GENERATION 1

PROJECT: _____
CATALOG #: _____
FIXTURE TYPE: _____
NOTES: _____

ALW Area Light Wave Series

ALW Medium



ALW Large



Images are shown for illustration purposes only.

The ***ALW Area Light Wave Series Gen 1*** features an exclusive housing design that complements each environment. This modern luminaire is offered in medium and large sizes with lumen packages between 10,400 to 56,000 lumens. Boasting an advanced heatsink and leading surge protection, this luminaire also provides superior light distribution, visual comfort, and uniformity in its optical design. Spec-grade optics coming soon.

APPLICATIONS

Auto Dealerships, Parking Lots, Walkways, Roadways, and other Public Areas, etc.



SPECIFICATIONS

CONSTRUCTION

Manufactured die-cast aluminum housing includes advanced thermal design and housing that is completely sealed against moisture and environmental contaminants. Low profile, compact design carries 3G vibration rating per ANSI C136.31.

AMBIENT TEMPERATURE

Suitable for use in -40°C to 45°C (-40°F to 113°F)

MOUNTING

Mounting options include Square and Round Pole Mount, Wall Mount, Trunnion Mount, and Adjustable Slipfitter Mount. Optional photocell is installed to the luminaire by default.

LUMEN OUTPUT

Lumen packages ranging from 10,400 to 56,000 lumens

CCT AND CRI

3000K, 4000K and 5000K CCT available; 70CRI

OPTICS

Precision molded optics provides superior distribution, minimal light trespass, and application spacing. Available in Type III, IV, and V light distributions. Spec-grade optics coming soon.

WARRANTY

10-year limited warranty. 1-year labor warranty. Comprehensive warranty terms can be located on www.slgus.com

ELECTRICAL

Standard 120-277V. Optional HVU 347V/480V. Standard 1-10V Dimming. Class II Driver 50/60Hz with open/short circuit protection. 5KV/10KA (120-277V), 10KV/20KA (347-480V) Surge protector per ANSI/IEEE C62.41.2.

FINISH

Standard Polyester Powder Dark Bronze finish. Optional Silver Gray and White finishes available. Custom finishes available.

CERTIFICATIONS

UL Listed for wet locations. Equivalent to IP66 rating. FCC compliant. RoHs compliant. DesignLights Consortium® (DLC) Premium 5.1 qualified product. Not all versions of this product may be DLC qualified. Please visit www.slgus.com to confirm which versions are qualified.

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MOUNTING & OPTIONS


AL-SPAR


AL-WMB


AL-SFD


AL-SFD-P1


AL-T


PC-1


MS-FSP-211


L3/L7


ALW-M-EGS/ALW-L-EGS

ORDERING GUIDE

EXAMPLE: ALW 150 T3 G1 50K

Luminaire Type	Lumen Output	Dist. Type	Generation	Voltage	CCT	Finish	Mount	Options (Pre-Installed)
ALW Wave Area Light Medium	☐ **100** 10,400 Lumens ☐ **150** 14,200 Lumens ☐ **210** 21,200 Lumens ☐ **280** 28,000 Lumens	☐ **T3=** Type III ☐ **T4=** Type IV ☐ **T5=** Type V	☐ **G1**	☐ **BLANK=** 120-277V ☐ **HVU=** 347-480V	☐ **3K*** 3000K ☐ **4K** 4000K ☐ **5K** 5000K	☐ **BLANK=** Dark Bronze ☐ **SG=** Silver Gray ☐ **W=** White ☐ **C**=** Custom	☐ **AL-SPAR=** Square and Round Pole Mount ☐ **AL-WMB=** Wall Mount ☐ **AL-SFD=** Slipfitter Mount ☐ **AL-SFD-P1=** Slipfitter Mount with PC-1 ☐ **AL-T=** Trunnion Mount	☐ **PC-1=** Twist-lock Photocell (120-277V) ☐ **PC-2=** Twist-lock Photocell (480V) ☐ **PC-3=** 7-Pin receptacle ☐ **MS-FSP-211=** Motion Sensor 120-277V (Choose 1) ☐ **L3=** 2x Lens (Max 20ft Mounting Height) ☐ **L7=** 2.5x Lens (Max 40ft Mounting Height) ☐ **MS-FSP-221B=** Motion Sensor 347-480V† (Choose 1) ☐ **L3=** 2x Lens (Max 20ft Mounting Height) ☐ **L7=** 2.5x Lens (Max 40ft Mounting Height) ☐ **MS-LPS-202-L3=** PIR Motion Sensor with 360° L3 Lens, Max 40ft mounting height ☐ **MS-FSIR-100=** Wireless commissioning tool ☐ **ALW-M-EGS=** External Glare Shield for Medium Wave Area Light, Dark Bronze ☐ **ALW-L-EGS=** External Glare Shield for Large Wave Area Light, Dark Bronze
☐ **ALW** Wave Area Light Large	☐ **340** 34,000 Lumens ☐ **430** 42,500 Lumens ☐ **510** 53,000 Lumens							

*Special Order CCT. May require longer lead time.
**For a custom color, please call to place your order.
†Requires 1 MS-FSIR-100 per jobsite.

ADVANCED WIRELESS CONTROL

AVI-LVFA-1CH-12-24VDC-OA 12V DC Single Channel, Bluetooth Controller, Outdoor (Check compatibility)
AVI-LVFA-1CH-12-24VDC-OA-DC 12V DC Single Channel, Bluetooth Controller, Outdoor with Sensor (Check compatibility)
AVI-IFAC-5A-OA Bluetooth Controller with Relay, Outdoor (Check compatibility)
DIM10-087-FW 12VDC Single Channel, Cloud Based Controller (Check compatibility)
FSP 201B Synapse Compatible Wattstopper Sensor (Check compatibility)

RECOMMENDED REPLACEMENT & MOUNTING HEIGHT

Wattage	Lumen Range	Equivalence	Mounting Height
70W	10,400 — 10,600	150W MH	15-20′
100W	14,200 — 14,800	250W MH	15-20′
150W	21,200 — 22,200	400W MH	20-30′
200W	28,000 — 28,800	400W MH	20-30′
240W	34,000 — 35,500	750W MH	25-50′
300W	42,500 — 43,700	1000W MH	25-50′
350W	50,000 — 51,000	1000W MH	25-50′
380W	53,000 — 56,000	1000W MH	25-50′

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OPTIONS & ACCESSORIES



MS-FSP-211
Dimmable Motion Sensor



MS-FSP-L3/L7
Lens

The *MS-FSP-211* provides multi-level control base on motion and daylight level.
IP66 rated when mounted inside the fixture. Requires L3 or L7 lens depending on the mounting height.

Operation Voltage	Shape	Adjustable Time Delay	Fade Down Time	Operating Temperature	Mounting Height For MS-FSP-L3	Mounting Height For MS-FSP-L7
120/277V	Cone	30 sec - 30 min Default 15 min	0-10 sec	-40°F to 158°F (-40°C to 70°C)	Max 20 ft*	Max 40 ft**

*Covers a 40 ft diameter when mounting height is 20 ft. Coverage is equal to 2x the height.
**Covers a 100 ft diameter when mounting height is 40 ft. Coverage is equal to 2.5x the height



MS-FSP-221B
Dimmable Motion Sensor



MS-FSP-L3/L7
Lens



MS-FSIR-100
Wireless Commissioning Tool for MS-FSP-221B

The *MS-FSP-221B* provides multi-level control base on motion and daylight level.
IP66 rated when mounted inside the fixture. Requires L3 or L7 lens depending on the mounting height.

Operation Voltage	Shape	Adjustable Time Delay	Fade Down Time	Operating Temperature	Mounting Height For MS-FSP-L3	Mounting Height For MS-FSP-L7
Single Phase 100-347VAC Phase to Phase 208/230/480VAC	Cone	30 sec / 1-30 min Default 5 min	0-60 sec	-40°F to 167°F (-40°C to 75°C)	Max 20 ft*	Max 40 ft**

*Covers a 40 ft diameter when mounting height is 20 ft. Coverage is equal to 2x the height.
**Covers a 100 ft diameter when mounting height is 40 ft. Coverage is equal to 2.5x the height



Twist-lock Photocell

PC-1: 120-277V On/Off Twist-lock Photocell
PC-347: 347V On/Off Twist-lock Photocell
PC-480: 480V On/Off Twist-lock Photocell

MOUNTING



AL-SPAR



AL-WMB



AL-SFD



AL-SFD-P1



AL-T

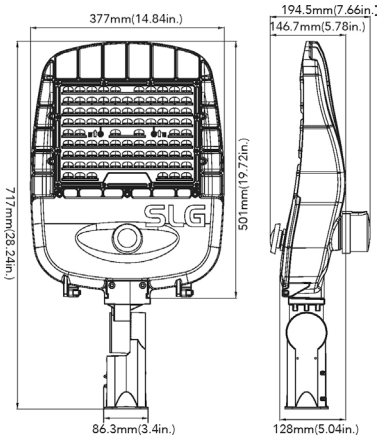
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DIMENSIONS

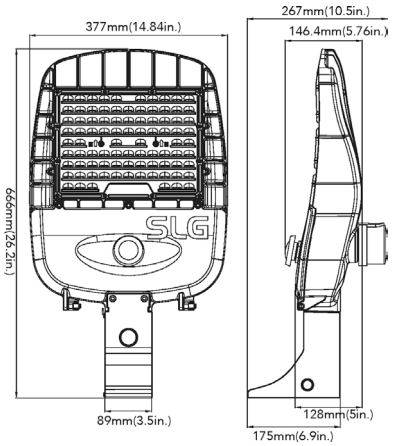
MEDIUM

70W, 100W, 150W, 200W
Slipfitter Mount
WEIGHT: 13.25 LB



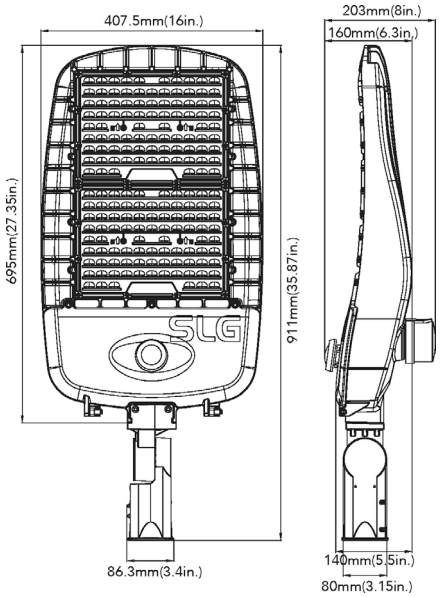
MEDIUM

70W, 100W, 150W, 200W
Pole Mount
WEIGHT: 13.25 LB



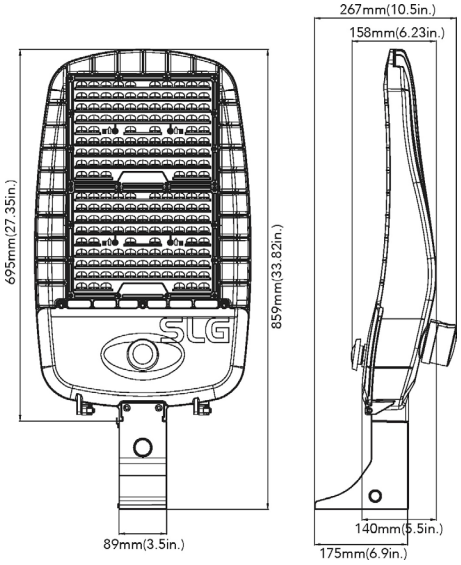
LARGE

240W, 300W, 350W, 380W
Slipfitter Mount
WEIGHT: 20.95 LB

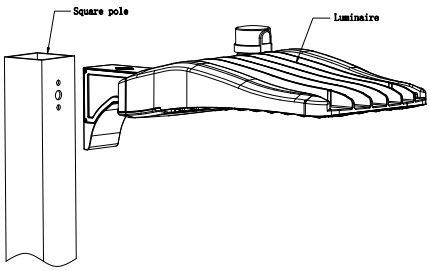


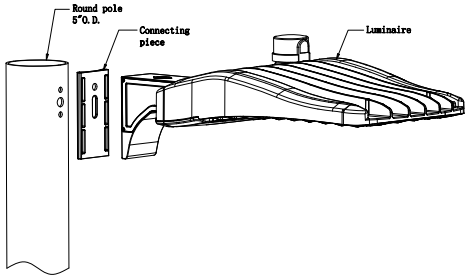
LARGE

240W, 300W, 350W, 380W
Pole Mount
WEIGHT: 20.95 LB

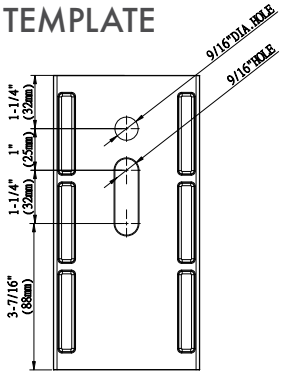


MOUNTING DIMENSIONS





DRILLING TEMPLATE



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PERFORMANCE COMPARISON

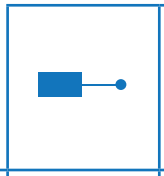
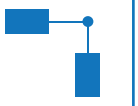
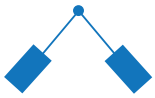
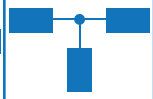
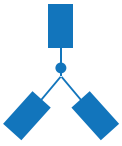
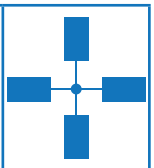
Product Number	Wattage	Voltage	Dist. Type	3000K CCT					4000K CCT					5000K CCT				
				Lumen	B	U	G	Efficacy	Lumen	B	U	G	Efficacy	Lumen	B	U	G	Efficacy
ALW 100	70W	120-277V	Type III	10,250	2	0	2	146	10,400	2	0	2	149	10,400	2	0	2	149
			Type IV	10,250	1	0	3	146	10,400	1	0	3	149	10,400	1	0	3	149
			Type V	10,450	3	0	3	149	10,600	3	0	3	151	10,600	3	0	3	151
		347-480V	Type III	10,250	2	0	2	146	10,400	2	0	2	149	10,400	2	0	2	149
			Type IV	10,250	1	0	3	146	10,400	1	0	3	149	10,400	1	0	3	149
			Type V	10,450	3	0	3	149	10,600	3	0	3	151	10,600	3	0	3	151
ALW 150	100W	120-277V	Type III	14,000	2	0	2	140	14,200	2	0	2	142	14,200	2	0	2	142
			Type IV	14,000	3	0	4	140	14,200	3	0	4	142	14,200	3	0	4	142
			Type V	14,500	4	0	4	145	14,800	4	0	4	148	14,800	4	0	4	148
		347-480V	Type III	14,000	2	0	2	140	14,200	2	0	2	142	14,200	2	0	2	142
			Type IV	14,000	3	0	4	140	14,200	3	0	4	142	14,200	3	0	4	142
			Type V	14,500	4	0	4	145	14,800	4	0	4	148	14,800	4	0	4	148
ALW 210	150W	120-277V	Type III	21,000	3	0	3	140	21,200	3	0	3	141	21,200	3	0	3	141
			Type IV	21,000	3	0	4	140	21,200	3	0	4	141	21,200	3	0	4	141
			Type V	22,000	4	0	4	147	22,200	4	0	4	148	22,200	4	0	4	148
		347-480V	Type III	21,000	3	0	3	140	21,200	3	0	3	141	21,200	3	0	3	141
			Type IV	21,000	3	0	4	140	21,200	3	0	4	141	21,200	3	0	4	141
			Type V	22,000	4	0	4	147	22,200	4	0	4	148	22,200	4	0	4	148
ALW 280	200W	120-277V	Type III	28,000	4	0	3	140	28,000	4	0	3	140	28,000	4	0	3	140
			Type IV	28,000	3	0	4	140	28,000	3	0	4	140	28,000	3	0	4	140
			Type V	28,500	5	0	5	143	28,800	5	0	5	144	28,800	5	0	5	144
		347-480V	Type III	28,000	4	0	3	140	28,000	4	0	3	140	28,000	4	0	3	140
			Type IV	28,000	3	0	4	140	28,000	3	0	4	140	28,000	3	0	4	140
			Type V	28,500	5	0	5	143	28,800	5	0	5	144	28,800	5	0	5	144
ALW 340	240W	120-277V	Type III	33,500	3	0	4	140	34,000	3	0	4	142	34,000	3	0	4	142
			Type IV	33,500	3	0	5	140	34,000	3	0	5	142	34,000	3	0	5	142
			Type V	35,000	5	0	5	146	35,500	5	0	5	148	35,500	5	0	5	148
		347-480V	Type III	33,500	3	0	4	140	34,000	3	0	4	142	34,000	3	0	4	142
			Type IV	33,500	3	0	5	140	34,000	3	0	5	142	34,000	3	0	5	142
			Type V	35,000	5	0	5	146	35,500	5	0	5	148	35,500	5	0	5	148
ALW 430	300W	120-277V	Type III	42,000	3	0	4	140	42,500	3	0	4	142	42,500	3	0	4	142
			Type IV	42,000	4	0	4	140	42,500	4	0	4	142	42,500	4	0	4	142
			Type V	43,500	5	0	5	145	43,700	5	0	5	146	43,700	5	0	5	146
		347-480V	Type III	42,000	3	0	4	140	42,500	3	0	4	142	42,500	3	0	4	142
			Type IV	42,000	4	0	4	140	42,500	4	0	4	142	42,500	4	0	4	142
			Type V	43,500	5	0	5	145	43,700	5	0	5	146	43,700	5	0	5	146
ALW 510*	380W	120-277V	Type III	52,500	3	0	5	138	53,000	3	0	5	139	53,000	3	0	5	139
			Type IV	52,500	3	0	5	138	53,000	3	0	5	139	53,000	3	0	5	139
			Type V	55,500	5	0	5	146	56,000	5	0	5	147	56,000	5	0	5	147
	350W	347-480V	Type III	49,500	3	0	5	141	50,000	3	0	5	143	50,000	3	0	5	143
			Type IV	49,500	3	0	5	141	50,000	3	0	5	143	50,000	3	0	5	143
			Type V	50,500	5	0	5	144	51,000	5	0	5	146	51,000	5	0	5	146

*Different wattage between 120-277V and HVU 347-480V

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EPA OF AREA LIGHT

								
M	70W 100W 150W 200W	0.6299	1.232	1.493	1.259	1.861	2.095	1.861
L	240W 300W 350W 380W	0.8062	1.458	1.842	1.612	2.264	2.494	2.264

ELECTRICAL LOAD

	Current (A)					
Wattage	**120V**	**208V**	**240V**	**277V**	**347V**	**480V**
70W	0.58	0.34	0.29	0.25	0.20	0.15
100W	0.83	0.48	0.42	0.36	0.29	0.21
150W	1.25	0.72	0.63	0.54	0.43	0.31
200W	1.66	0.96	0.83	0.72	0.58	0.42
240W	2.0	1.15	1.0	0.87	0.69	0.50
300W	2.5	1.44	1.25	1.08	0.87	0.63
350W	—	—	—	—	1.01	0.73
380W	3.17	1.83	1.58	1.37	—	—

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Ambient		**Lumen Multiplier**
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.98
40°C	104°F	0.98

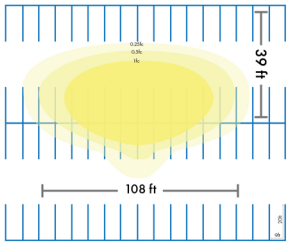
PROJECTED LUMINAIRE MAINTENANCE

	OPERATING HOURS				
Ambient Temperature	**0**	**25,000**	**50,000**	**100,000**	**Calculated L70 (Hours)**
25°C / 77°F	1	0.95	0.91	0.81	>214,973

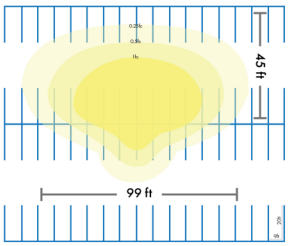
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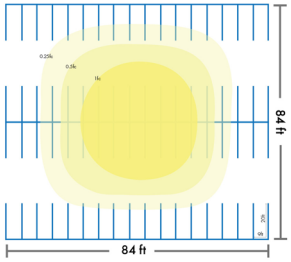
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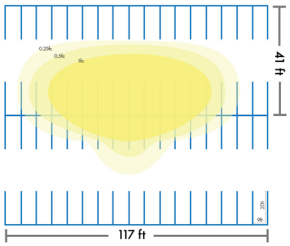
70W Type III - 20ft



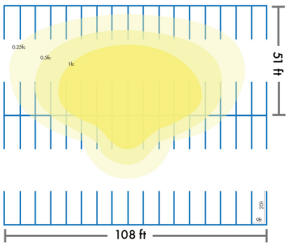
70W Type IV - 20ft



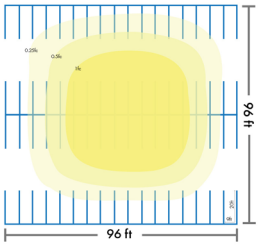
70W Type V - 20ft



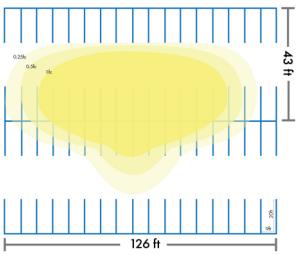
100W Type III - 20ft



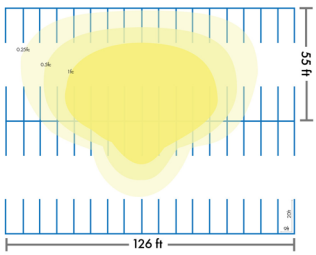
100W Type IV - 20ft



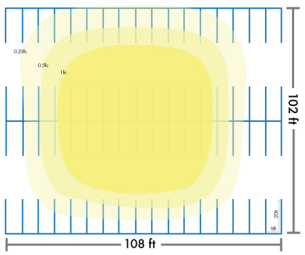
100W Type V - 20ft



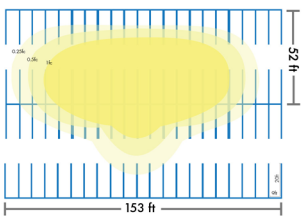
150W Type III - 20ft



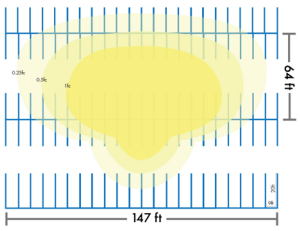
150W Type IV - 20ft



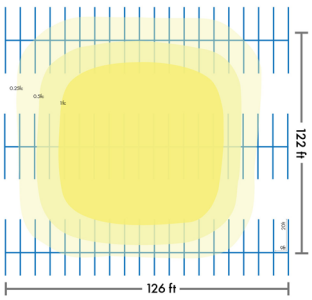
150W Type V - 20ft



200W Type III - 25ft



200W Type IV - 25ft

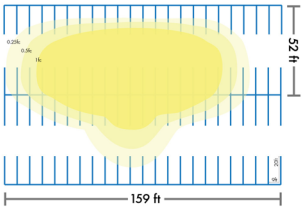


200W Type V - 25ft

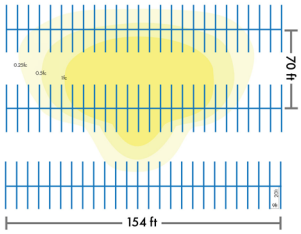
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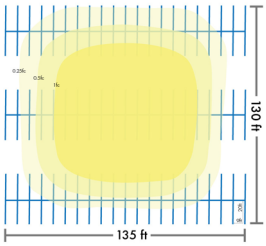
PHOTOMETRIC



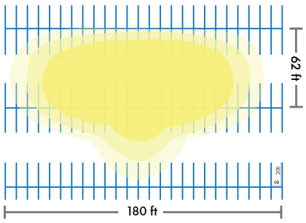
240W Type III - 25ft



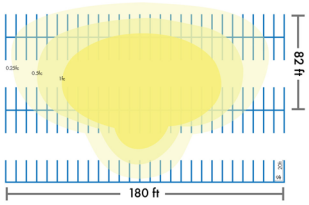
240W Type IV - 25ft



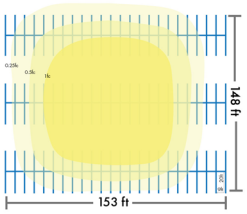
240W Type V - 25ft



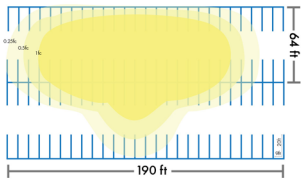
300W Type III - 30ft



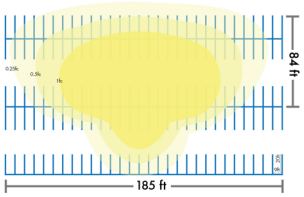
300W Type IV -30ft



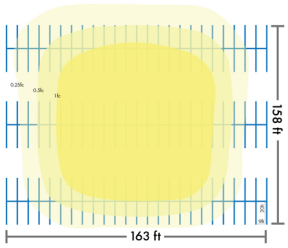
300W Type V - 30ft



380W Type III - 30ft



380W Type IV -30ft



380W Type V - 30ft

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