

LAP-2G

Project Name:	
Type:	



APPLICATION

For all applications in site, area, and general lighting requiring high uniformity, excellent vertical light distribution, reduced offsite visibility, reduced on-site glare and effective security light levels. The LAP luminaire delivers exceptional performance in a low-profile design.

FEATURES:

- Die-cast aluminium construction body on which electrical components.
- Die-cast integral heat sink to provide thermal management.

MOUNTING:

- PMS: Pole mount arm available for 3", 4" and 5" square pole.
- PMR: Pole mount arm available for 3" (PMR3), 4" (PMR4) and 5" (PMR5) dia. round pole.
- SF: Adjustable slip fitter mount available for pipe installation (1-21/32"O.D to 2-3/8"O.D)
- WM: Wall mount plate.
- Mounting arm bolts are 304 stainless steel and zinc-plated steel.
- MA: Available for 2.375"(O.D) sized Mast Arm Pole.
- MA2: Availabel for 1.900"(O.D) sized Mast Arm Pole.

LED:

- Color Temperature: 3000 / 4000 / 5000K
- Color Rendering Index: 70+ CRI.
- Nichia LED.
- Lifetime: over 50,000 hours.
- Optical lens is used to reduce glare.

ELECTRICAL:

- UL, FCC certified input voltage range: 100V-277V, 50/60HZ
- Power factor >90%, THD <20%
- 72LED: Class 2 LED electronic driver.
- 108LED, 141LED, 188LED: Class 1 electronic driver.
- Operating temperature: -40°C to 40°C (110W can reach +50°C).
- Provided with integrated surge protection (6kV line-line, 10kV line-earth).
- Optional integrated 10kV/10kA surge protection available (SP10).
- Over Voltage Protect : Hiccup mode. The power supply shall return to normal operation only after the power is turn-on again.
- Short Circuit Protect : No damage shall occur when any output operating in a short circuit condition. The power supply shall be self-recovery when the fault condition is removed.
- Over Temperature Protect : 110°C
- Meets ANSI/IEEE C62.41 Category C (outdoors) High.
- Waterproof (IP67) and UL Dry / Damp / Wet Location outdoor LED driver.
- RoHS compliant.
- Complies with Part 15 of the FCC Rules (meets 47 CFR 15, Class B).

OPTIC:

- UV stabilized polycarbonate lens.

LISTING:

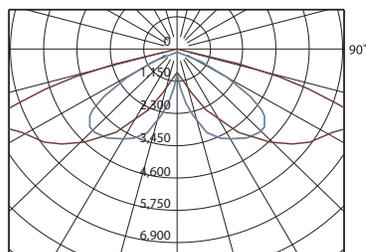
- UL / CUL listed.
- Listed to UL 1598 and UL 8750.
- DLC listed. ¹
- ARRA compliant (optional).
- BAA compliant (optional).
- BABA compliant (optional). ¹⁴
- Suitable for wet location.
- Tested to IESNA LM80 standards.
- LM79, LM80.
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) ²
- IP65 & IP66.
- Certified to ANSI C136.31-2010, 3.0G Level 2 for Bridge/Overpass Applications.

LAP-2G

CONFIGURATIONS

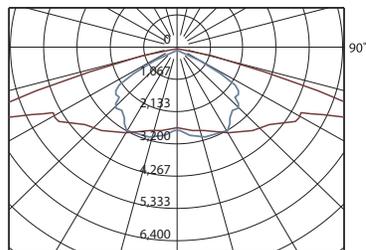
	Type	Input Rating	Efficiency (lm/w)	Total Lumen Output	Drive Current per LED	EPA Rating (w/o photocell)	EPA Rating (w/ photocell)	B.U.G. Rating	Weight (lbs/kg)
72	T2	72W	106.1	7644 lm	1.4 A	0.64	0.651	B3-U0-G3	23.17 lbs / 10.51 kg
	T3		123.3	8977 lm					
	T4M		124.5	9064 lm					
	T5S		127.4	9251 lm					
	T5W		141.1	10158 lm					
108	T2	108W	107.8	12359 lm	2.1 A	0.7	0.71	B3-U0-G3	25.38 lbs / 11.51 kg
	T3		109.7	11753 lm					
	T4M		127.2	13650 lm					
	T5S		129.6	13932 lm					
	T5W		141.1	15238 lm					
141	T2	137.9W	123.59	17048 lm	2.8 A	0.77	0.782	B3-U0-G3	26.7 lbs / 12.11 kg
	T3	141W	115.5	16370 lm					
	T4M		126.8	17854 lm					
	T5S		131.9	18831 lm					
	T5W		141.1	19894 lm					
188	T2	188W	112.3	21554 lm	3.8 A	0.9	0.914	B4-U0-G4	27.36 lbs / 12.41 kg
	T3		131.9	24645 lm					
	T4M		121.6	22862 lm					
	T5S		137.2	25856 lm					
	T5W		141.1	26526 lm					

Polar Candela Distribution (TYPE 3 medium + House Shield)



Downward Street Side	8,120.0	92.1%
Downward House Side	701.5	8%
Downward Total	8,821.5	100%

Polar Candela Distribution (TYPE 3 medium)



Downward Street Side	7,304.4	62.2%
Downward House Side	4,448.7	37.9%
Downward Total	11,753.1	100%

LAP-2G

ORDERING INFORMATION

EXAMPLE: LAP-2G-108LED-50K-T3-UNV-DM-BZ-WM

MODEL	LED		COLOR TEMP.		DISTRIBUTION			VOLTAGE		DIMMING		FINISH		
LAP-2G	72LED	72W (40LEDs)	-30K	3000K	T2	Type II		UNV	120-277V (Std.)	DM	0-10V Dimming (Std.)	BZ	Dark Bronze RAL#8019 (Std.)	
	108LED	108W (60LEDs)	-40K	4000K	T3	Type III			347					347V
	141LED	141W (80LEDs)	-50K	5000K (Std.)				T4M	Type IV Medium		480			480V
	188LED	188W (120LEDs)	AMB	Amber LED ^{7, 10, 11}	T5S	Type V Short								
	xxxLED	Customized Wattage/ Lumen package ⁹									T5W			Type V wide

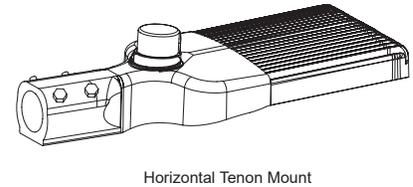
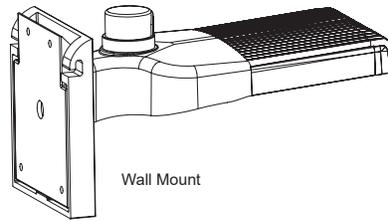
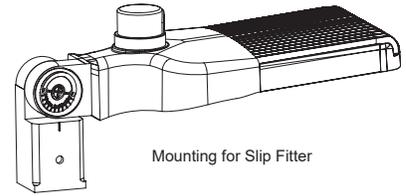
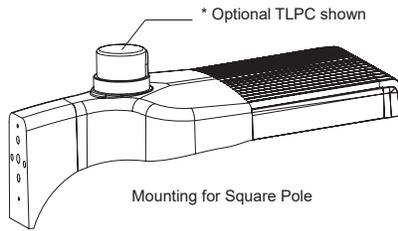
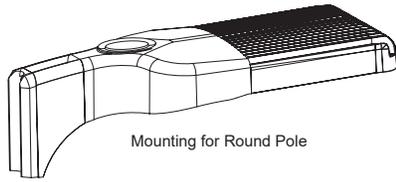
* Available custom color (RAL)
Please provide us with the RAL number.
* Non-standard finish with extra charge.

MOUNTING		OPTIONS			
SF	Slip Fitter	HS	House Shield	ARRA	Assembled in USA
WM	Wall Mount	RC	NEMA twist-lock receptacle only (no controls)	BAA	BAA(Buy American Act) compliant
PMS	Square Pole Mount Arm	RC7	NEMA 7-wire receptacle only (no controls) ³	BABA	BABA (Build America Buy America) compliant ¹²
PMR3	3" Round Pole Mount Arm	TLPC3	3-Pin Receptacle and Twist Lock Photocell Installed 120V-277V	BR	Bird Guard, Stainless Steel Spikes
PMR4	4" Round Pole Mount Arm	TLPC4	3-Pin Receptacle and Twist Lock Photocell Installed 480V	O7W	Optional 7 Years Limited Warranty ²
PMR5	5" Round Pole Mount Arm	TLPC-SC	Shorting Cap	O10W	Optional 10 Years Limited Warranty ²
MA	Horizontal Tenon Mount (Mounts to 2" IP, 2.375" O.D)	SP10	Integrated 10kV/10kA surge protection	316	316 Stainless steel mounting arm bolts & exposed screws
MA2	Horizontal Tenon Mount (Mounts to 1-1/2" IP, 1.900" O.D)	REM16	Remote 16W Emergency Battery Backup (CEC Compliant EM) in black finish ^{8, 9}	ZINC	Zinc finish
		LRD-309S-x	0-10V Dimming Control Multi-level high/low step dim and Smart dim Occupancy Sensor (*IR remote programmable), (See note 5 to select lens for "x") ^{4, 6}	CASAMBI	Contact factory for CASAMBI READY options
		LRD-509S-x	IP-66 rated integrated 0-10V SmartDIM or multi-level high/low dim control occupancy sensor (*IR remote programmable), (See note 5 to select lens for "x") ^{4, 6}		
		RS-LRD	Remote programmer for LRD-509S and LRD-309S		
		PSC-BLE-SR	McWong 0-10V Bi-level passive infrared (PIR) occupancy sensor with dim-to-off for Bluetooth Mesh in Silvalair enabled		

NOTES:

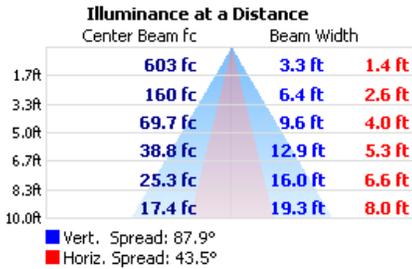
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Standard dimming 0-10V, ANSI C136.41, Photocell and shorting cap by others.
- The default setting can be found on the IR-TEC installation instructions.
- A:** Standard cone shape Lens @ 15' height (up to 30' coverage)
B: Extra wide cone shape Lens @ 10' height (up to 60' coverage)
C: High bay cone shape Lens @ 30' height (up to 90' coverage)
D: Standard round shape Lens @ 20' height (up to 40' coverage)
F: Extra wide dome shape Lens @ 20' height (up to 80' coverage)
G: Aisle way arch shape Lens @ 40' height (up to 120' coverage)
H: High bay dome shape Lens @ 50' height (up to 50' coverage)
- Order "RS-LRD" to adjust sensor setting.
- DLC is not available.
- Only available with Wall Mount.
- Remote Box is UL1598 recognized, IP66, IP67 rated, and ambient temperature up to 55°C.
- The proportion of radiated power in the 400nm-500nm segment is calculated to be 1.2%.
- The lm/w for the white LED is approximately 55%.
- Not all configurations may comply. Please confirm compliance with the factory.

LAP-2G

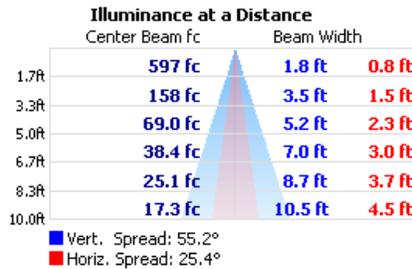


* Effective Projected Area (EPA) with Square Pole Mounting.

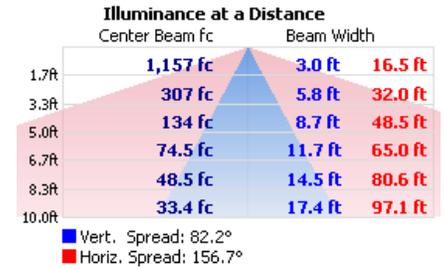
LAP-2G-72LED-T2



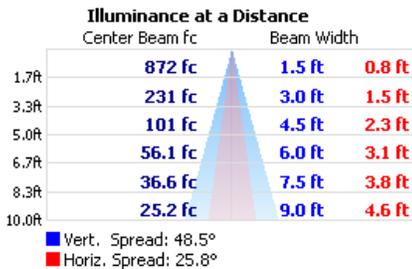
LAP-2G-72LED-T4M



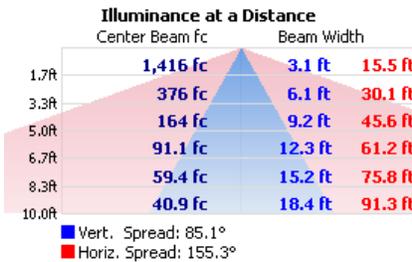
LAP-2G-108LED-T2



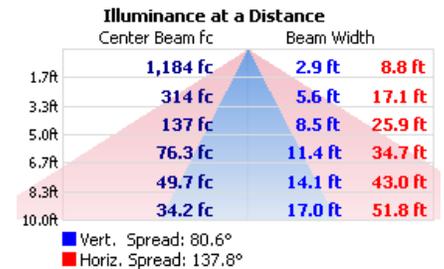
LAP-2G-108LED-T4M



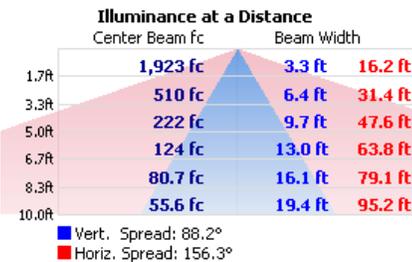
LAP-2G-141LED-T2



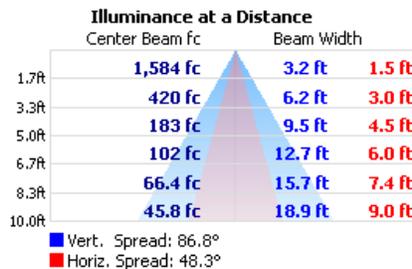
LAP-2G-141LED-T4M



LAP-2G-188LED-T2



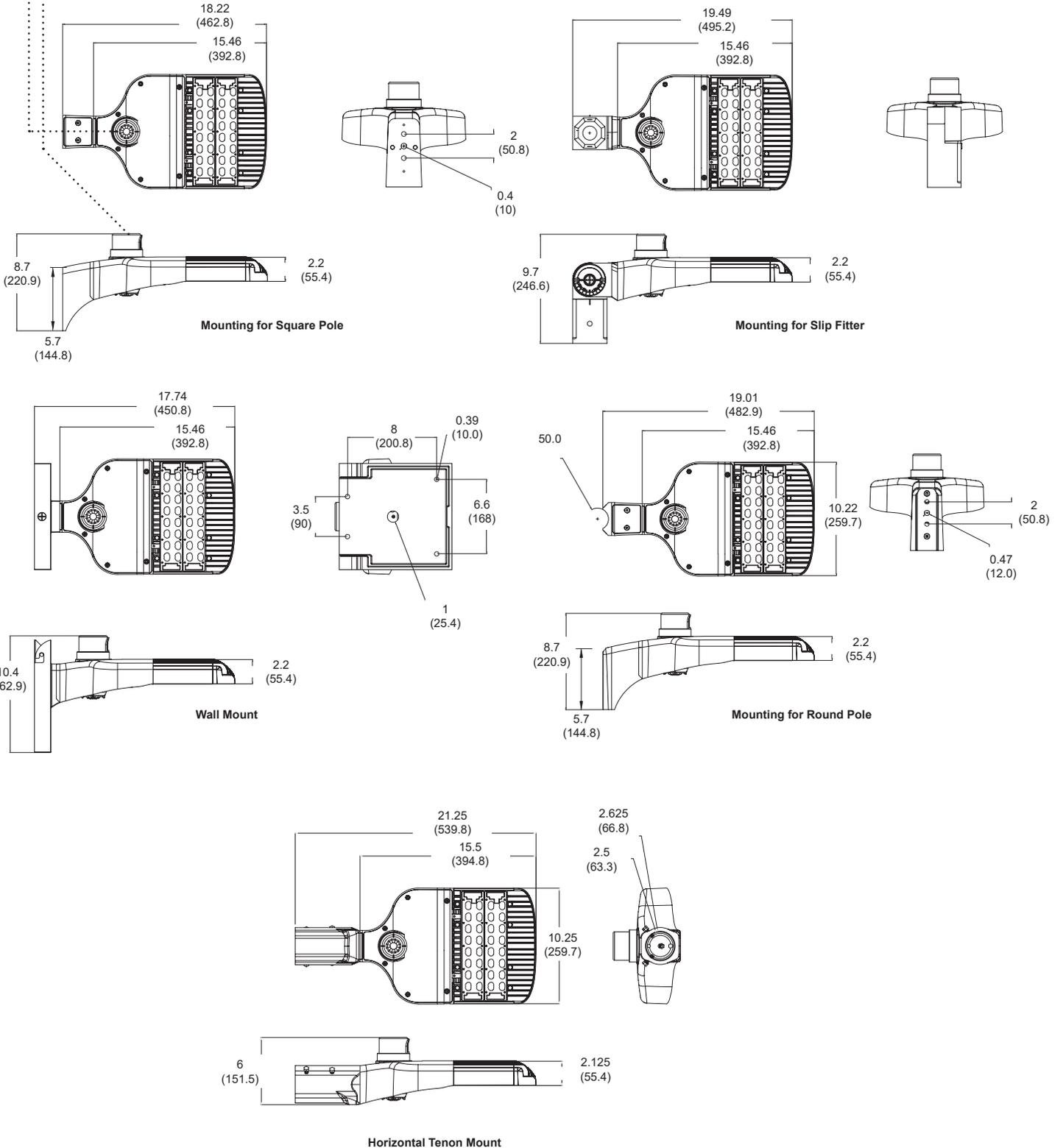
LAP-2G-188LED-T4M



LAP-2G

72W

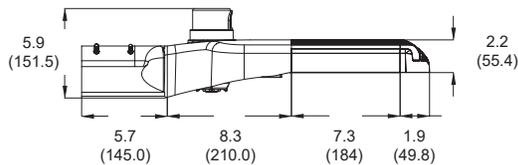
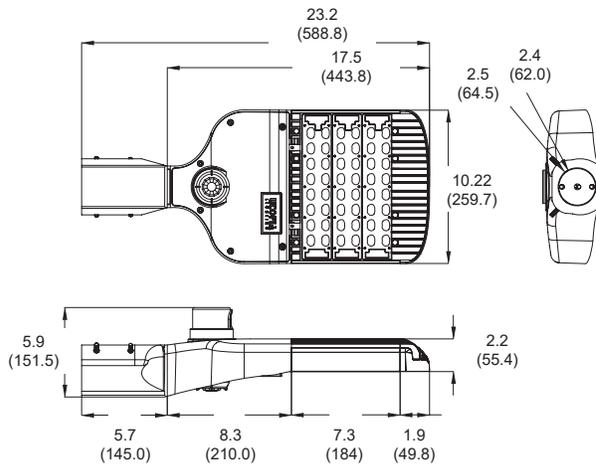
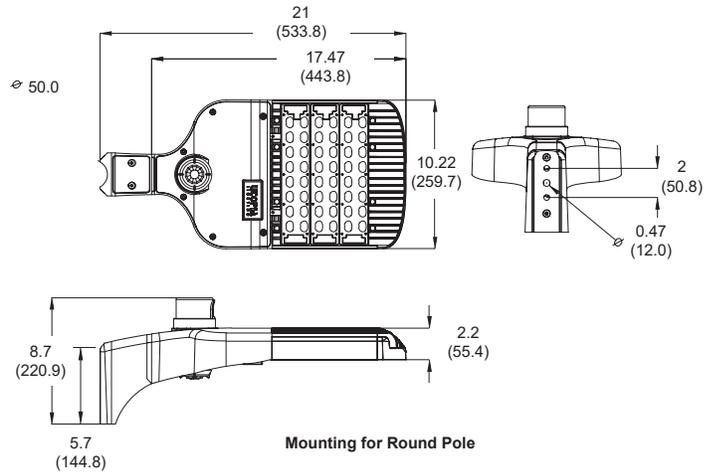
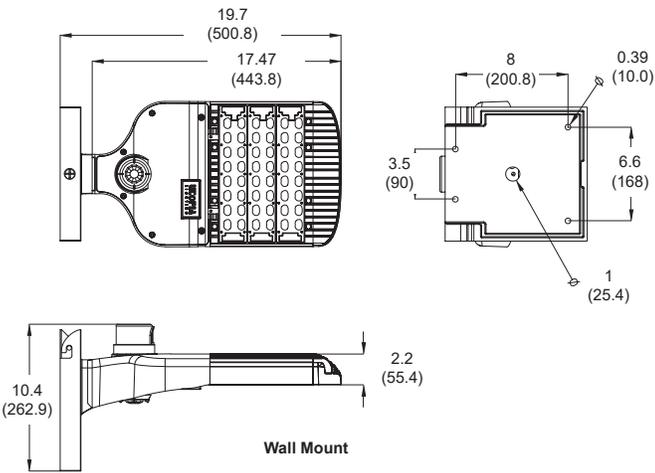
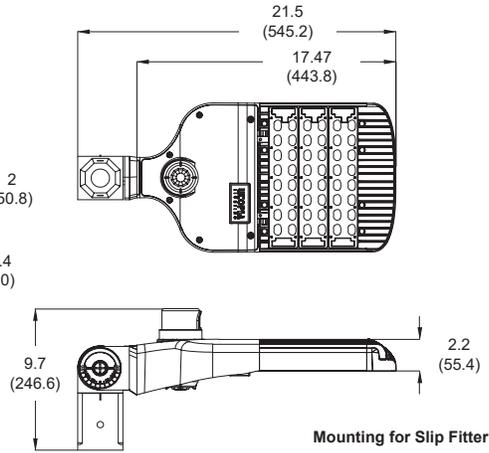
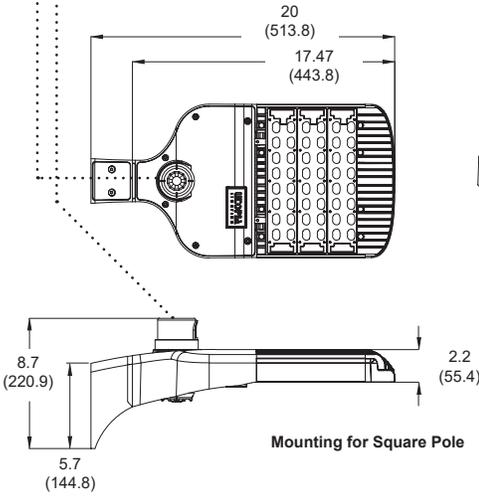
- * Optional FSP-211 shown
- * Optional TLPC shown



LAP-2G

108W

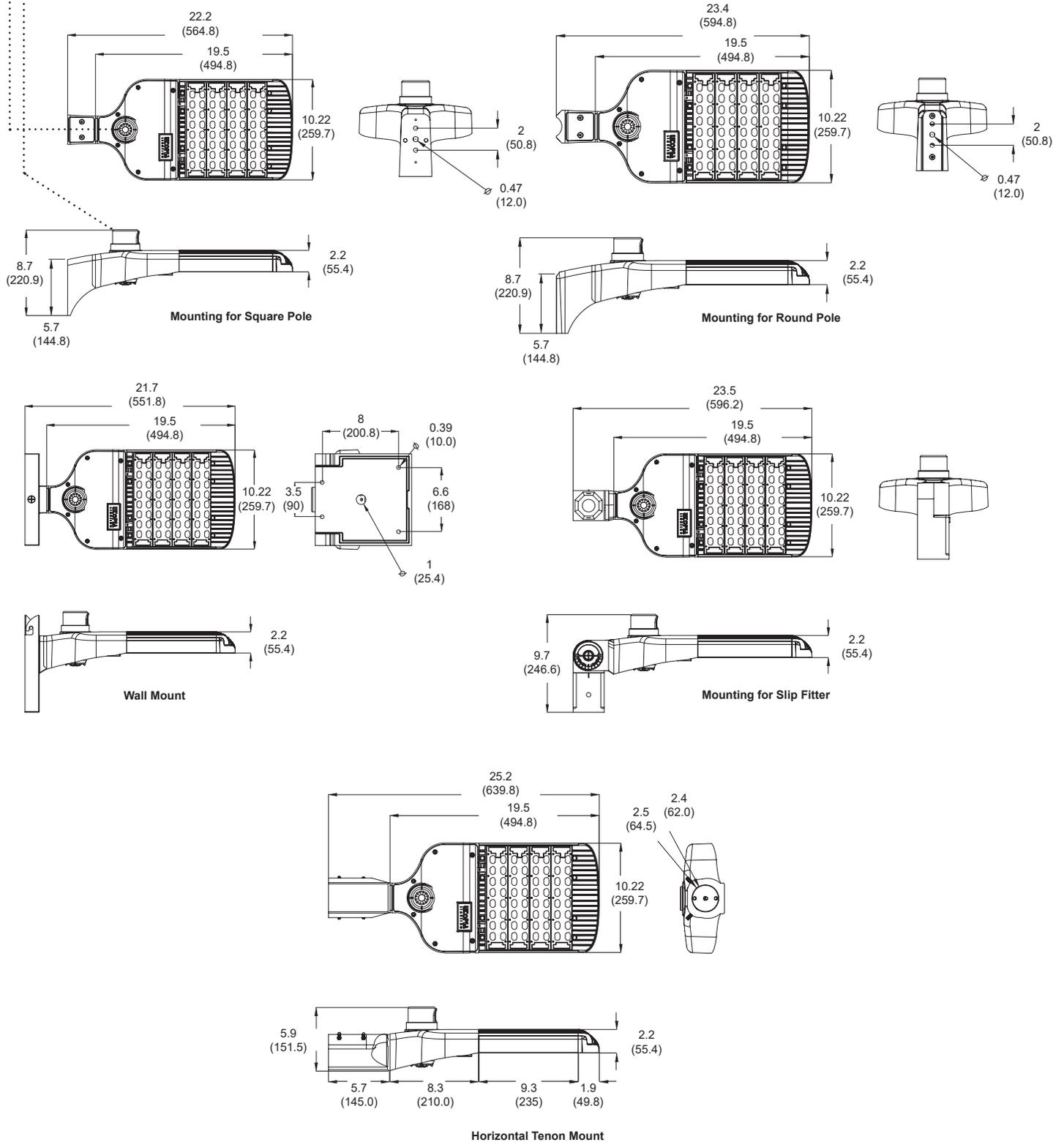
- * Optional FSP-211 shown
- * Optional TLPC shown



LAP-2G

141W

* Optional FSP-211 shown
 * Optional TLPC shown



LAP-2G

188W

- * Optional FSP-211 shown
- * Optional TLPC shown

