

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



High Lumen Output

Up to **15,800** lm

Tool-less

ILE LED Street Light Prototype Version

Power: 20W - 100W



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





New Generation **ILE** Street Light



Patent Number:
[ZL 2024 1 0198758.4]

Our product has obtained
an invention patent

For the projects
it **benefits** the possibilities of

-  Cost savings in operations
-  Quick installation & investment return
-  Smart control ready for efficient management
-  Concern of environmental sustainability



Self-Clean
Cover



Photocell



DALI Control



Casambi
Supported



Zhaga
Supported



Smart Lighting
Control

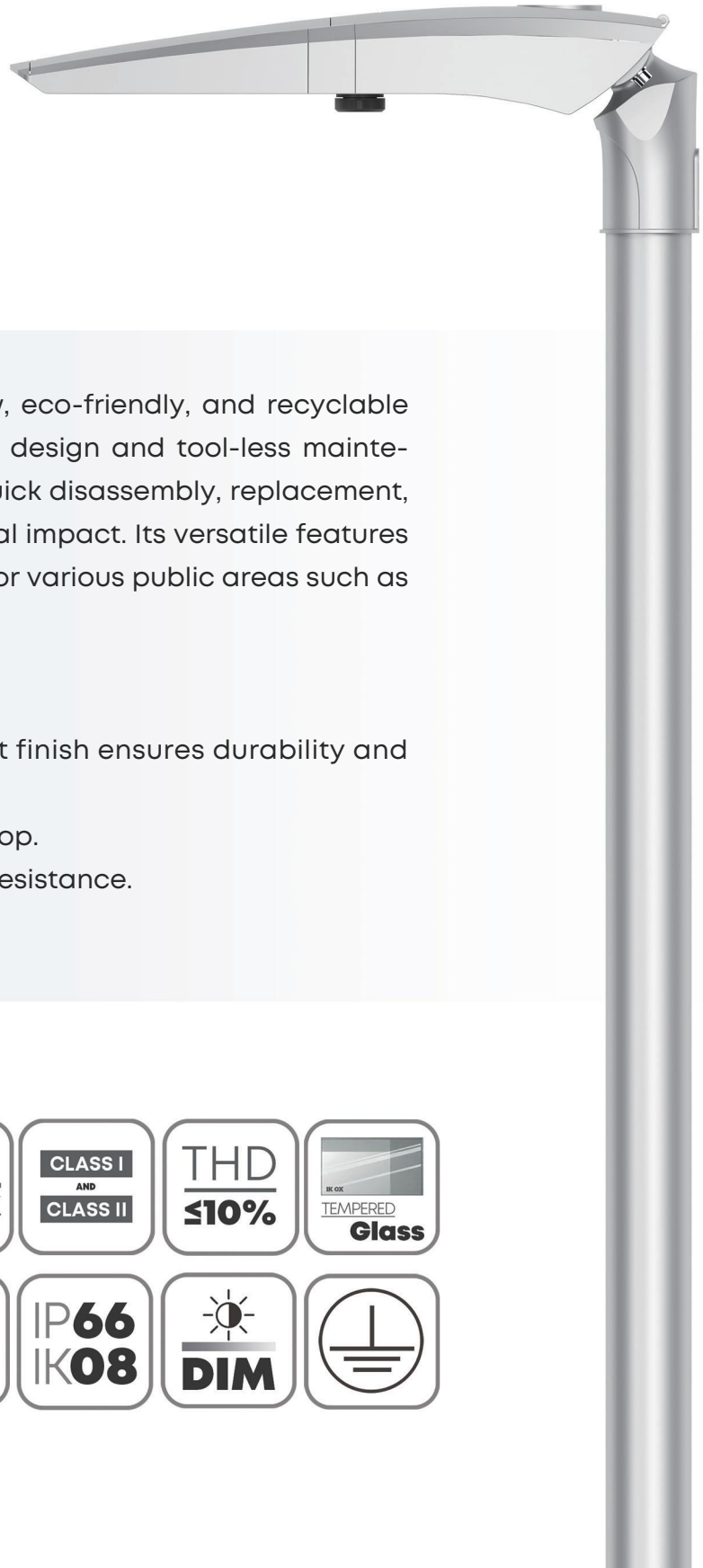


WARRANTY

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



For others & details
please request



The ILE series LED street light is a new, eco-friendly, and recyclable lighting solution. With energy-efficient design and tool-less maintenance for the entire fixture, it allows quick disassembly, replacement, and recycling, minimizing environmental impact. Its versatile features and light distribution make it suitable for various public areas such as road and streets, parking lots, etc.

- Die-cast aluminum fixture housing.
- UV-stabilized polyester powder paint finish ensures durability and corrosion resistance.
- Installation options: Side entry / Post top.
- Streamlined design to minimize wind resistance.
- PC lens + tempered glass cover.

UP TO 165 lm/W	L70 100,000HRS @ 25 C	WORKING TEMPERATURE ENVIRONMENT -40°C~50°C (-40°F~122°F)	100-277VAC 50 / 60HZ	CLASS I AND CLASS II	THD ≤10%	EX-001 TEMPERED Glass
3G VIBRATION TESTING PASSED	ULR =0%	2 7 0 0 K 3 0 0 0 K 4 0 0 0 K 5 0 0 0 K 5 7 0 0 K 6 5 0 0 K	CRI Ra70/80/90	IP66 IK08	 DIM	

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Cost Savings in Maintenance & Recycling

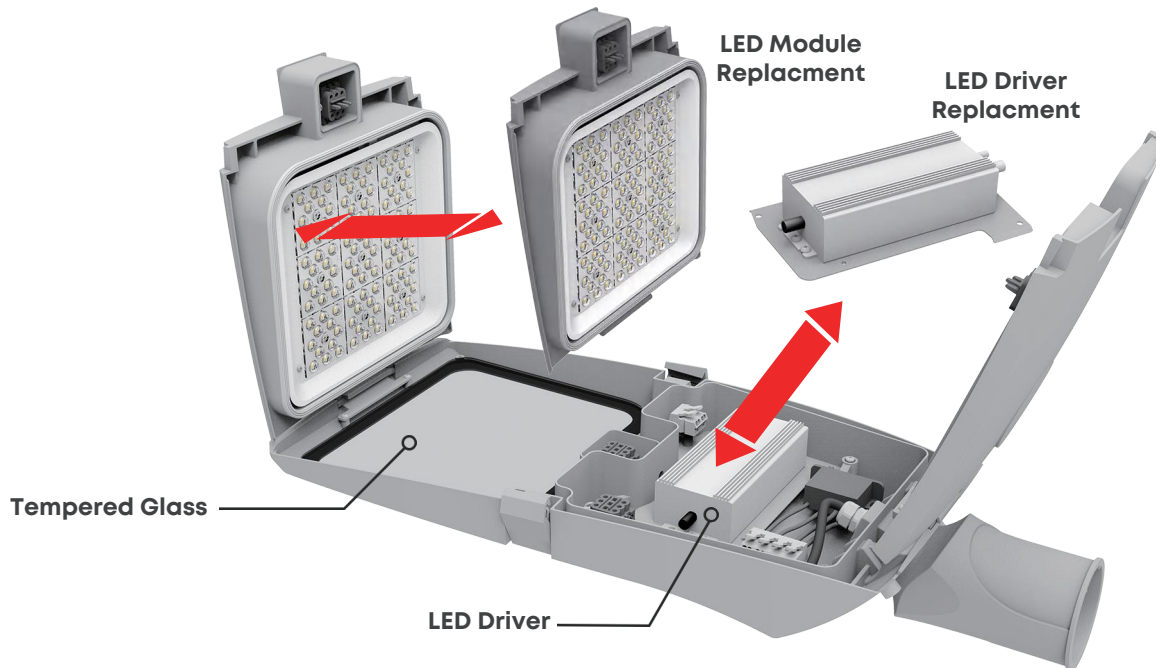
The incorporation of modularization units in maintenance and recycling processes, without the need for tools, enhances efficiency and sustainability.

This approach not only promotes economic benefits but also minimizes environmental impact.

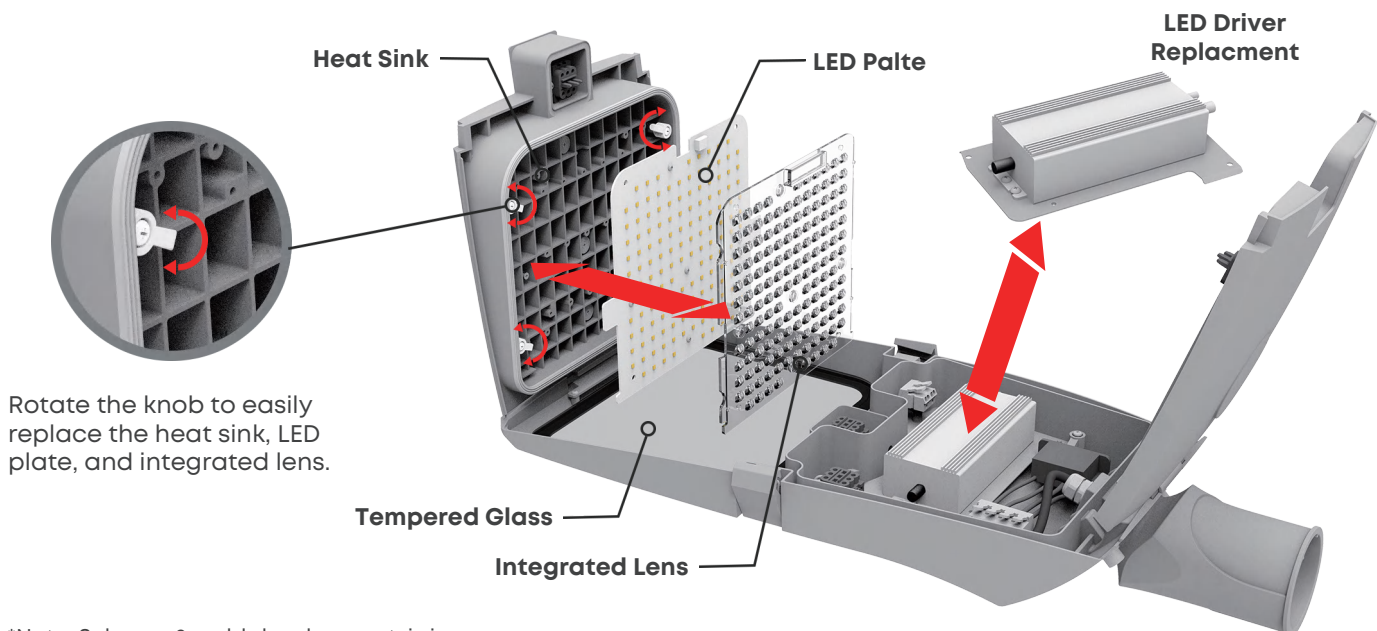


Tool-less Replacement Easy for Recycling

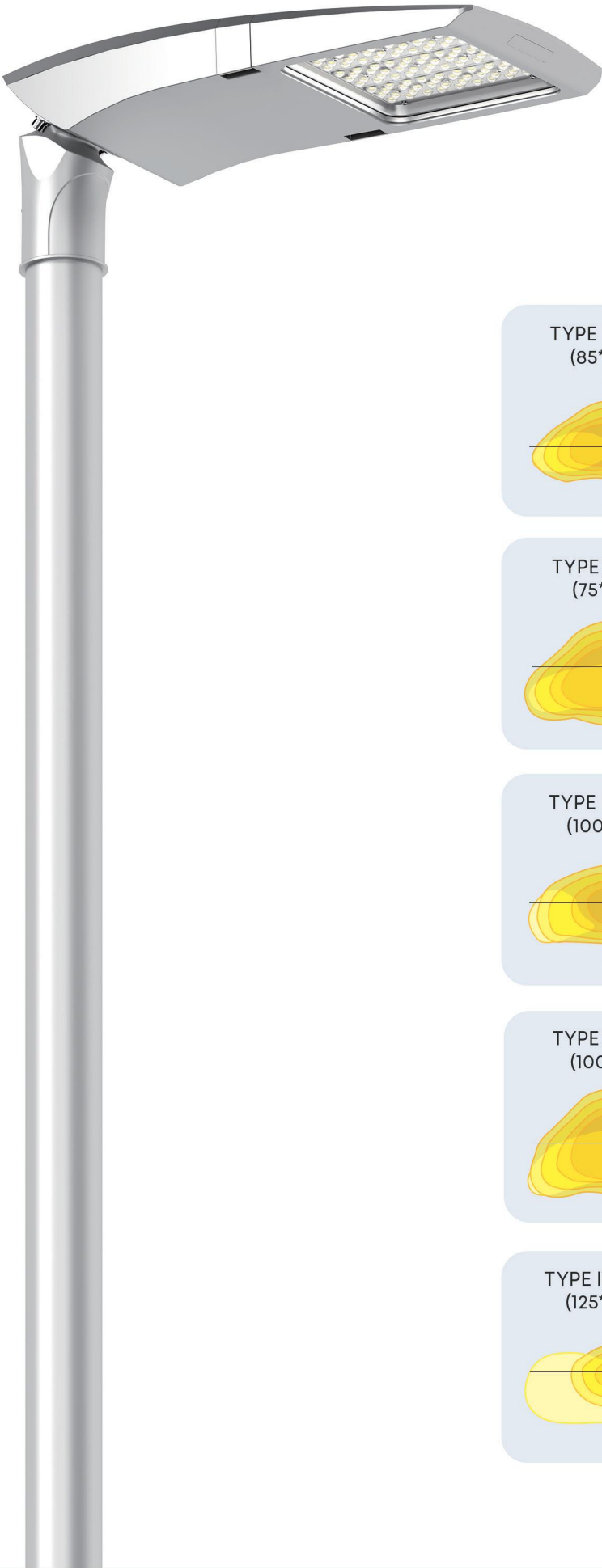
Scheme-1: LED Module, Tempered Glass, LED Driver Tool-less Replacement



***Scheme-2:** Heat sink, LED Plate, Lens, LED driver, Tempered Glass Tool-less Replacement



*Note: Scheme-2 mold development is in progress

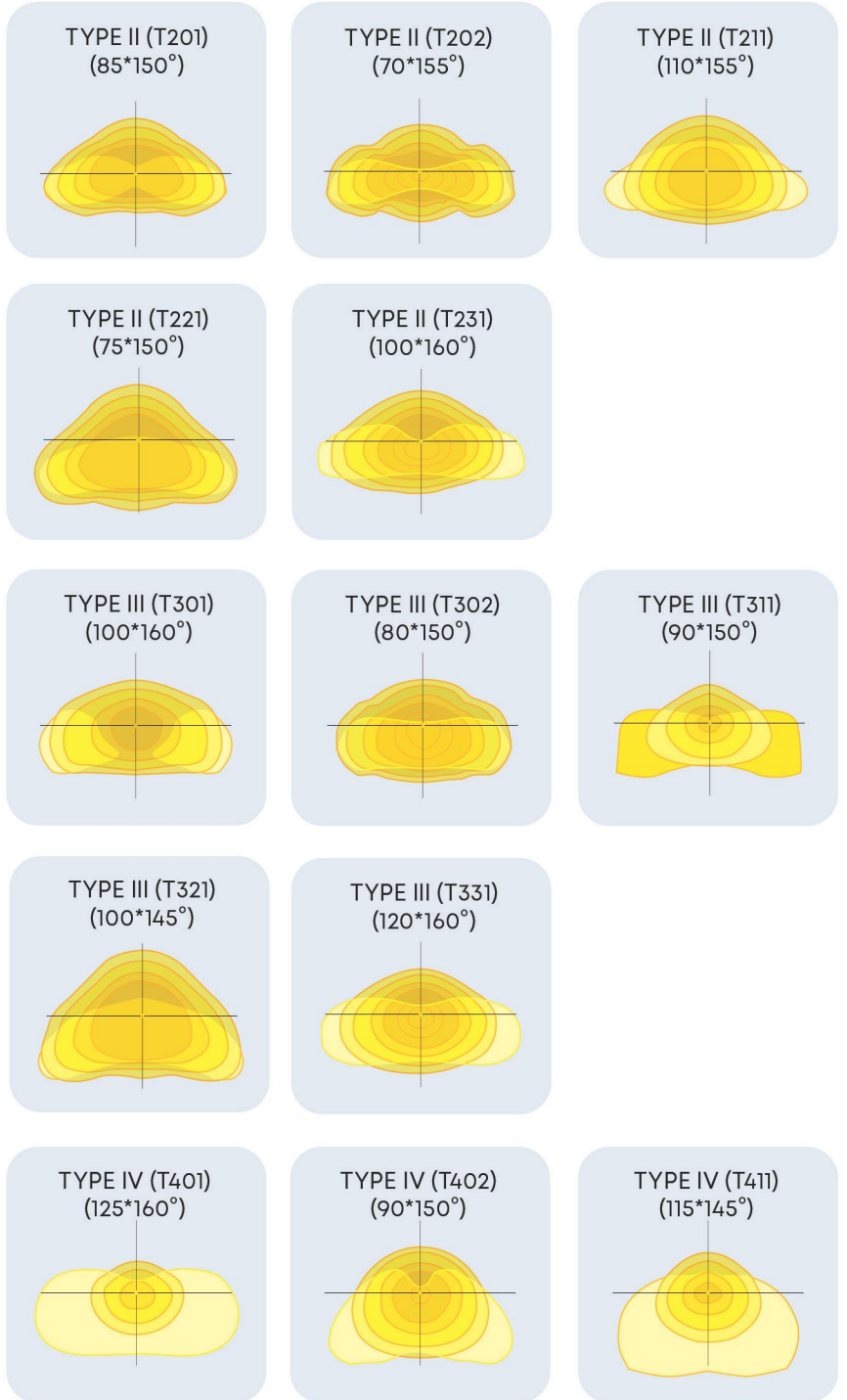


Animals & Insects Friendly
2700K-3000K
CCT available

Superior

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

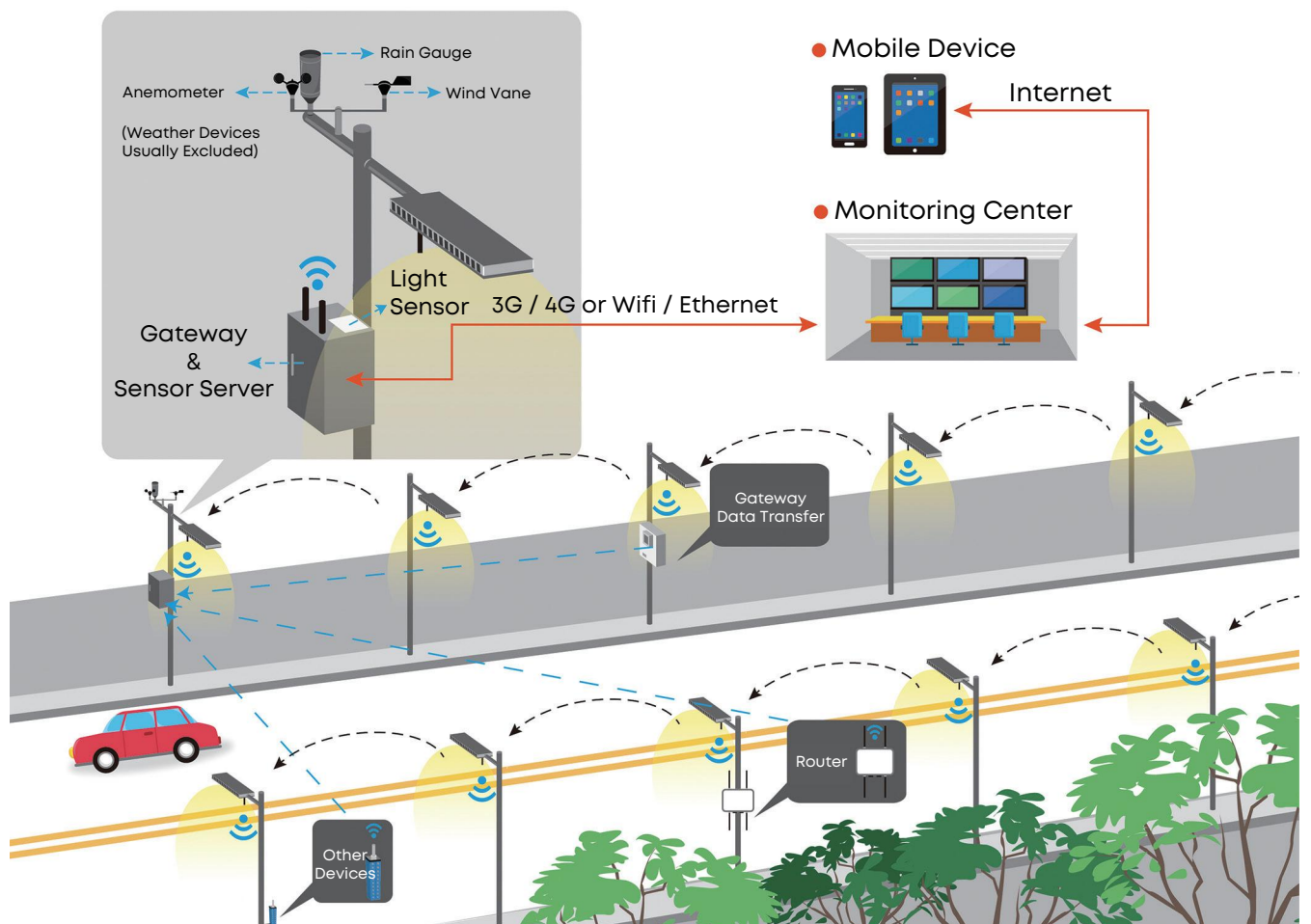
* Customize for public or private mode light distribution as needed.



Smart Control Ready For Efficient Management

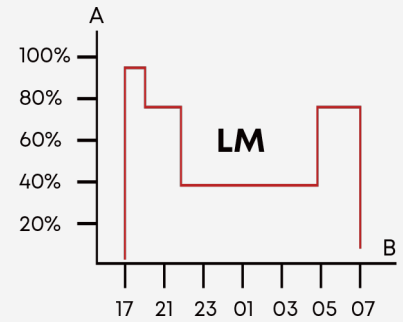
ILE is **connected-ready** and can operate with various sensors and control systems.

Typical IoT Demonstration



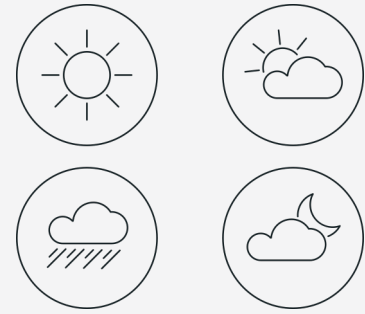
Custom Dimming Profile

Smart luminaire drivers enable the programming of complex dimming profiles without extra wiring. Customized time intervals and light levels contribute to maximum energy savings, maintaining required lighting levels and uniformity throughout the night.



Daylight Sensor / Photocell

Photocell or daylight sensors switch the luminaire on as soon natural light falls to a certain level. It can be programmed to switch on during a storm, on a cloudy day (in critical areas) or only at night-fall so as to provide safety and comfort in public spaces.

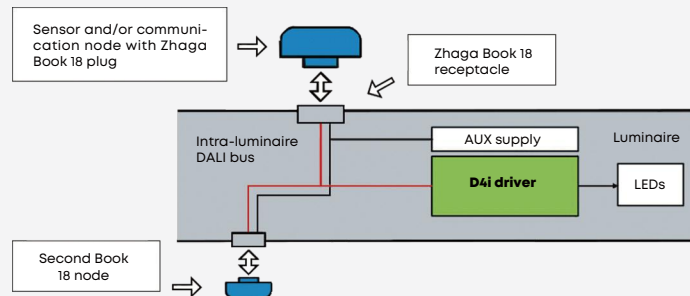


Smart standards. Smarter lighting.

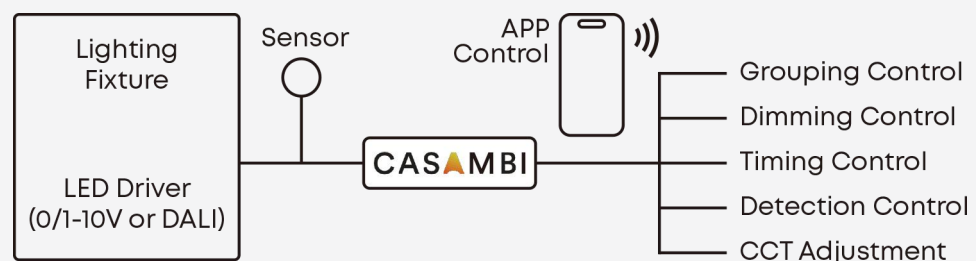
LoRaWAN® Luminaire Controller Zhaga is a wireless device for remote LED luminaire control with a Zhaga-compliant connector and DALI interface. It's compatible with LoRaWAN®, NB-IoT, and LTE-M networks, featuring a modern, compact design suitable for various street lighting modules.

LoRaWAN® Luminaire Controller NEMA is designed for LED luminaires with an ANSI C136.41 NEMA receptacle. It controls the luminaire through DALI or 0-10V analog interfaces and provides a secure power connection with three robust twist lock contacts.

Outdoor Luminaire with Zhaga Receptacles (optional)



Casambi Ready (optional)

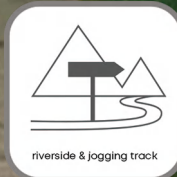


Application Reference

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



[**Over 5,000,000+ Luminaires**]
Installed Worldwide



Parameter Table

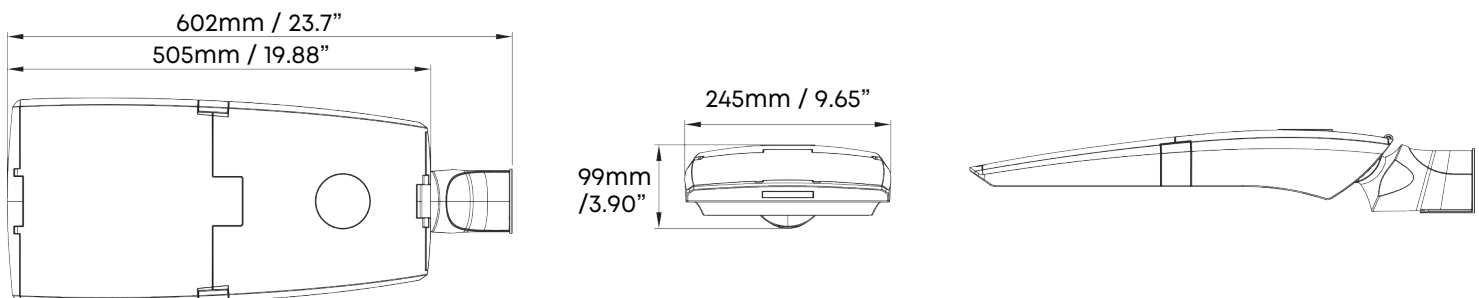
Electrical Data										
Model	AOK-20WILE	AOK-30WILE	AOK-40WILE	AOK-50WILE	AOK-60WILE	AOK-70WILE	AOK-80WILE	AOK-90WILE	AOK-100WILE	
Input Voltage	100-277VAC					100-277VAC				
THD (220Vac)	≤10%					≤10%				
PF(220Vac)	≥0.95					≥0.95				
Driver	Inventronics, Sosen/Class1, (Sosen、Philips、OSRAM、Moso、uPowerTek) /Class1、Class2									
Operating Temperature	-40°C to 50°C (-40 °F to 122 °F)									
Control Option	DALI-2, D4i,1-10V/ PWM / timer dimming, Nema, Presence detection sensor. Dim-to-Off with standby power <= 0.5W.									
Surge Protection	10kV / 20kV optional									
Photometric Data										
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%) with 3030	T201-12in1 (85°150°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W	147lm/W	144lm/W	141lm/W	135lm/W
	T211-12in1 (110°155°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W	147lm/W	144lm/W	141lm/W	135lm/W
	T301-12in1 (100°160°)	145lm/W	136lm/W	145lm/W	140lm/W	136lm/W	142lm/W	139lm/W	136lm/W	130lm/W
	T311-12in1 (90°150°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W	147lm/W	144lm/W	141lm/W	135lm/W
	T411-12in1 (115°145°)	150lm/W	141lm/W	150lm/W	145lm/W	141lm/W	147lm/W	144lm/W	141lm/W	135lm/W
	T221-16in1 (75°150°)	154lm/W	148lm/W	154lm/W	151lm/W	148lm/W	154lm/W	151lm/W	148lm/W	145lm/W
	T321-16in1 (100°145°)	154lm/W	148lm/W	154lm/W	151lm/W	148lm/W	154lm/W	151lm/W	148lm/W	145lm/W
	T231-24in1 (100°160°)	156lm/W	152lm/W	156lm/W	154lm/W	152lm/W	158lm/W	156lm/W	154lm/W	152lm/W
	T331-24in1 (120°160°)	156lm/W	152lm/W	156lm/W	154lm/W	152lm/W	158lm/W	156lm/W	154lm/W	152lm/W
	T401-24in1 (125°160°)	156lm/W	152lm/W	156lm/W	154lm/W	152lm/W	158lm/W	156lm/W	154lm/W	152lm/W
	T231-24in1-Pro (100°160°)	162lm/W	158lm/W	162lm/W	160lm/W	158lm/W	164lm/W	162lm/W	160lm/W	158lm/W
	T331-24in1-Pro (120°160°)	162lm/W	158lm/W	162lm/W	160lm/W	158lm/W	164lm/W	162lm/W	160lm/W	158lm/W
T401-24in1-Pro (125°160°)	162lm/W	158lm/W	162lm/W	160lm/W	158lm/W	164lm/W	162lm/W	160lm/W	158lm/W	
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%) with 3030	T201-12in1 (85°150°)	3000lm	4230lm	6000lm	7250lm	8460lm	10290lm	11520lm	12690lm	13500lm
	T211-12in1 (110°155°)	3000lm	4230lm	6000lm	7250lm	8460lm	10290lm	11520lm	12690lm	13500lm
	T301-12in1 (100°160°)	2900lm	4080lm	5800lm	7000lm	8160lm	9940lm	11120lm	12240lm	13000lm
	T311-12in1 (90°150°)	3000lm	4230lm	6000lm	7250lm	8460lm	10290lm	11520lm	12690lm	13500lm
	T411-12in1 (115°145°)	3000lm	4230lm	6000lm	7250lm	8460lm	10290lm	11520lm	12690lm	13500lm
	T221-16in1 (75°150°)	3080lm	4440lm	6160lm	7550lm	8880lm	10780lm	12080lm	13320lm	14500lm
	T321-16in1 (100°145°)	3080lm	4440lm	6160lm	7550lm	8880lm	10780lm	12080lm	13320lm	14500lm
	T231-24in1 (100°160°)	3120lm	4560lm	6240lm	7700lm	9120lm	11060lm	12480lm	13860lm	15200lm
	T331-24in1 (120°160°)	3120lm	4560lm	6240lm	7700lm	9120lm	11060lm	12480lm	13860lm	15200lm
	T401-24in1 (125°160°)	3120lm	4560lm	6240lm	7700lm	9120lm	11060lm	12480lm	13860lm	15200lm
	T231-24in1-Pro (100°160°)	3240lm	4740lm	6480lm	8000lm	9480lm	11480lm	12960lm	14400lm	15800lm
	T331-24in1-Pro (120°160°)	3240lm	4740lm	6480lm	8000lm	9480lm	11480lm	12960lm	14400lm	15800lm
T401-24in1-Pro (125°160°)	3240lm	4740lm	6480lm	8000lm	9480lm	11480lm	12960lm	14400lm	15800lm	
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%) with 5050	5050-T202 (70°155°)	160lm/W	154lm/W	160lm/W	157lm/W	154lm/W	157lm/W	154lm/W	152lm/W	150lm/W
	5050-T302 (80°150°)	160lm/W	154lm/W	160lm/W	157lm/W	154lm/W	157lm/W	154lm/W	152lm/W	150lm/W
	5050-T402 (90°150°)	160lm/W	154lm/W	160lm/W	157lm/W	154lm/W	157lm/W	154lm/W	152lm/W	150lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%) with 5050	5050-T202 (70°155°)	3200lm	4620lm	6400lm	7850lm	9240lm	10990lm	12320lm	13680lm	15000lm
	5050-T302 (80°150°)	3200lm	4620lm	6400lm	7850lm	9240lm	10990lm	12320lm	13680lm	15000lm
	5050-T402 (90°150°)	3200lm	4620lm	6400lm	7850lm	9240lm	10990lm	12320lm	13680lm	15000lm
ULR	= 0%, @ Luminaire inclination 0°									
CCT	2700K, 3000K, 4000K, 5000K, 5700K, 6500K									
CRI	70Ra, 80Ra, 90Ra optional									
Beam Angle	Type-II (85°150°, 70°155°, 75°150°, 110°155°, 100°160°) / Type III (100°160°, 80°150°, 90°150°, 100°145°, 120°160°) / Type IV (125°160°, 90°150°, 115°145°)									
LED Manufacturer	LUMILEDS / Seoul									
LED Model	Lumileds 3030, 5050 / Seoul3030, 5050									
Lens	Polycarbonate+tempered glass(4 mm thick)									

Mechanical Data	
IP / IK	IP66 / IK08, according to standard EN 60529 and EN 62262
Vibration Resistance	3G, conform to standard IEC 68-2-6.
SCx	0.12m ² (Top view), 0.035m ² (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 40 cm cable (Other lengths on request)
Mounting	Post Top/Side Entry, (Φ42-60mm pole)
Others	
Lifespan	L70 > 100000hrs, @Ta 25°C
Warranty	5 years (Warranty extension up to 10 years on request)
Product Size	23.7*9.65*3.9 inches / 602*245*99mm
Carton Size	25.98*11.42*6.1inches / 660*290*155mm
Net Weight	5KG
Gross Weight	5.8KG
Recommend Installation	General 4-12m, based on actual project requirements
Standard Accessories	Standard SPD 10kV (EU)
Optional Accessories	Lid support, Circuit breaker, SPD 20KV, Nema photoelectric control socket, Photocell, Zhaga socket, PIR or Microwave sensor.
Important Note!	The provided information is solely for reference; the official measurement report holds higher authority.

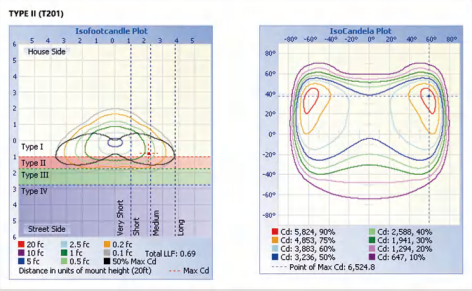
Ordering Information

AOK								
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING	OPTION
20WILE	NV=100-277V	L3=Lumileds 3030	00=Without Sensor	2770=2700K 70CRI	T201 (85*150°)	A=Side Entry	SG=Silver Gray	10KV SPD
30WILE		S3=Seoul 3030	PH=Photocell	3070=3000K 70CRI	T202 (70*155°)	B=Post Top	BZ=Bronze	20KV SPD
40WILE		L5=Lumileds 5050	DV=Dimmable	4070=4000K 70CRI	T211 (110*155°)		BK=Black	Zhaga receptacle
50WILE		S5=Seoul 5050		5070=5000K 70CRI	T221 (75*150°)		Custom request	Custom request
60WILE				5770=5700K 70CRI	T231 (100*160°)			
70WILE				6570=6500K 70CRI	T301 (100*160°)			
80WILE				2780=2700K 80CRI	T302 (80*150°)			
90WILE				3080=3000K 80CRI	T311 (90*150°)			
100WILE				4080=4000K 80CRI	T321 (100*145°)			
				5080=5000K 80CRI	T331 (120*160°)			
				5780=5700K 80CRI	T401 (125*160°)			
				6580=6500K 80CRI	T402 (90*150°)			
					T411 (115*145°)			

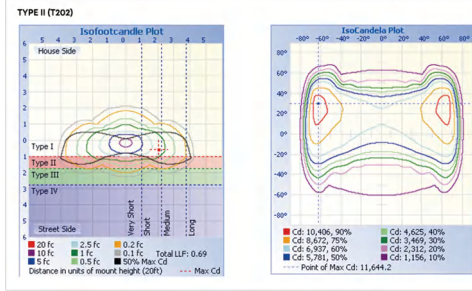
Dimensions



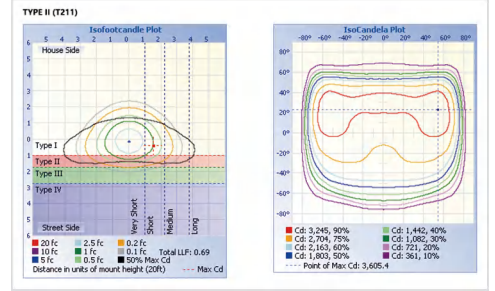
Illuminance Diagram



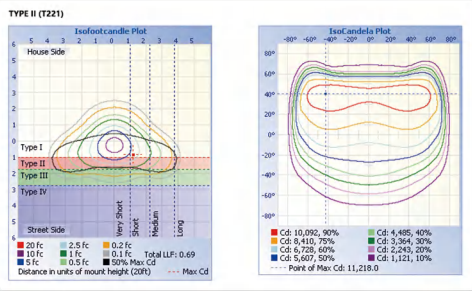
T201 (85*150°)



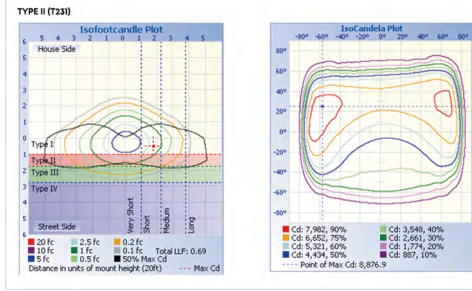
T202 (70*155°)



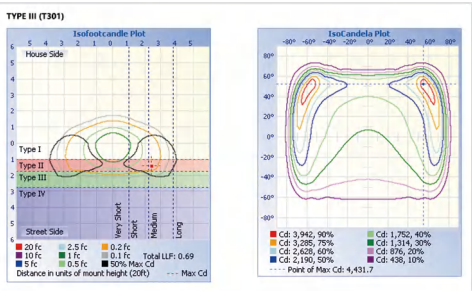
T211 (110*155°)



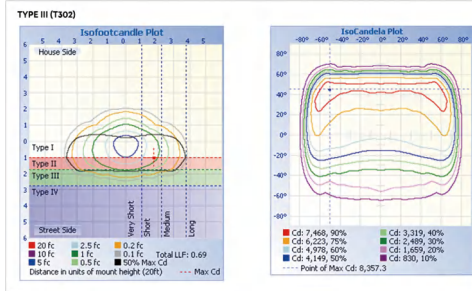
T221 (75*150°)



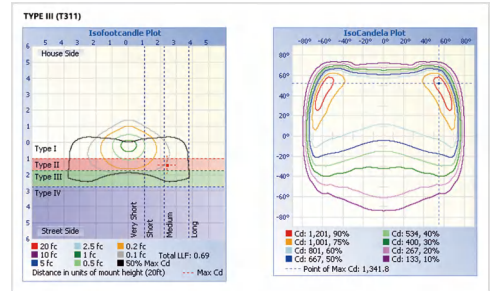
T231 (100*160°)



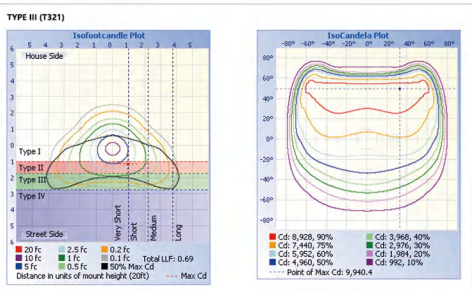
T301 (100*160°)



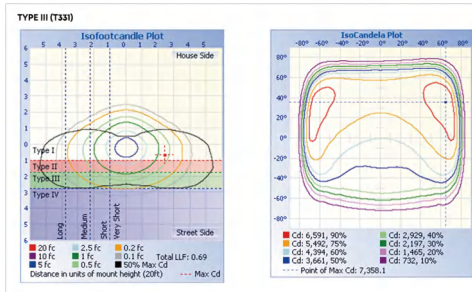
T302 (80*150°)



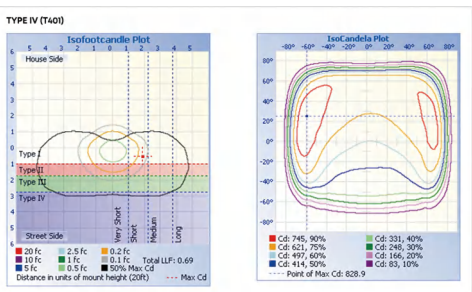
T311 (90*150°)



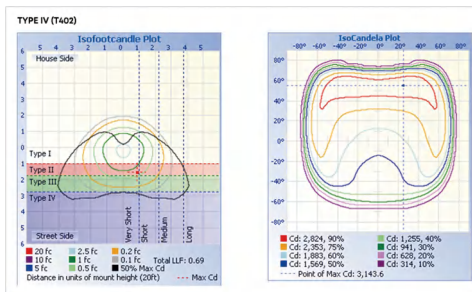
T321 (100*145°)



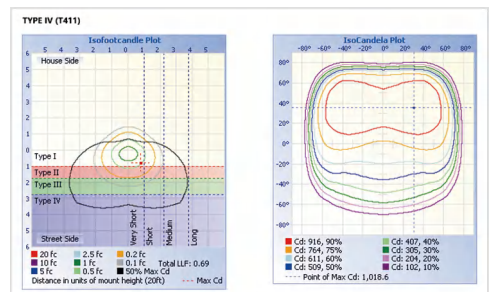
T331 (120*160°)



T401 (125*160°)

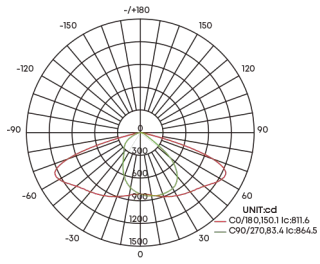


T402 (90*150°)

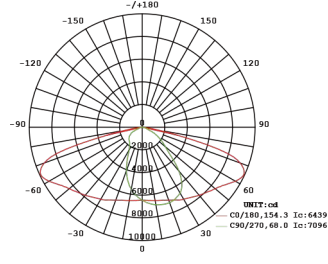


T411 (115*145°)

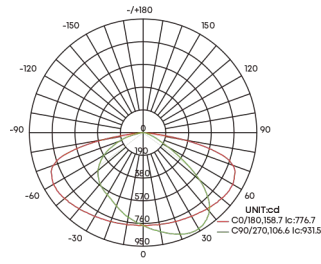
Photometry



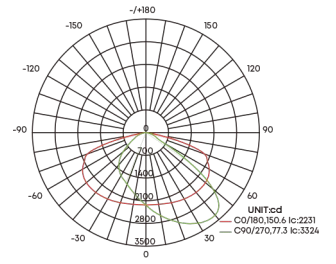
AVERAGE BEAM ANGLE(50%):116.7 DEG
T201 (85*150°)



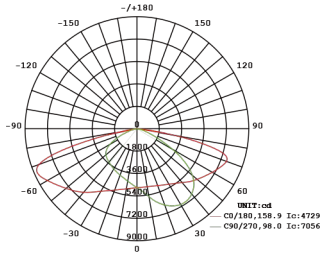
AVERAGE BEAM ANGLE(50%):111.2 DEG
T202 (70*155°)



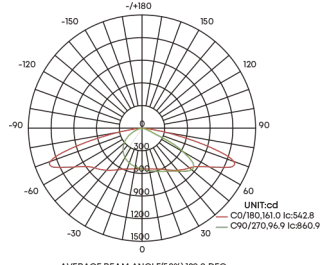
AVERAGE BEAM ANGLE(50%):132.6 DEG
T211 (110*155°)



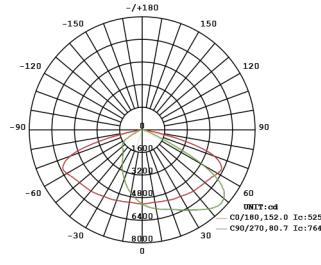
AVERAGE BEAM ANGLE(50%):113.9 DEG
T221 (75*150°)



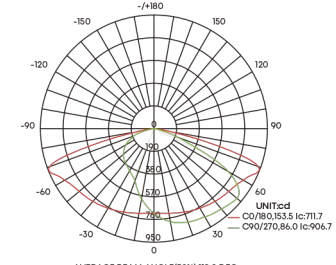
AVERAGE BEAM ANGLE(50%):128.4 DEG
T231 (100*160°)



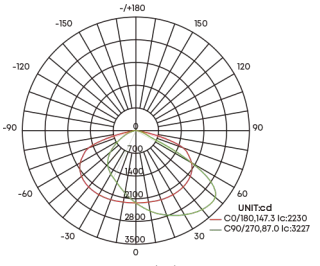
AVERAGE BEAM ANGLE(50%):129.0 DEG
T301 (100*160°)



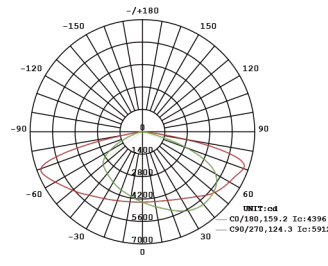
AVERAGE BEAM ANGLE(50%):116.4 DEG
T302 (80*150°)



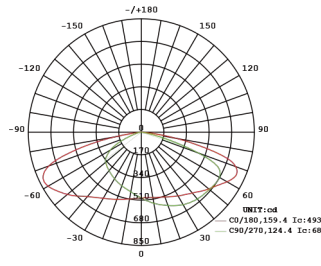
AVERAGE BEAM ANGLE(50%):119.8 DEG
T311 (90*150°)



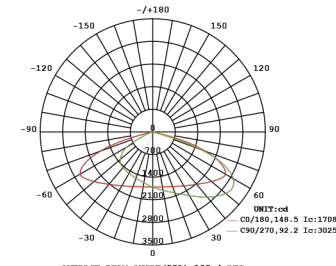
AVERAGE BEAM ANGLE(50%):117.2 DEG
T321 (100*145°)



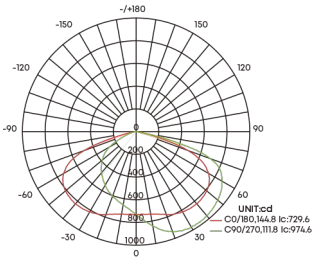
AVERAGE BEAM ANGLE(50%):141.7 DEG
T331 (120*160°)



AVERAGE BEAM ANGLE(50%):141.9 DEG
T401 (125*160°)

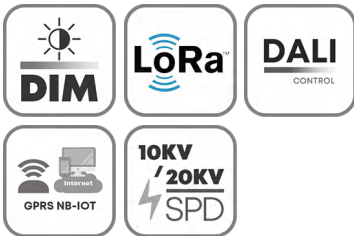


AVERAGE BEAM ANGLE(50%):120.4 DEG
T402 (90*150°)



AVERAGE BEAM ANGLE(50%):128.3 DEG
T411 (115*145°)

Controller & Receptacle



Zhaga Receptacle



Shorting Cap



3 Pin/7 Pin Receptacle



Photocell

*The accessories may differ from those described in the pictures when products are upgraded. Please consult with our sales team for updated details and order separately.



Innovative & Tailored Lighting Solutions for **Success**



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