1.15	4.07	4.07	1.43	6.27	6.27
Quad at 90°		1.53	3.31	3.31	1.81	4.87	4.87

EPA Values noted above are measured at zero degrees tilt

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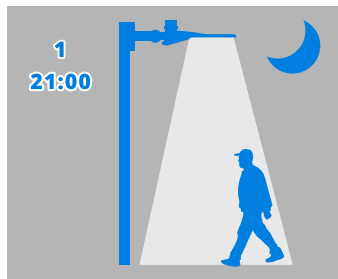
EPA VALUES AND WEIGHTS continued

WEIGHT

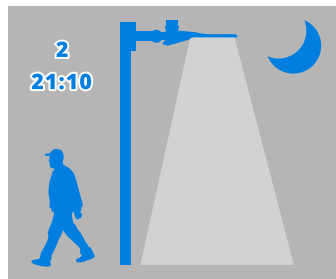
Fixture Size	Weight LBS	Weight KGS
40 watts	11.5	5.21
60 watts	11.5	5.21
80 watts	11.5	5.21
100 watts	11.5	5.21
125 watts	11.5	5.21
150 watts	11.5	5.21

Fixture Size	Weight LBS	Weight KGS
180 watts	14.8	6.72
200 watts	14.8	6.72
220 watts	14.8	6.72
240 watts	14.8	6.72
275 watts	14.8	6.72
300 watts	14.8	6.72

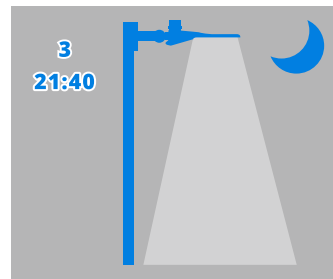
SENSOR OPERATIONS



The light switches on at 100% when there is movement detected

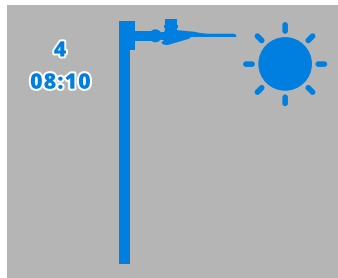


The light dims to stand-by level after the hold-time

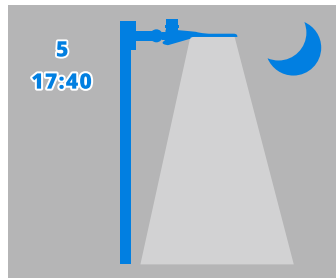


The light remains in dimming level at night

1 ↔ **3** goes in cycle at night...
100% on when movement detected, and dims to 10% in long absence



When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied



The light automatically turns on at 10% when natural light is insufficient (on motion)

Settings on this demonstration:

Hold-time: 10min

Setpoint on: 50lux

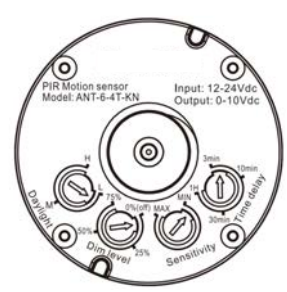
Setpoint off: 500lux

Stand-by Dim: 10%

Stand-by period: +∞

(when the smart photocell sensor open, the stand-by time is only +∞)

OPERATION

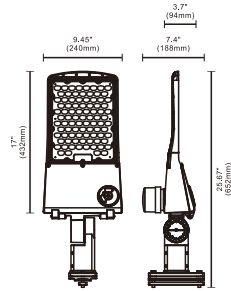
SENSITIVITY	Adjusts detection range. Turn clockwise to increase and anti-clockwise to decrease. Detection range is 1m at "MIN" and 8m at "MAX".	
TIME DELAY	Sets the hold time (duration the light remains at 100% brightness after last motion detection). The sensor switches to standby brightness after the preset time delay: 3 min / 10 min / 30 min / 1 hour.	
DIM LEVEL	Sets standby dimming level to 0% / 25% / 50% / 75% of full light output.	
DAYLIGHT	Adjusts daylight sensitivity. L (LOW): 10lux activation, 100lux deactivation M (MEDIUM): 30lux activation, 300lux deactivation H (HIGH): 50lux activation, 500lux deactivation	

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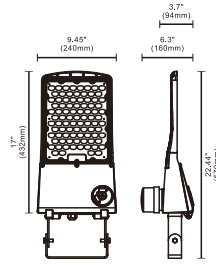
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DIMENSIONS

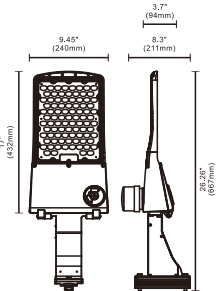
LumPLEX 80w to 150w (LP1)



Universal Mount

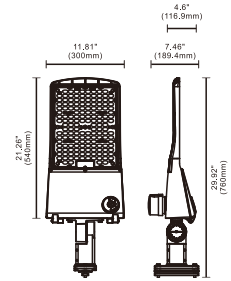


Trunnion Mount

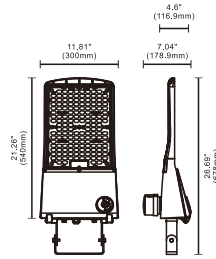


Arm Mount

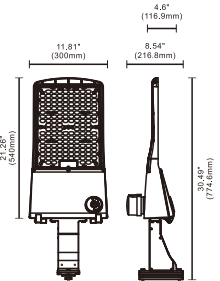
LumPLEX 180w to 300w (LP2)



Universal Mount

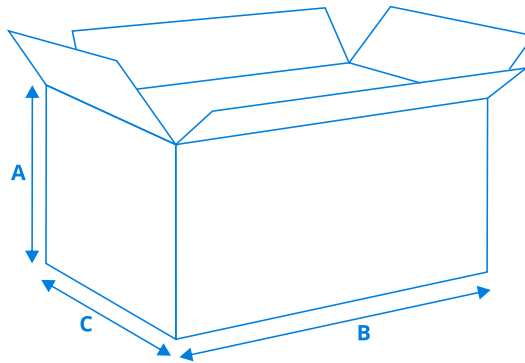


Trunnion Mount



Arm Mount

CARTON DIMENSIONS



Weights	Master Carton				
	Carton Pack	Total Weight LBS	Height A	Width B	Depth C
Fixture Size					
(LP1) 80/150watts	1pc/ctn	14.2	6 3/4"	28"	12"
(LP2) 220/300 watts	1pc/ctn	18.6	7 1/2"	32"	14 1/2"

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