LAP-3G

Project Name:	
Type:	

CASAMBI

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: Available for 1.900”(O.D) sized Mast Arm Pole.

LED:

- Color Temperature: 3000 / 4000 / 5000K
- Color Rendering Index: 70+ CRI.
- Lumileds 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%
- Operating temperature: -40ºC to 50ºC (-40ºF to 122ºF)
- 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.
- 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]
- IP65 & IP66.
- ARRA compliant (optional).
- BAA compliant (optional).
- BABA compliant (optional). [13]
- Tested to IESNA LM80 standards.
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) [2]
- Certified to ANSI C136.31-2010, 3.0G Level 2 for Bridge/Overpass Applications (PMS mounting).

CONFIGURATIONS

	Type	Nominal Input (W)	Total Lumen Output	Lumen Efficiency (lm/w)	EPA Rating (w/o photocell)	EPA Rating (w/ photocell)	B.U.G. Rating	Weight (lbs/kg)
100	T3VS	93W	12649 lm	136	0.55	0.6	B2-U0-G3	14.7 lbs / 6.7 kg
	T3M		12090 lm	130			B1-U0-G2	
	T4M	95W	12786 lm	134			B2-U0-G3	
	T5		14440 lm	152			B5-U0-G3	
150	T3VS	139W	18906 lm	136	0.63	0.67	B1-U0-G1	19.8 lbs / 9 kg
	T3M		18070 lm	130			B1-U0-G2	
	T4M		17931 lm	129			B1-U0-G2	
	T5		21214 lm	152			B5-U0-G3	
200	T3VS	189W	25706 lm	136	0.71	0.75	B1-U0-G1	22 lbs / 10 kg
	T3M		24570 lm	130			B1-U0-G2	
	T4M		24381 lm	129			B1-U0-G2	
	T5		28728 lm	152			B5-U0-G3	

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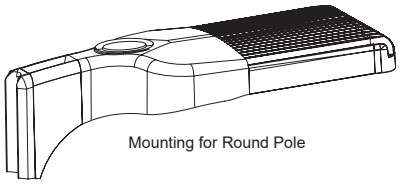
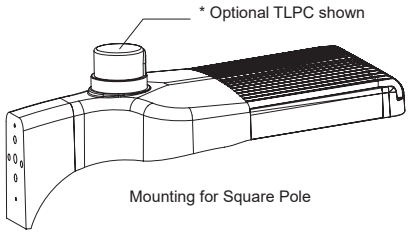
LAP-3G

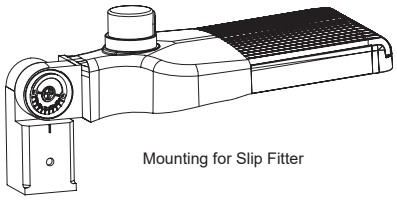


Mounting for Round Pole

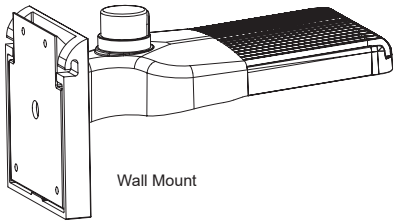


* Optional TLPC shown

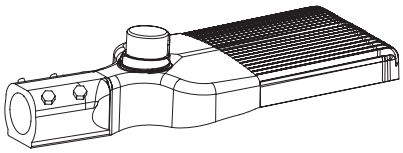
Mounting for Square Pole



Mounting for Slip Fitter



Wall Mount



Horizontal Tenon Mount

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

ORDERING INFORMATION

EXAMPLE: *LAP-3G-100ED-50K-T4M-UNV-DM-BZ-WM*

MODEL	LED		COLOR TEMP.		DISTRIBUTION		VOLTAGE		DIMMING		FINISH	
LAP-3G	**100LED**	100W	**-30K**	3000K	**T3VS**	Type III Very Short	**UNV**	120-277V (Std.)	**DM**	0-10V Dimming (Std.)	**BZ**	Dark Bronze RAL#8019 (Std.)
	150LED	150W	**-40K**	4000K	**T3M**	Type III Medium	**347**	347V			**GR**	Gray RAL#7036
	200LED	200W	**-50K**	5000K (Std.)	**T4M**	Type IV Medium	**480**	480V			**WH**	White RAL#9003
	xxxLED	Customized Wattage/ Lumen package [9]	**AMB**	Amber LED [7, 10, 11]	**T5**	Type V					**BK**	Black RAL#9011

* 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	**ZINC**	Zinc finish
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]	**316**	316 Stainless steel mounting arm bolts & exposed screws
		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 Silvair enabled		

NOTES:

1. 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.
2. This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
3. Standard dimming 0-10V, ANSI C136.41, Photocell and shorting cap by others.
4. Its default setting can be found on the IR-TEC installation instructions.
5. **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)
6. Order "RS-LRD" to adjust sensor setting.
7. DLC is not available.
8. Only available with Wall Mount.
9. Remote Box is UL1598 recognized, IP66, IP67 rated, and ambient temperature up to 55ºC.
10. The proportion of radiated power in the 400nm-500nm segment is calculated to be 1.2%.
11. The lm/w for the white LED is approximately 55%.
12. Not all configurations may comply. Please confirm compliance with the factory.

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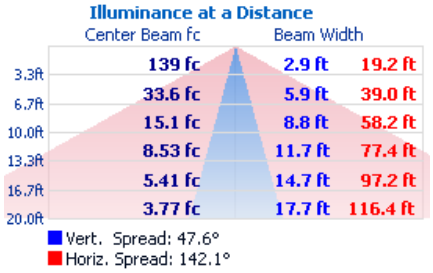
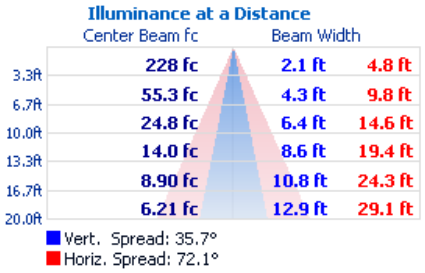
LAP-3G

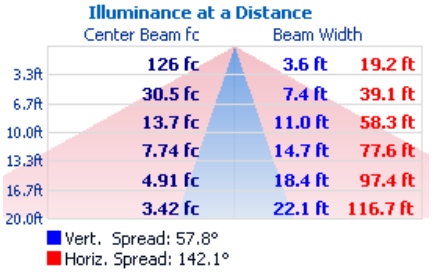
LAP-3G-100LED-T3M



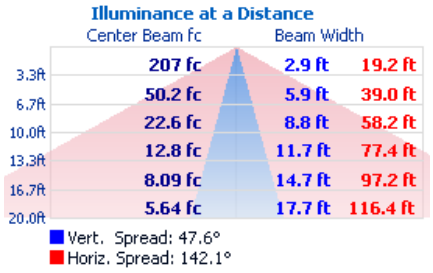
LAP-3G-100LED-T3VS



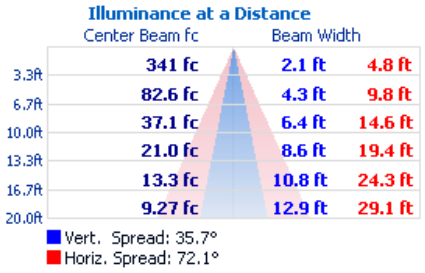
LAP-3G-100LED-T4M



LAP-3G-150LED-T3M



LAP-3G-150LED-T3VS



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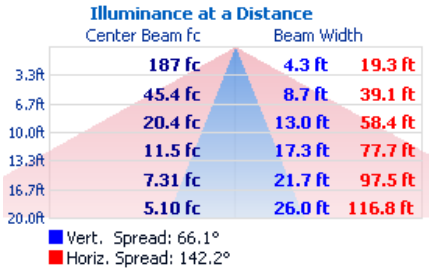

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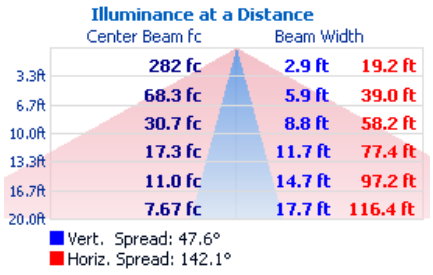
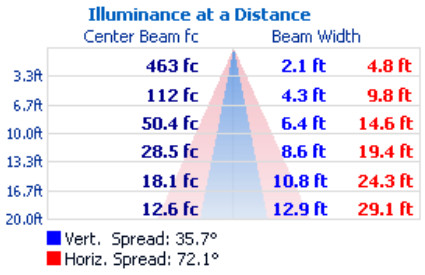
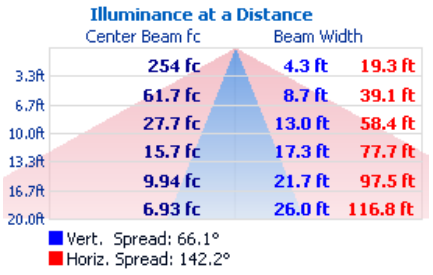


LAP-3G-200LED-T3VS



LAP-3G-200LED-T4M



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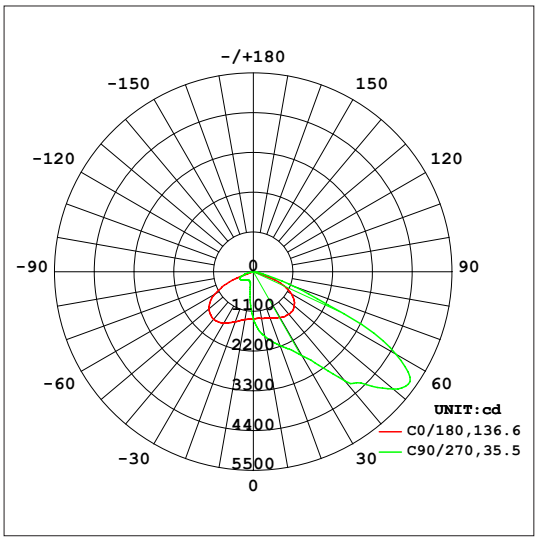
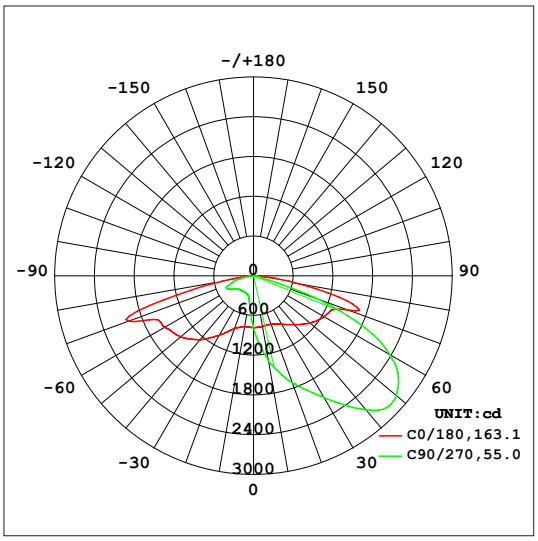
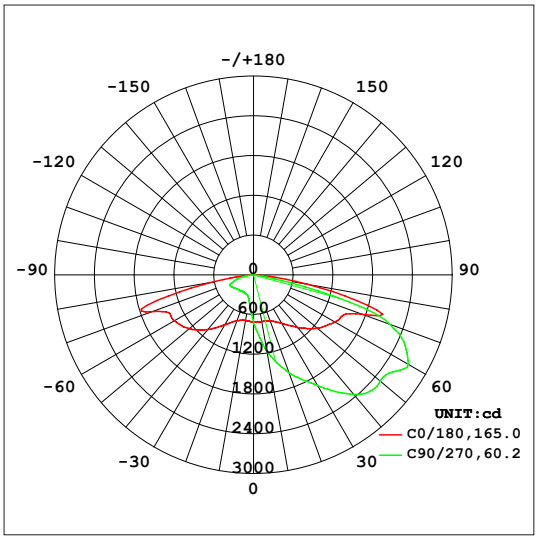
LAP-3G



T3VS



T3M



T4M

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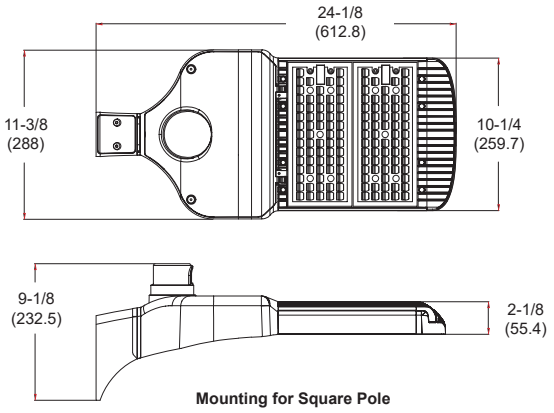
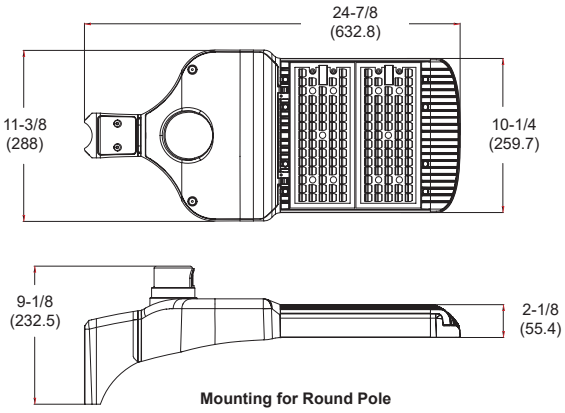
LAP-3G

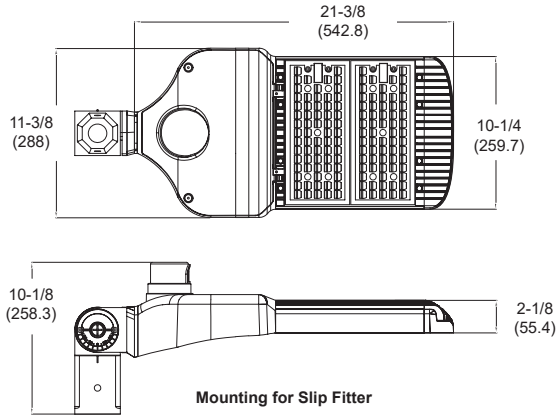
100W



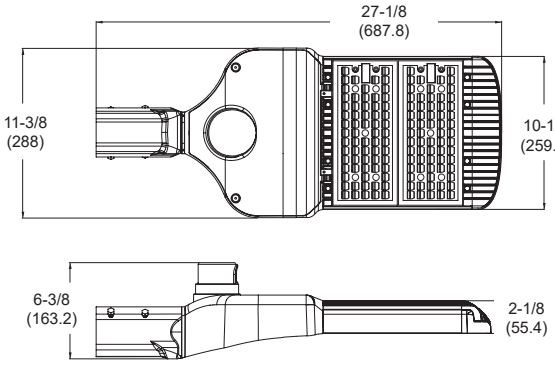
Mounting for Square Pole



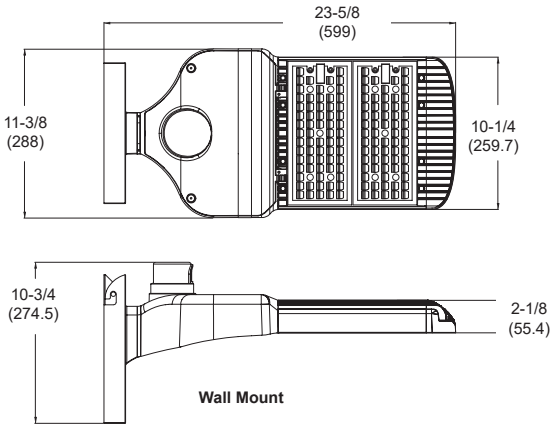
Mounting for Round Pole



Mounting for Slip Fitter



Horizontal Tenon Mount



Wall Mount

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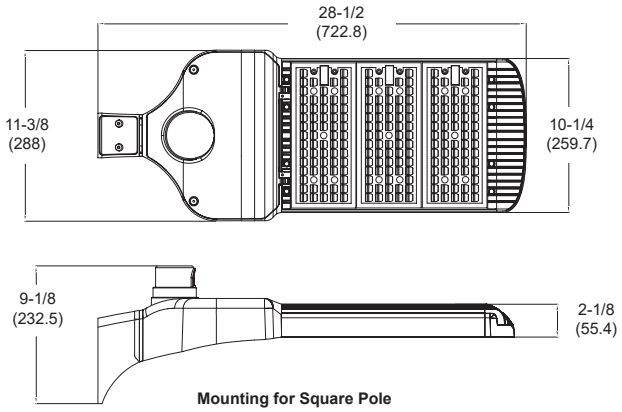
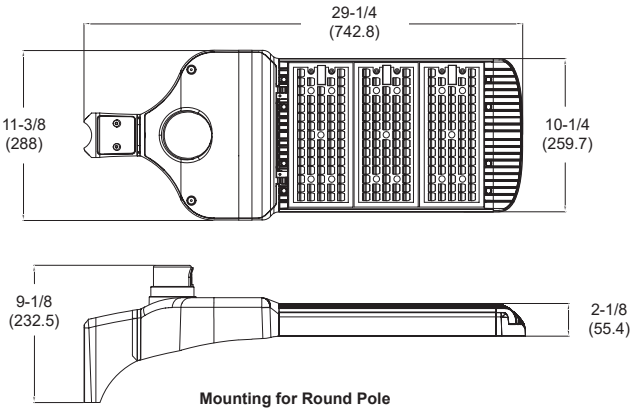
LAP-3G

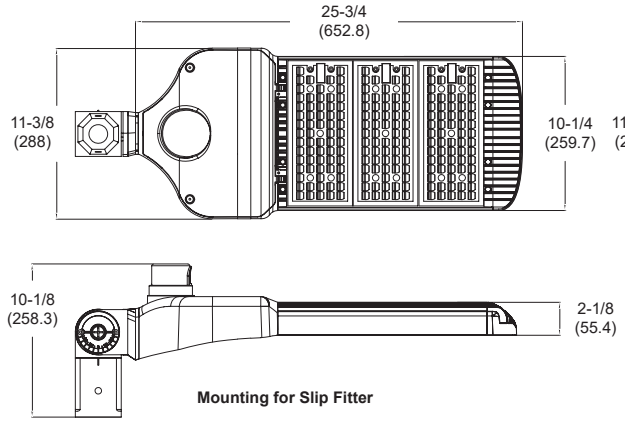
150W



Mounting for Square Pole



Mounting for Round Pole



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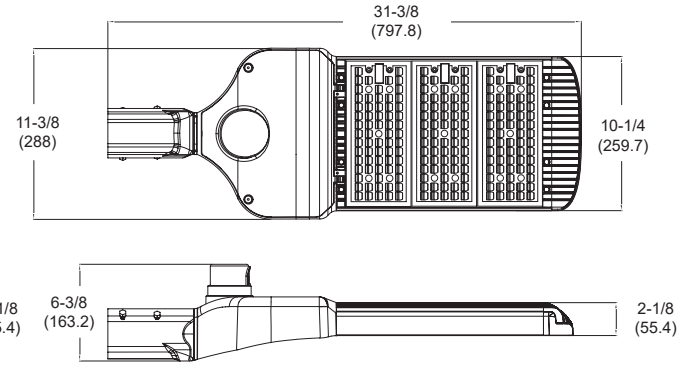
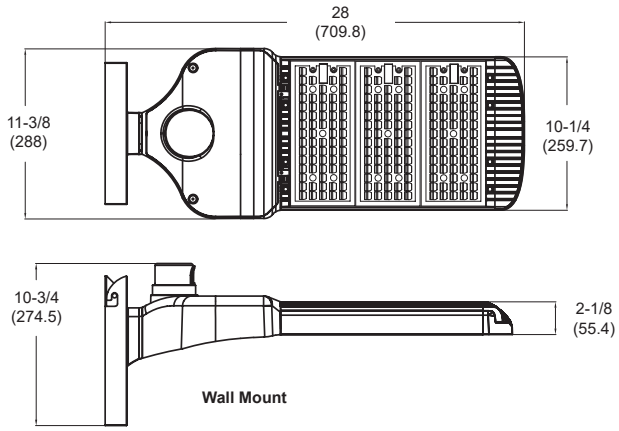


Horizontal Tenon Mount



Wall Mount

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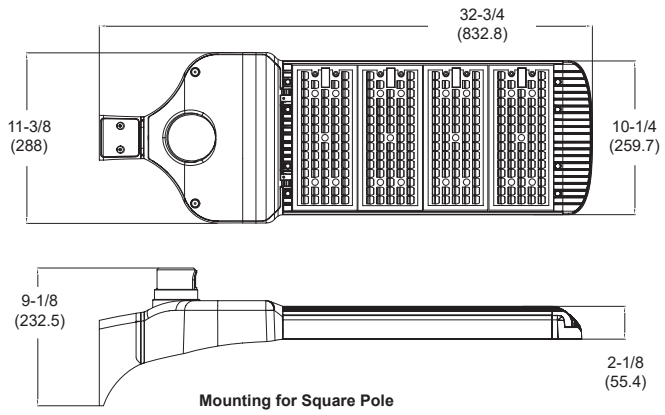
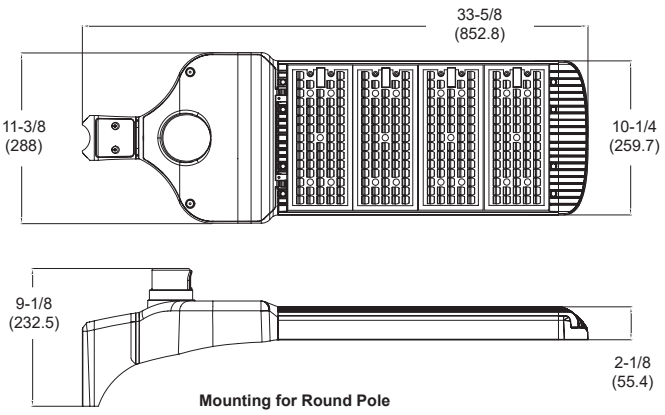
LAP-3G

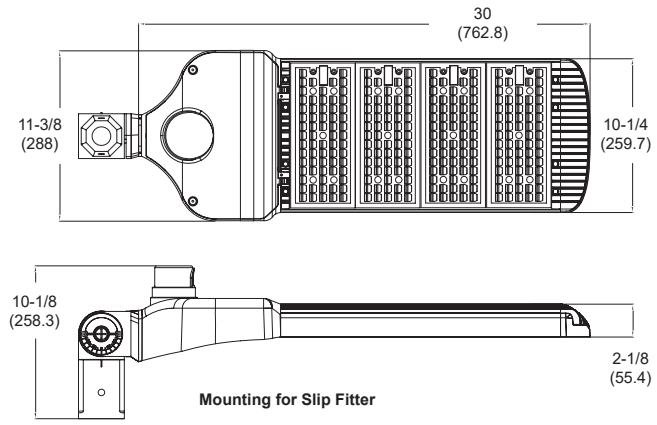
200W



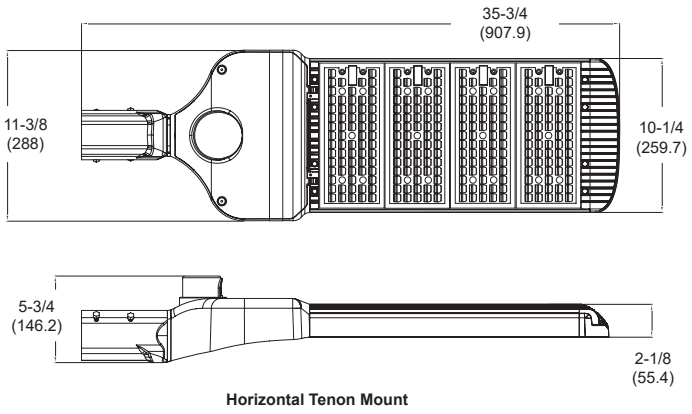
Mounting for Square Pole



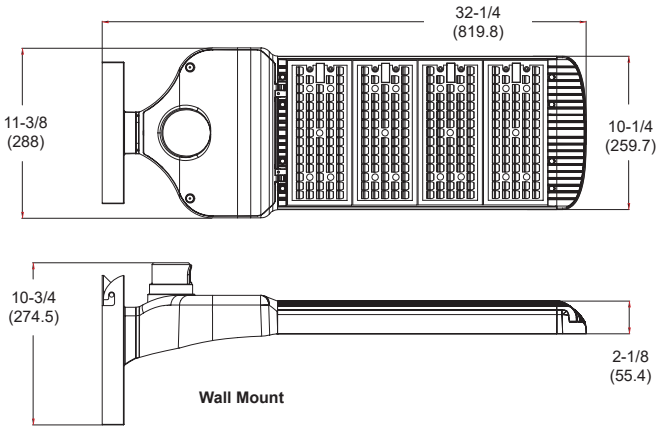
Mounting for Round Pole



Mounting for Slip Fitter



Horizontal Tenon Mount



Wall Mount

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