

200+ Patent Certificates
\$1,000,000+ Annual Energy Saving
20,000+ Projects Successfully Installed



ILG02 Series LED Street Light

Power: 20W - 100W



Innovative & Tailored
Lighting Solutions for **Success**
www.aokledlight.com

Introduction of **ILG02** Series



For others & details
please request



ILG02 is **connected-ready** and
can operate with various sensors
and control systems



Photocell



Zhaga
Supported



Nema Socket



DALI Control



WARRANTY

5 Year Limited Warranty,
10 Year Preferred Warranty.
Please consult with our sales for detailed agreement.

The ILG02 series LED street light is a budget-friendly lighting solution with a refined, compact design that delivers great cost-effectiveness, giving you a competitive advantage in project tenders.

- **Efficient Cooling:** An aluminum alloy casing paired with an integrated die-cast heat sink ensures effective cooling of the light source, promoting stability and a longer lifespan.
- **Advanced Power Supply:** Equipped with a high-stability isolated constant current power supply, it provides over-temperature protection, operates across a wide voltage range, maintains a high power factor, and excels in heat dissipation.
- **Control Options:** Includes a Surge Protective Device, Daylight Sensor Control, and 1-10V Dimming for enhanced functionality and adaptability.

Features for ILG02 Series

• High Lumen Output

High-performance LEDs efficacy >190lm/W

• Bracket Adjustable

The bracket is adjustable within a range of $\pm 15^\circ$.

• Compact Design

The compact design of the luminaire makes it more robust and more resistant to impact.

• Convenient Upgrade

Reserved controller base installation port for convenient upgrades.

• Self-Clean Cover

Self-cleaning smooth back cover design.

• Light Weight

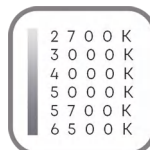
Lightweight & economically practical.

Animals & Insects Friendly

2200K-2700K
CCT available



No photo-biological risk (no risk associated with infrared, blue light, or UV radiation), in compliance with **EN 62471:2008**.



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Superior LED Module

Animals & Insects Friendly
2200K-2700K
CCT available

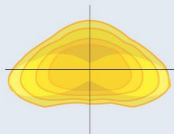
Choose between LEDs in 3030 or 5050 solutions for uniform street light distribution.

Customize for common or private mode light distribution as needed.

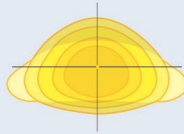


No photo-biological risk (no risk associated with infrared, blue light, or UV radiation), in compliance with **EN 62471:2008**.

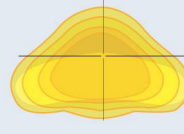
TYPE II (T201)
(85°*150°)



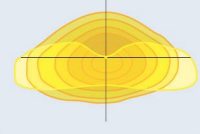
TYPE II (T211)
(110°*155°)



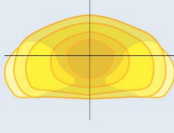
TYPE II (T221)
(75°*150°)



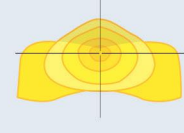
TYPE II (T231)
(100°*160°)



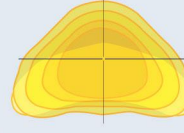
TYPE III (T301)
(100°*160°)



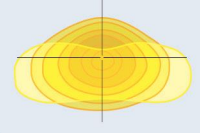
TYPE III (T311)
(90°*150°)



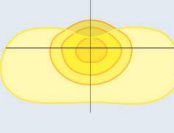
TYPE III (T321)
(100°*145°)



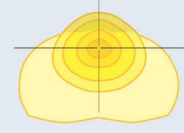
TYPE III (T331)
(120°*160°)



TYPE IV (T401)
(125°*160°)



TYPE IV (T411)
(115°*145°)



* Due to working temperature and CCT/CRI adjustments, actual photometric values may vary slightly. Please consult the measured IES file for accurate data. The above information is for reference purposes only.

Application Reference

- Road & highway lighting
- Urban road & street lighting
- Residential area lighting
- Parks & perimeter lighting
- Parking lot lighting
- Riverside & jogging track



Secondary Roads



Riverside & Jogging track



Residential & Area

Parameter Table

Electrical Data						
Model		AOK-iLG02-(20-60W)				
Power		20W	30W	40W	50W	60W
Input Voltage		100-277VAC / 220-240VAC				
THD (220Vac)		≤15%				
PF (220Vac)		≥0.95				
Driver		Class I (MOSO/SOSEN/Inventronics/DONE), Class II (MOSO/SOSEN/Inventronics)				
Operating Temperature		-40°C to 50°C (-40 °F to 122 °F)				
Control Option		DALI, 0/1-10V, PWM, timer dimming				
Surge Protection		10kV / 20kV optional				
Photometric Data						
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W
	T211-12in1 (110°155°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W
	T301-12in1 (100°160°)	145lm/W	136lm/W	145lm/W	140lm/W	136lm/W
	T311-12in1 (90°150°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W
	T411-12in1 (115°145°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W
	T221-16in1 (75°150°)	154lm/W	148lm/W	154lm/W	151lm/W	148lm/W
	T321-16in1 (100°145°)	154lm/W	148lm/W	154lm/W	151lm/W	148lm/W
	T231-24in1 (100°160°)	156lm/W	152lm/W	156lm/W	154lm/W	152lm/W
	T331-24in1 (120°160°)	156lm/W	152lm/W	156lm/W	154lm/W	152lm/W
	T401-24in1 (125°160°)	156lm/W	152lm/W	156lm/W	154lm/W	152lm/W
	T231-24in1-Pro (100°160°)	162lm/W	158lm/W	162lm/W	160lm/W	158lm/W
	T331-24in1-Pro (120°160°)	162lm/W	158lm/W	162lm/W	160lm/W	158lm/W
	T401-24in1-Pro (125°160°)	162lm/W	158lm/W	162lm/W	160lm/W	158lm/W
	T2/T3@Seoul 5050	162lm/W	160lm/W	164lm/W	162lm/W	160lm/W
T2/T3/T5@A5050	190lm/W	185lm/W	190lm/W	188lm/W	186lm/W	
Luminous flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	3000lm	4230lm	6000lm	7250lm	8460lm
	T211-12in1 (110°155°)	3000lm	4230lm	6000lm	7250lm	8460lm
	T301-12in1 (100°160°)	2900lm	4080lm	5800lm	7000lm	8160lm
	T311-12in1 (90°150°)	3000lm	4230lm	6000lm	7250lm	8460lm
	T411-12in1 (115°145°)	3000lm	4230lm	6000lm	7250lm	8460lm
	T221-16in1 (75°150°)	3080lm	4440lm	6160lm	7550lm	8880lm
	T321-16in1 (100°145°)	3080lm	4440lm	6160lm	7550lm	8880lm
	T231-24in1 (100°160°)	3120lm	4560lm	6240lm	7700lm	9120lm
	T331-24in1 (120°160°)	3120lm	4560lm	6240lm	7700lm	9120lm
	T401-24in1 (125°160°)	3120lm	4560lm	6240lm	7700lm	9120lm
	T231-24in1-Pro (100°160°)	3240lm	4740lm	6480lm	8000lm	9480lm
	T331-24in1-Pro (120°160°)	3240lm	4740lm	6480lm	8000lm	9480lm
	T401-24in1-Pro (125°160°)	3240lm	4740lm	6480lm	8000lm	9480lm
	T2/T3@Seoul 5050	3240lm	4800lm	6560lm	8100lm	9600lm
T2/T3/T5@A5050	3800lm	5550lm	7600lm	9400lm	11160lm	
ULR		= 0%, @ Luminaire inclination 0°				
CCT		2700K, 3000K, 4000K, 5000K, 5700K, 6500K				
CRI		70Ra, 80Ra, 90Ra optional				
Beam Angle		Type-II (85°150°, 110°155°, 75°150°, 100°160°) / Type III (100°160°, 90°150°, 100°145°, 120°160°) / Type IV (125°160°, 90°150°)				
LED Manufacturer		LUMILEDS/Seoul/Others				
LED Model		Lumileds 3030, 5050 / Seoul 3030, 5050 / A5050				
Lens		Polycarbonate+tempered glass (4 mm thick)				
Mechanical Data						
IP/IK		Optical systems maintain at IP66, IK08, according to standard EN 60529 and EN 62262				
Vibration Resistance		3G rated, conform to standard IEC 68-2-6.				
SCx		0.068m² (top view), 0.02m² (side view)				
Materials		Heavy-duty die-cast aluminum (ADC12)				
Painting		White, Custom request				
Surface Treatment		Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).				
Cable		Pre-wired with a 30 cm cable (Other lengths on request)				
Mounting		Side Entry/Post Top, (Φ42~60mm pole), custom request				
Others						
Lifespan		L70 > 100000hrs, @Ta 25°C				
Warranty		5 years (Warranty extension up to 10 years on request)				
Certification		ENEC,CE,RoHS, For other certificates please request				
Product Size		491.9*166*60.5mm/19.36*6.53*2.38"				
Net Weight		2.9kg/6.39lbs				
Carton Size & Gross Weight		535*206*130mm/21.06*8.11*5.12", 3.3KG/7.28lbs				
Recommend Installation Height		General 4-6m, based on actual project requirements				
Standard Accessories		None				
Optional Accessories		10kV/20kV SPD, breather vent, NEMA socket, Photocell, Zhaga, PIR or Microwave sensor, M20 waterproof joint				
Important Note!		The provided parameters are solely for design reference; the official measurement report holds higher and final authority.				

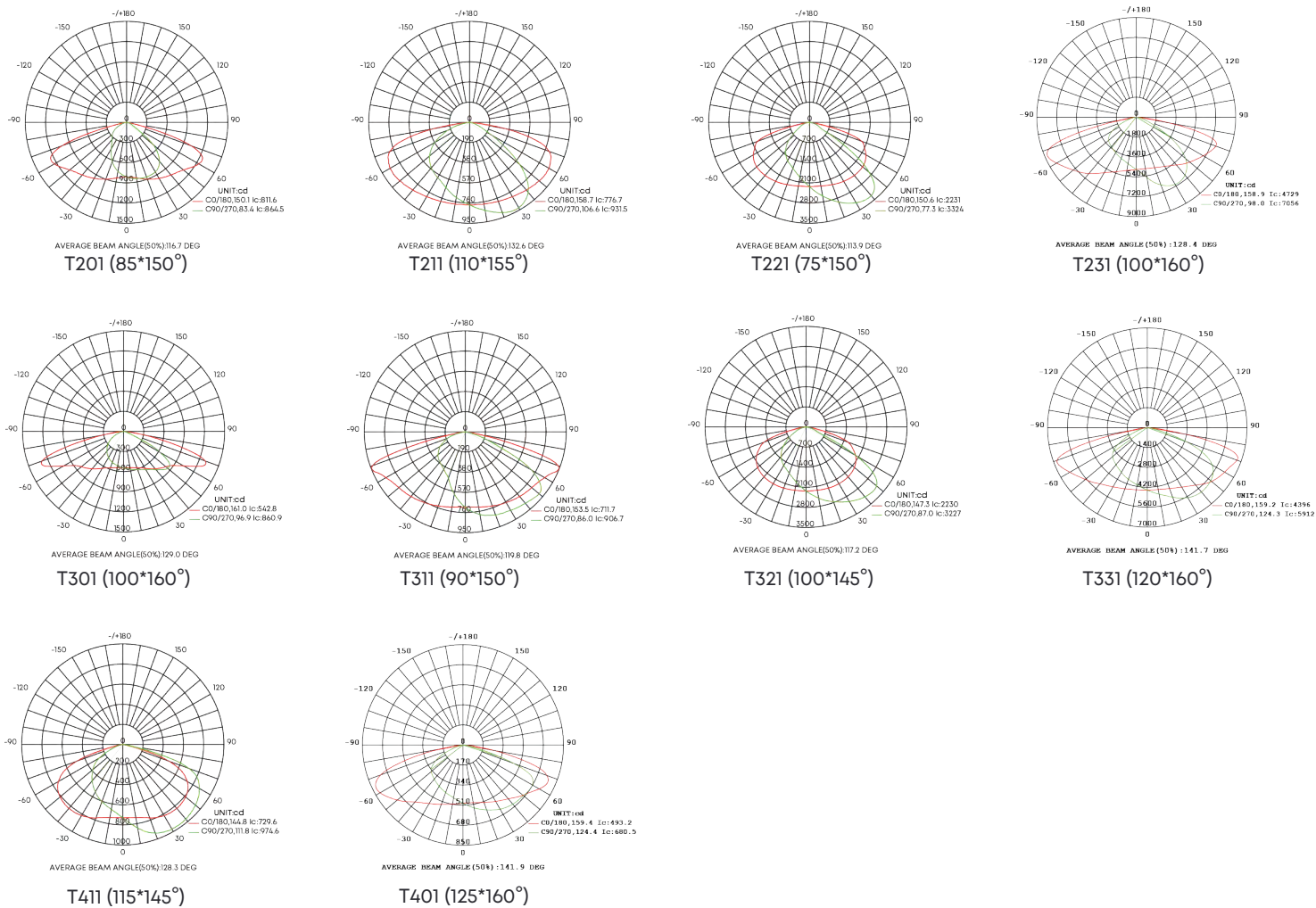
Parameter Table

Electrical Data					
Model		AOK-iLG02-(70-100W)			
Power		70W	80W	90W	100W
Input Voltage		100-277VAC / 220-240VAC			
THD (220Vac)		≤15%			
PF (220Vac)		≥0.95			
Driver		Class I (MOSO/SOSEN/Inventronics/DONE), Class II (MOSO/SOSEN/Inventronics)			
Operating Temperature		-40°C to 50°C (-40 °F to 122 °F)			
Control Option		DALI, 0/1-10V, PWM, timer dimming			
Surge Protection		10kV / 20kV optional			
Photometric Data					
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	147lm/W	144lm/W	141lm/W	135lm/W
	T211-12in1 (110°155°)	147lm/W	144lm/W	141lm/W	135lm/W
	T301-12in1 (100°160°)	142lm/W	139lm/W	136lm/W	130lm/W
	T311-12in1 (90°150°)	147lm/W	144lm/W	141lm/W	135lm/W
	T411-12in1 (115°145°)	147lm/W	144lm/W	141lm/W	135lm/W
	T221-16in1 (75°150°)	154lm/W	151lm/W	148lm/W	145lm/W
	T321-16in1 (100°145°)	154lm/W	151lm/W	148lm/W	145lm/W
	T231-24in1 (100°160°)	158lm/W	156lm/W	154lm/W	152lm/W
	T331-24in1 (120°160°)	158lm/W	156lm/W	154lm/W	152lm/W
	T401-24in1 (125°160°)	158lm/W	156lm/W	154lm/W	152lm/W
	T231-24in1-Pro (100°160°)	164lm/W	162lm/W	160lm/W	158lm/W
	T331-24in1-Pro (120°160°)	164lm/W	162lm/W	160lm/W	158lm/W
	T401-24in1-Pro (125°160°)	164lm/W	162lm/W	160lm/W	158lm/W
	T2/T3@Seoul 5050	163lm/W	162lm/W	161lm/W	160lm/W
	T2/T3/T5@A5050	190lm/W	188lm/W	187lm/W	186lm/W
Luminous flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)	T201-12in1 (85°150°)	10290lm	11520lm	12690lm	13500lm
	T211-12in1 (110°155°)	10290lm	11520lm	12690lm	13500lm
	T301-12in1 (100°160°)	9940lm	11120lm	12240lm	13000lm
	T311-12in1 (90°150°)	10290lm	11520lm	12690lm	13500lm
	T411-12in1 (115°145°)	10290lm	11520lm	12690lm	13500lm
	T221-16in1 (75°150°)	10780lm	12080lm	13320lm	14500lm
	T321-16in1 (100°145°)	10780lm	12080lm	13320lm	14500lm
	T231-24in1 (100°160°)	11060lm	12480lm	13860lm	15200lm
	T331-24in1 (120°160°)	11060lm	12480lm	13860lm	15200lm
	T401-24in1 (125°160°)	11060lm	12480lm	13860lm	15200lm
	T231-24in1-Pro (100°160°)	11480lm	12960lm	14400lm	15800lm
	T331-24in1-Pro (120°160°)	11480lm	12960lm	14400lm	15800lm
	T401-24in1-Pro (125°160°)	11480lm	12960lm	14400lm	15800lm
	T2/T3@Seoul 5050	11410lm	12960lm	14490lm	16000lm
	T2/T3/T5@A5050	13300lm	15040lm	16830lm	18600lm
ULR		= 0%, @ Luminaire inclination 0°			
CCT		2700K, 3000K, 4000K, 5000K, 5700K, 6500K			
CRI		70Ra, 80Ra, 90Ra optional			
Beam Angle		Type-II (85°150°, 110°155°, 75°150°, 100°160°) / Type III (100°160°, 90°150°, 100°145°, 120°160°) / Type IV (125°160°, 90°150°)			
LED Manufacturer		LUMILEDS/Seoul/Others			
LED Model		Lumileds 3030, 5050 / Seoul 3030, 5050 / A5050			
Lens		Polycarbonate+tempered glass (4 mm thick)			
Mechanical Data					
IP/IK		Optical systems maintain at IP66, IK08, according to standard EN 60529 and EN 62262			
Vibration Resistance		3G rated, conform to standard IEC 68-2-6.			
SCx		0.093m² (top view), 0.024m² (side view)			
Materials		Heavy-duty die-cast aluminum (ADC12)			
Painting		White, Custom request			
Surface Treatment		Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).			
Cable		Pre-wired with a 30 cm cable (Other lengths on request)			
Mounting		Side Entry/Post Top, (Φ42~60mm pole), custom request			
Others					
Lifespan		L70 > 100000hrs, @Ta 25°C			
Warranty		5 years (Warranty extension up to 10 years on request)			
Certification		ENEC,CE,RoHS, For other certificates please request			
Product Size		534.9*210*93.7mm/21.05*8.27*3.68"			
Net Weight		3.6KG/7.94lbs			
Carton Size & Gross Weight		580*250*130mm/22.83*9.84*5.12", 4.0KG/8.82lbs			
Recommend Installation Height		General 4-10m, based on actual project requirements			
Standard Accessories		None			
Optional Accessories		10kV/20kV SPD, breather vent, NEMA socket, Photocell, Zhaga, PIR or Microwave sensor, M20 waterproof joint			
Important Note!		The provided parameters are solely for design reference; the official measurement report holds higher and final authority.			

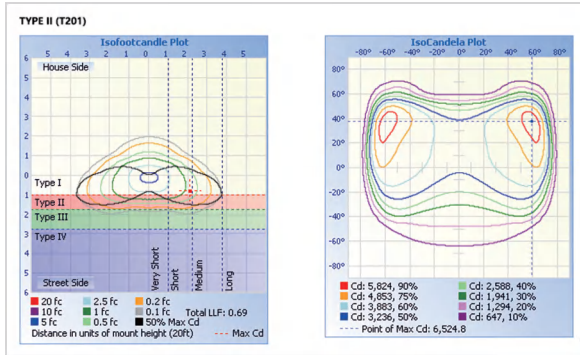
Ordering Information

AOK								
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING	OPTION
20WiLG02(S)	NV=100-277V	L3=Lumileds 3030	00=Without Sensor	2770=2700K 70CRI	T201 (85°150°)	A=Side Entry	WH=White	10KV SPD
30WiLG02(S)	HV=200-480V	S3=Seoul 3030	PH=Photocell	3070=3000K 70CRI	T211 (110°155°)	B=Post Top	Custom request	20KV SPD
40WiLG02(S)		L5=Lumileds 5050	DV=Dimmable	4070=4000K 70CRI	T221 (75°150°)			Zhaga receptacle
50WiLG02(S)		S5=Seoul 5050		5070=5000K 70CRI	T231 (100°160°)			Custom request
60WiLG02(S)		A5=A5050		5770=5700K 70CRI	T2 (100°155°)			
70WiLG02(M)				6570=6500K 70CRI	T2 (105°160°)			
80WiLG02(M)				2780=2700K 80CRI	T301 (100°160°)			
90WiLG02(M)				3080=3000K 80CRI	T311 (90°150°)			
100WiLG02(M)				4080=4000K 80CRI	T321 (100°145°)			
				5080=5000K 80CRI	T331 (120°160°)			
				5780=5700K 80CRI	T3 (80°155°)			
				6580=6500K 80CRI	T3 (115°160°)			
					T401 (125°160°)			
					T411 (115°145°)			
					T5 (150°150°)			

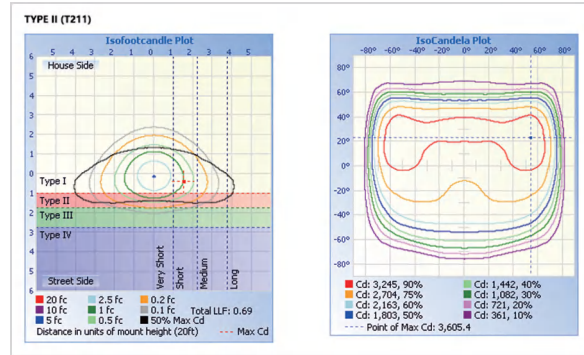
Photometry



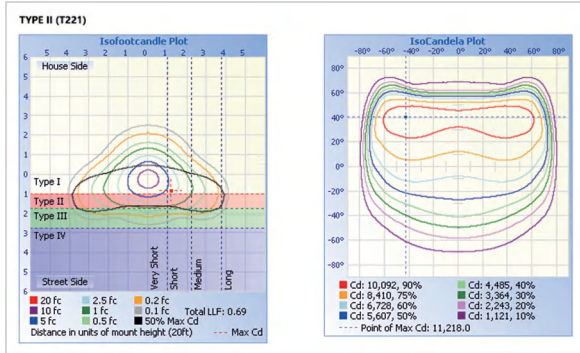
Illuminance Diagram



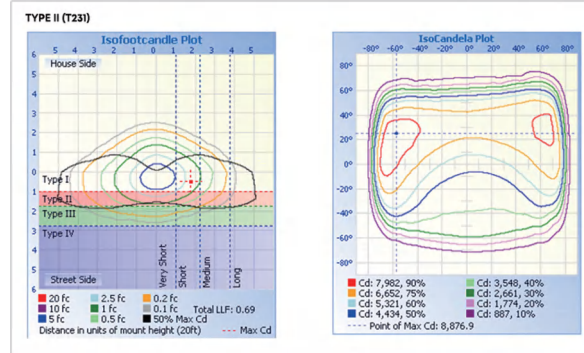
T201 (85°150°)



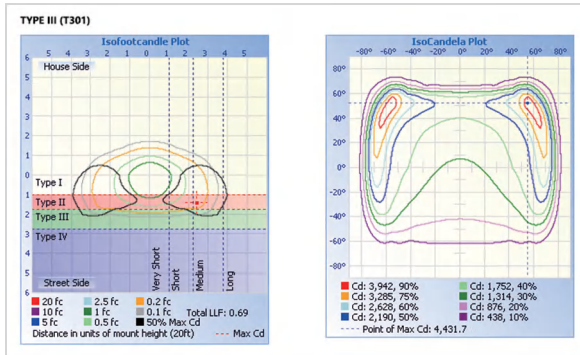
T211 (110°155°)



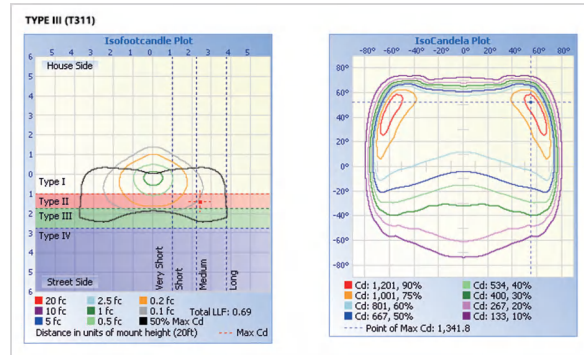
T221 (75°150°)



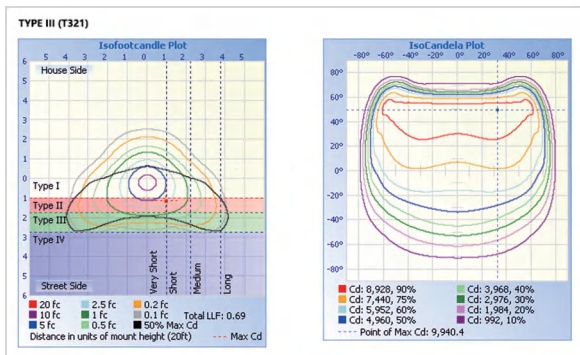
T231 (100°160°)



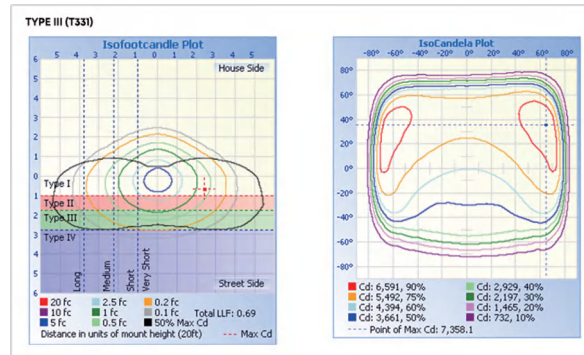
T301 (100°160°)



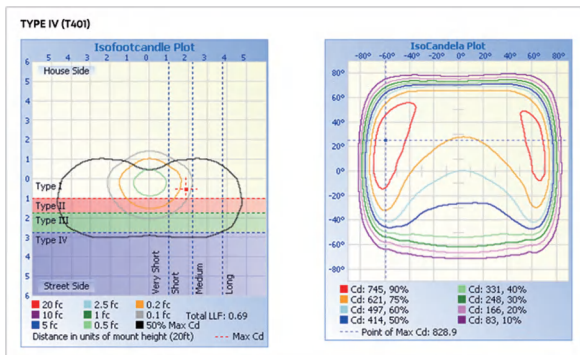
T311 (90°150°)



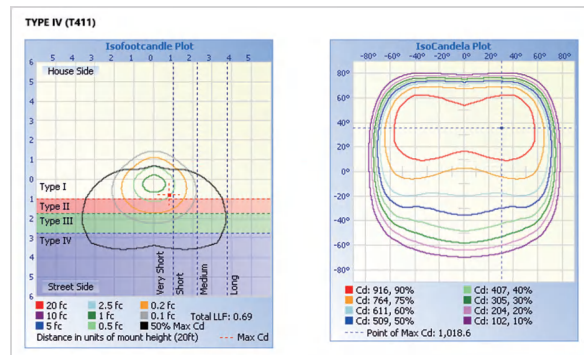
T321 (100°145°)



T331 (120°160°)

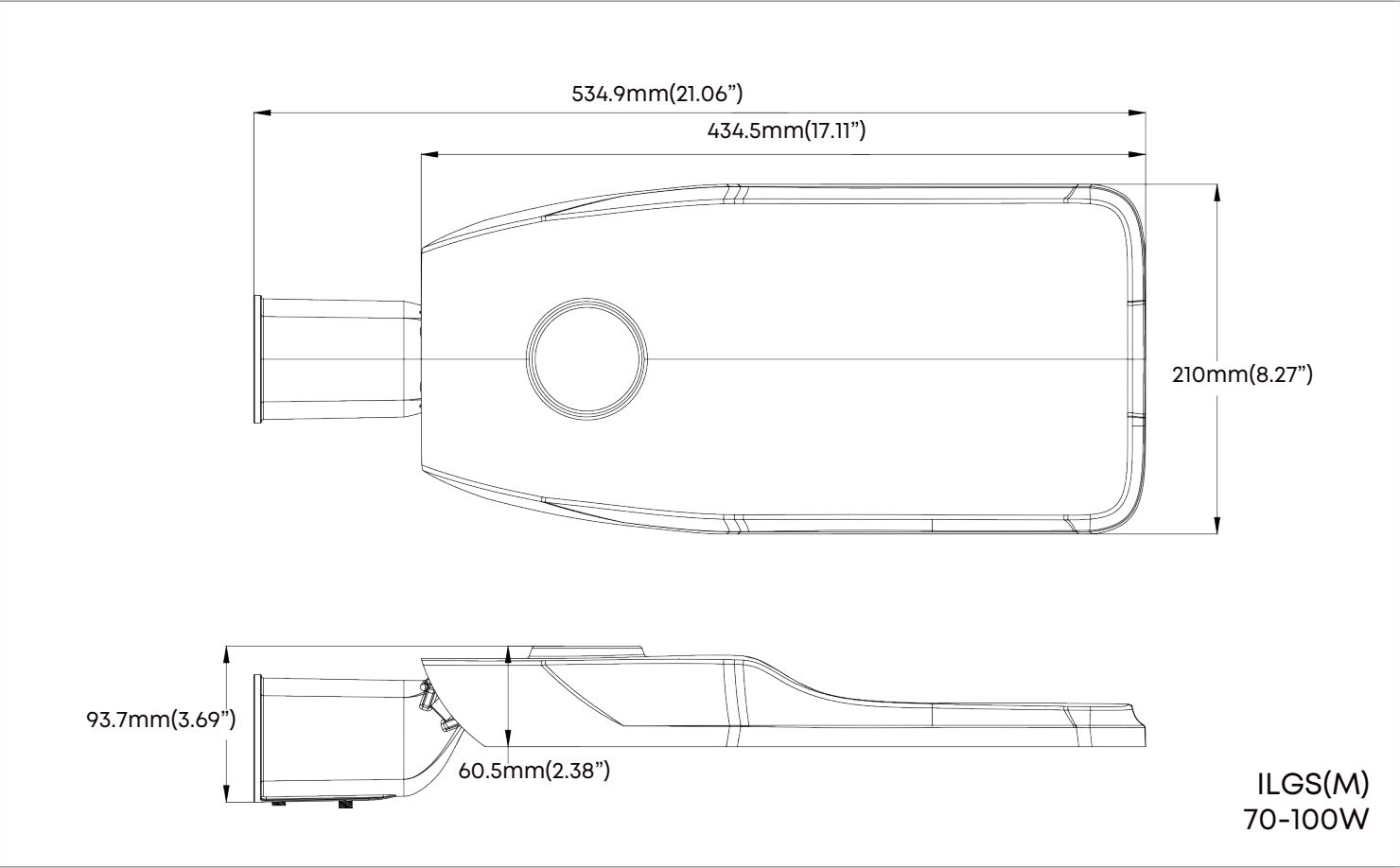
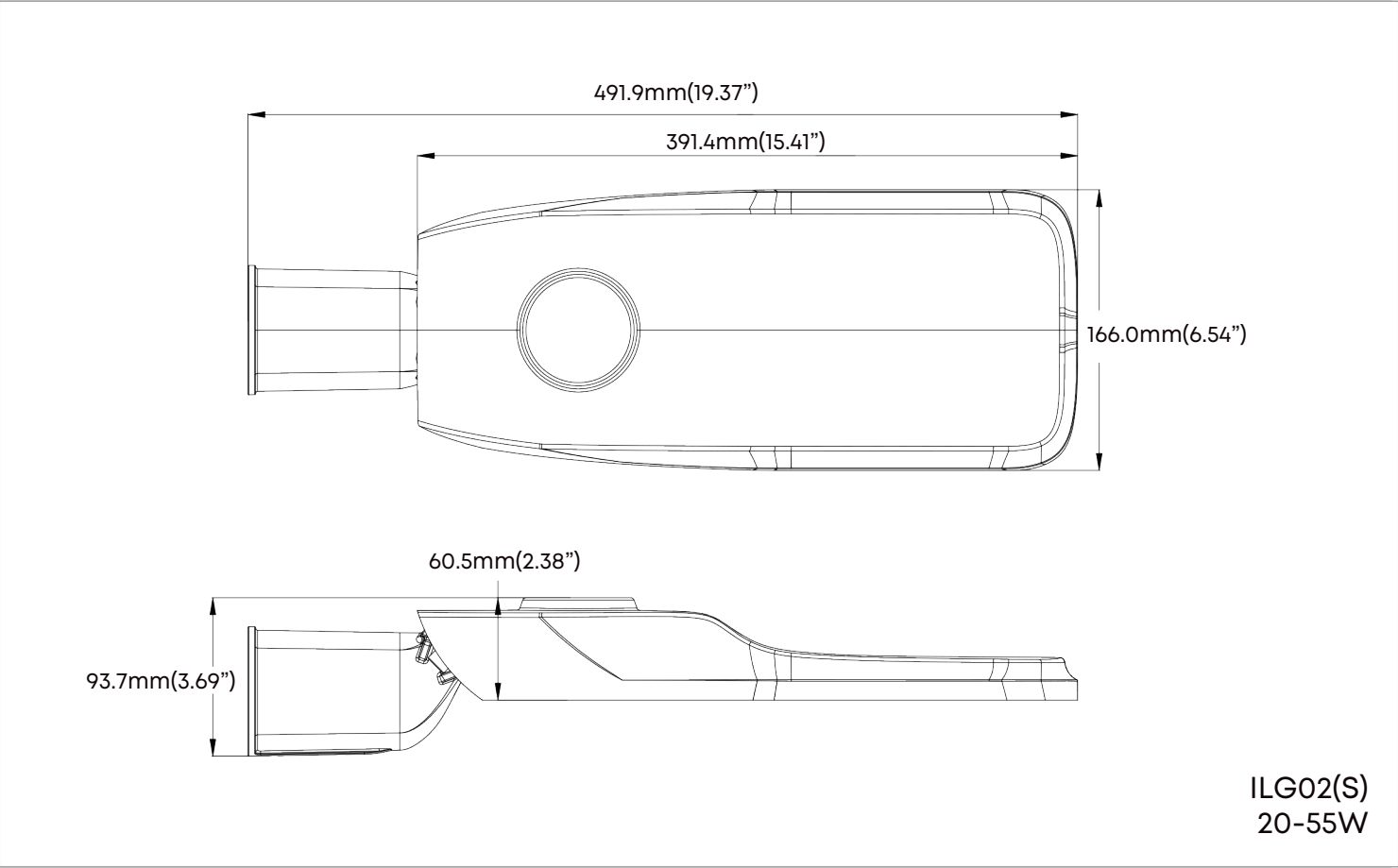


T401 (125°160°)



T411 (115°145°)

Dimensions





Innovative & Tailored Lighting Solutions for **Success**



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