

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



ILG Series LED Street Light

Power: 20W - 135W



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

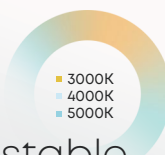
Introduction of **ILG** Series



For others & details
please request



CCT
adjustable
optional



Power
adjustable
optional



The ILG 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.

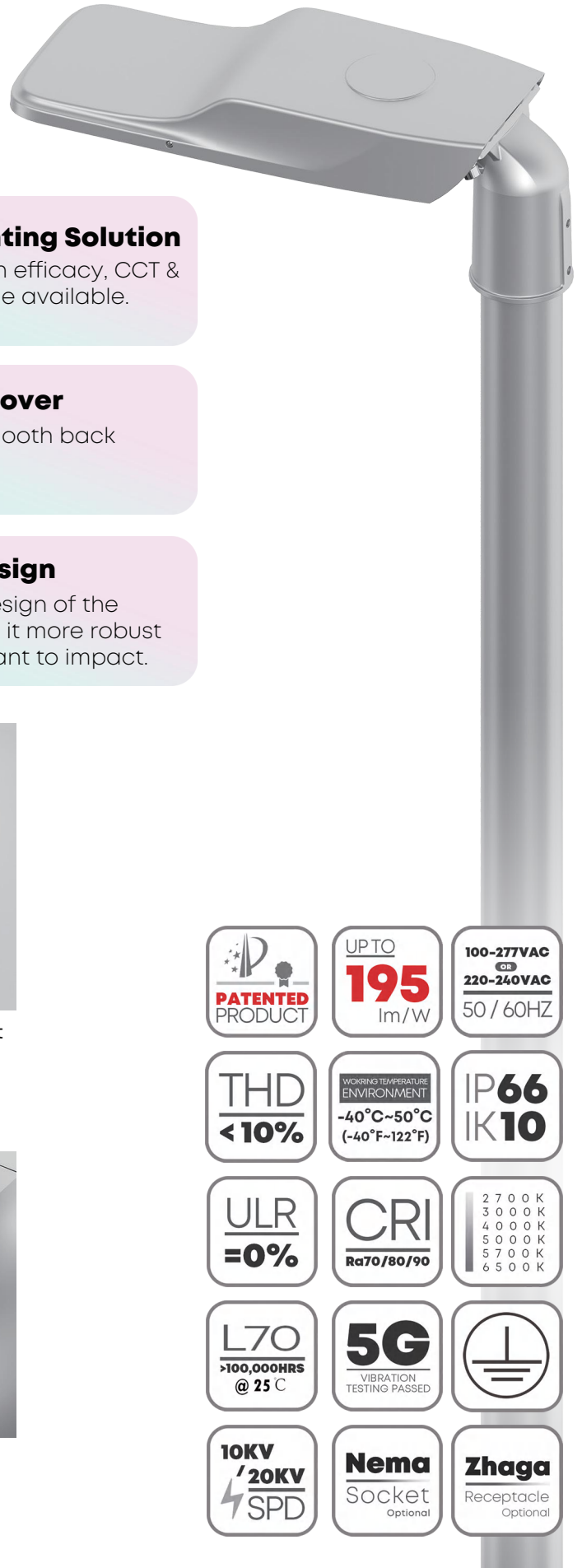


WARRANTY

5 Year Limited Warranty,
10 Year Preferred Warranty.

Please consult with our sales for detailed agreement.

Features for ILG Series



• High Lumen Output

High-performance LEDs
efficacy >195lm/W

• Multiple Lighting Solution

Standard or high efficacy, CCT &
power adjustable available.

• Convenient Upgrade

Reserved controller base
installation port for convenient
upgrades.

• Self-Clean Cover

Self-cleaning smooth back
cover design.

• Light Weight

Lightweight & economically
practical.

• Compact Design

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



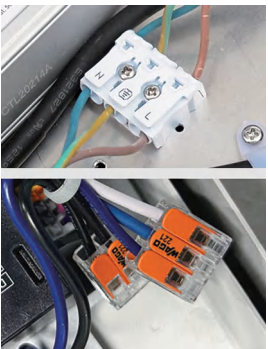
• High-efficient LED
sources and optics
design, economized.



• High quality silicone
gasket, improved
sealing performance.



• Adjustable bracket
±15 degrees.



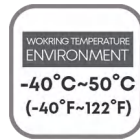
• High-quality
terminal wiring
ensures reliability
and safety.
(Optional)



• High-quality AC
power interface,
safe and reliable.
(Optional)



• Reinforced
bracket design,
increased safety.



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Application Reference

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





Parameter Table

Electrical Data						
Model	AOK-20WiLG		AOK-30WiLG	AOK-40WiLG	AOK-50WiLG	AOK-60WiLG
Input Voltage	100-277VAC / 220-240VAC					
THD (220Vac)	≤10%					
PF (220Vac)	≥0.95					
Driver	Class I (MOSO/SOSEN/Inventronics/DONE), Class II (DONE)					
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%)-Normal	T201(85°150°) T211(80°150°)	157lm/W	153lm/W	147lm/W	143lm/W	140lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-Normal	T201(85°150°) T211(80°150°)	3280lm	4830lm	6080lm	7250lm	8400lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)-Performance	T201(85°150°) T211(80°150°)	167lm/W	163lm/W	157lm/W	153lm/W	150lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-Performance	T201(85°150°) T211(80°150°)	3340lm	4890lm	6280lm	7650lm	9000lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050-Pro	T202(75°150°)	195lm/W	193lm/W	192lm/W	191lm/W	188lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050-Pro	T202(75°150°)	3900lm	5790lm	7680lm	9550lm	11280lm
ULR	= 0%, @ Luminaire inclination 0°					
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K					
CRI	70Ra, 80Ra, 90Ra optional					
Beam Angle	T201(85°150°), T211(80°150°),T202(75°150°),Customization acceptable					
LED Manufacturer	Other brands, customization acceptable, please request					
LED Model	2835 / 3030 / 5050					
Lens	Polycarbonate					
Mechanical Data						
IP/IK	Optical systems maintain at IP66, IK10, according to standard EN 60529 and EN 62262					
Vibration Resistance	5G rated, conform to standard IEC 68-2-6.					
SCx	0.064m² (top view), 0.02m² (side view)					
Materials	Heavy-duty die-cast aluminum (ADC12)					
Painting	RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, 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	479*159*89mm/18.86*6.23*3.5"					
Net Weight	2.5kg/5.5lbs					
Carton Size & Gross Weight (standard)	500*170*120mm/19.69*6.69*4.72", 2.8KG/6.17lbs					
Carton Size & Gross Weight (optional)	530*205*135mm/20.87*8.07*5.31", 3KG/6.61lbs					
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, CCT & Power adjustable optional					
Important Note!	The provided parameters are solely for design reference; the official measurement report holds higher and final authority.					

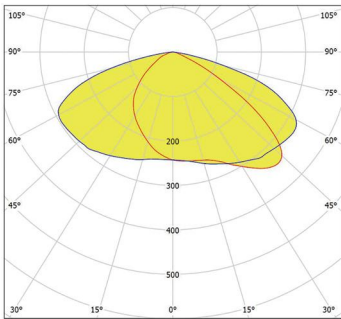
Parameter Table

Electrical Data								
Model	AOK-70WiLG	AOK-80WiLG	AOK-90WiLG	AOK-100WiLG	AOK-110WiLG	AOK-120WiLG	AOK-135WiLG	
Input Voltage	100-277VAC / 220-240VAC							
THD (220Vac)	≤10%							
PF (220Vac)	≥0.95							
Driver	Class I (MOSO/SOSEN/Inventronics)							
Operating Temperature	-40°C to 50°C (-40 °F to 122 °F)							-40°C to 45°C (-40 °F to 113 °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%)-Normal	T20i(85°150°)	153lm/W	150lm/W	148lm/W	146lm/W	144lm/W	142lm/W	140lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-Normal	T20i(85°150°)	10710lm	12000lm	13320lm	14600lm	15840lm	17040lm	18900lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)-Performance	T20i(85°150°)	163lm/W	160lm/W	158lm/W	156lm/W	154lm/W	152lm/W	150lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-Performance	T20i(85°150°)	11410lm	12800lm	14220lm	15600lm	16940lm	18240lm	20250lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050-Pro	T20i(85°150°)	194lm/W	193lm/W	192lm/W	191lm/W	190lm/W	189lm/W	188lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%)-5050-Pro	T20i(85°150°)	13580lm	15440lm	17280lm	19100lm	20900lm	22680lm	25380lm
ULR	= 0%, @ Luminaire inclination 0°							
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K							
CRI	70Ra, 80Ra, 90Ra optional							
Beam Angle	T20i(85°150°) , Customization acceptable							
LED Manufacturer	Other brands, customization acceptable, please request							
LED Model	2835 / 3030 / 5050							
Lens	Polycarbonate							
Mechanical Data								
IP/IK	Optical systems maintain at IP66, IK10, according to standard EN 60529 and EN 62262							
Vibration Resistance	5G rated, conform to standard IEC 68-2-6.							
SCx	0.096m² (top view), 0.024m² (side view)							
Materials	Heavy-duty die-cast aluminum (ADC12)							
Painting	RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, 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	550*210*89mm/21.65*8.27*3.5"							
Net Weight	3.5KG/7.72lbs							
Carton Size & Gross Weight （standard）	570*220*120mm/22.44*8.66*4.72", 3.9KG/8.6lbs							
Carton Size & Gross Weight （optional）	600*255*135mm/23.62*10.04*5.31", 4KG/8.82lbs							
Recommend Installation Height	General 4-10m, based on actual project requirements							
Standard Accessories	None							
Optional Accessories	10kV/20kV SPD, breather vent, NEMA shocket, Photocell, Zhaga, PIR or Microwave sensor, M20 waterproof joint, CCT & Power adjustable optional							
Important Note!								
The provided parameters are solely for design reference; the official measurement report holds higher and final authority.								

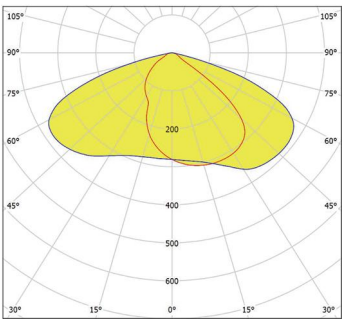
Ordering Information

AOK								
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING	OPTIONS
20WILG	NV1=100-277V	A2=2835	00=Without Sensor	xx70=xx00K 70CRI	T201(85°150°)	A=Side Entry	SL=Silver	10KV SPD
30WILG	NV2=220-240V	A3=3030	PH=Photocell	xx80=xx00K 80CRI	20-135W	B=Post Top	GR=Gray	20KV SPD
40WILG		A5=5050	DV=Dimmable	xx90=xx00K 90CRI			Custom request	Zhaga receptacle
50WILG				xx=(27/30/40/50/57/65)	T211(80°150°)			Nema socket
60WILG					20-60W			Custom request
70WILG								
80WILG					T202(75°150°)			
90WILG					20-60W			
100WILG								
110WILG								
120WILG								
135WILG								

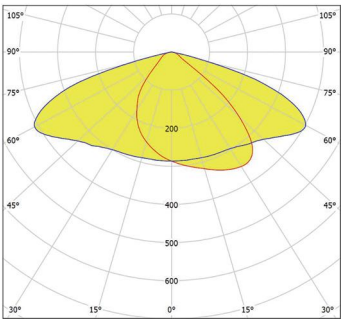
Photometrics



20-135W: T201(85°150°)

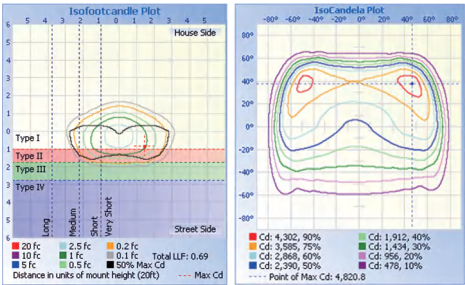


20-60W: T211(80°150°)

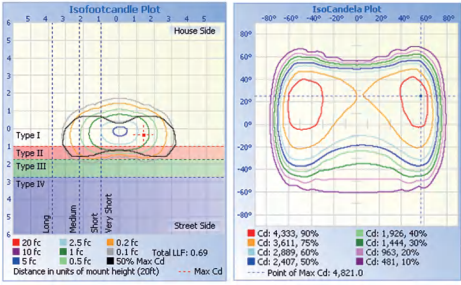


20-60W: T202(75°150°)

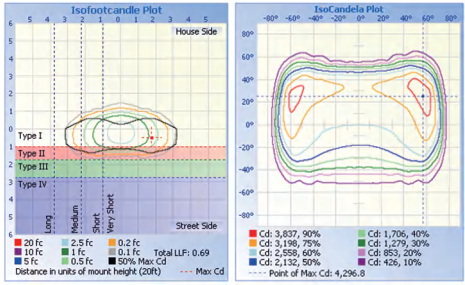
Illuminance Diagram



20-135W: T201(85°150°)

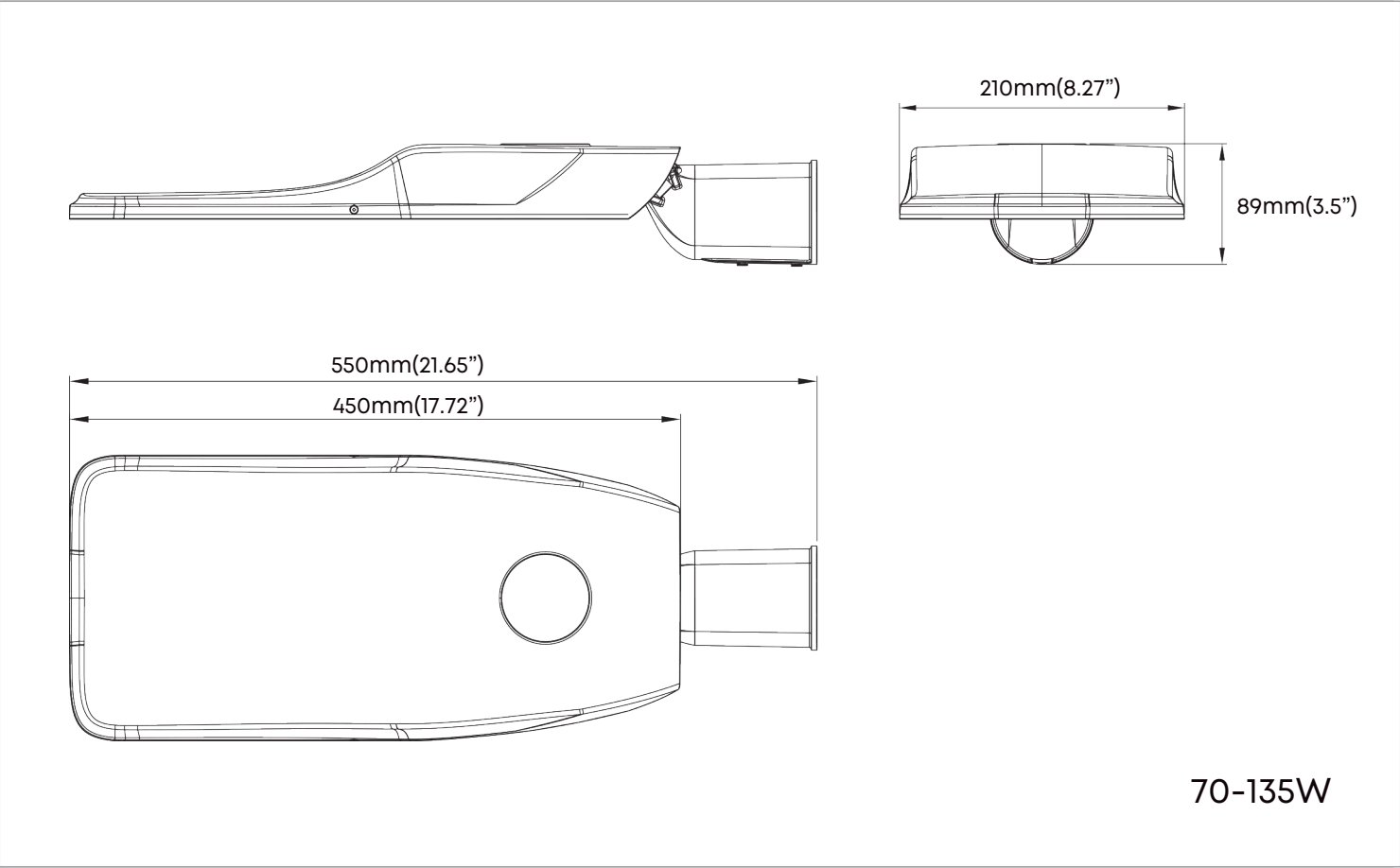
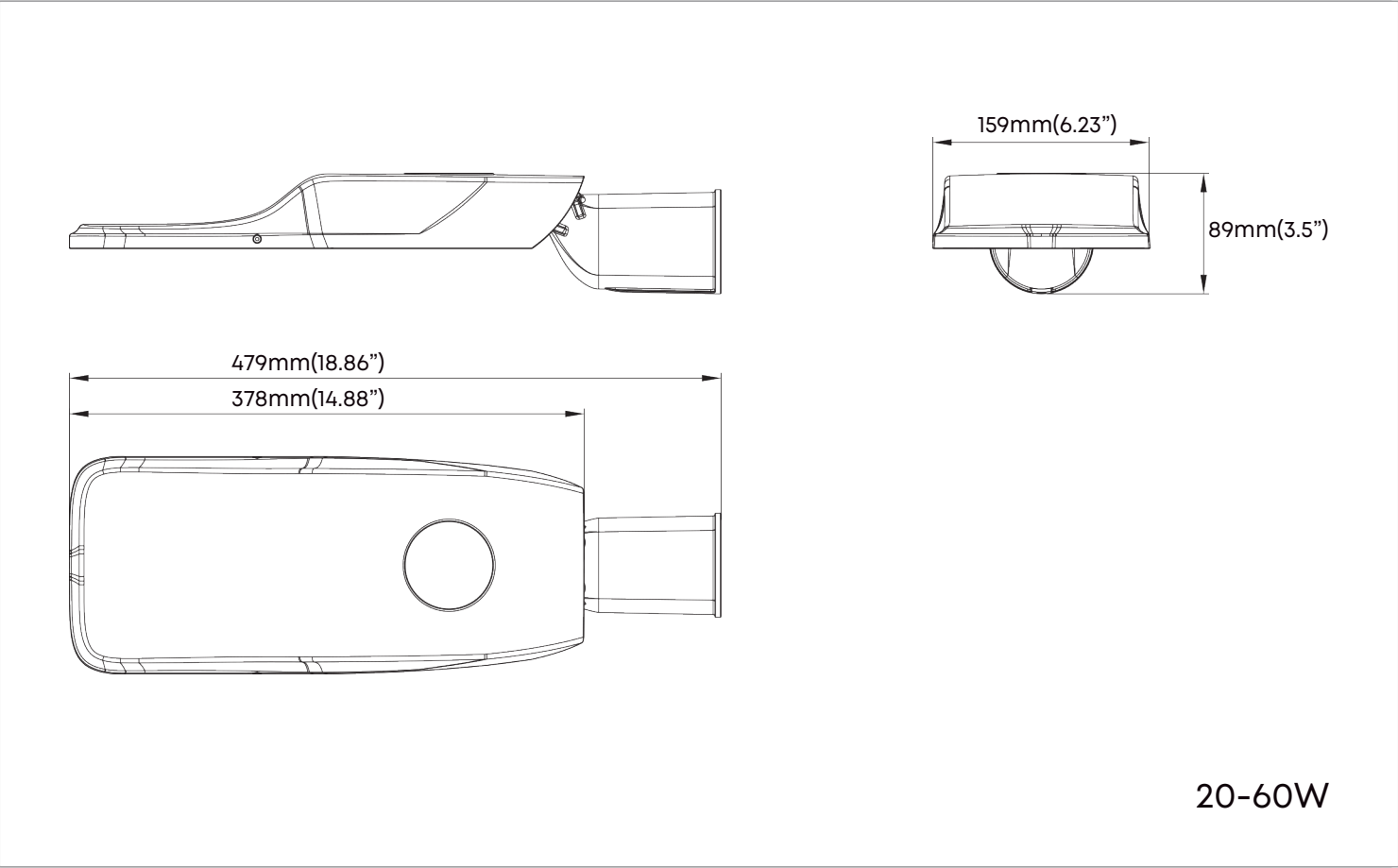


20-60W: T211(80°150°)



20-60W: T202(75°150°)

Dimensions





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