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

AOK®
Quality, Honesty, Service and Innovation

Tool-less
ILE LED Street Light Prototype Version

Power: 20W - 120W

Annual Replaced 150,000+ units Street Lighting

PROFESSIONAL TRUST WORTHINESS

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

New Generation **ILE** Street Light

PATENTED PRODUCT

Patent Number:
【ZL 2024 1 0198758.4】
Our product has obtained an invention patent

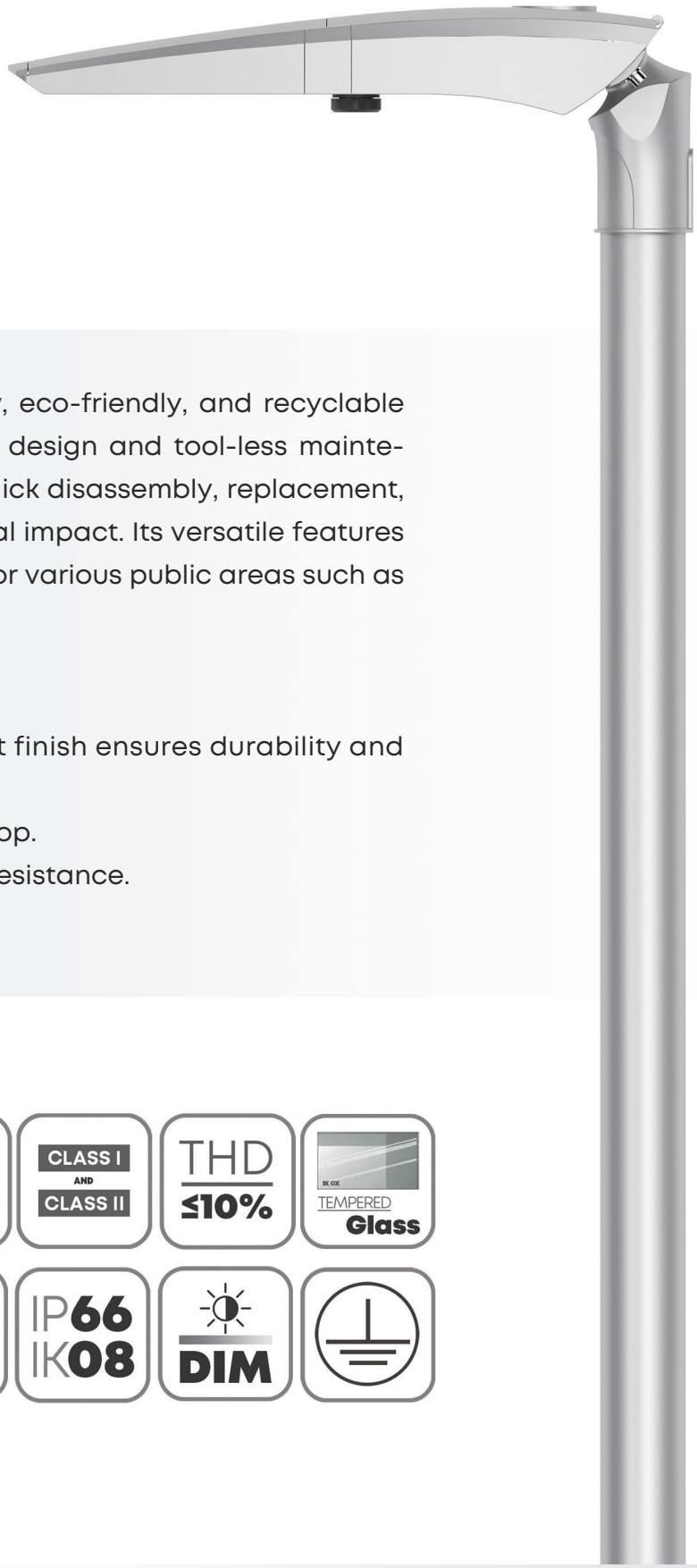
For the projects it **benefits** the possibilities of

- 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

5 10 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

WOKRING TEMPERATURE ENVIRONMENT -40°C~55°C (-40°F~131°F)

100-277VAC 50 / 60HZ

CLASS I AND CLASS II

THD ≤10%

TEMPERED Glass

3G VIBRATION TESTING PASSED

ULR =0%

2700K 3000K 4000K 5000K 5700K 6500K

CRI Ra70/80/90

IP66 IK08

DIM

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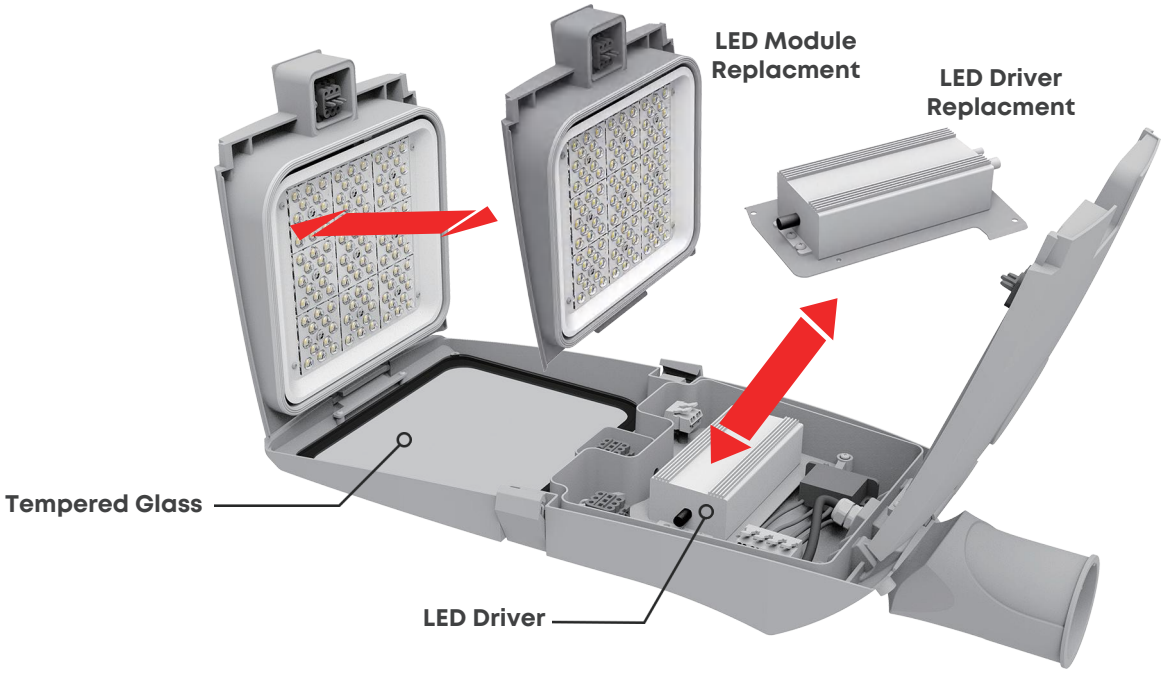
Quality, Honesty, Service and Innovation

Cost Savings in
Maintenance & Recycling

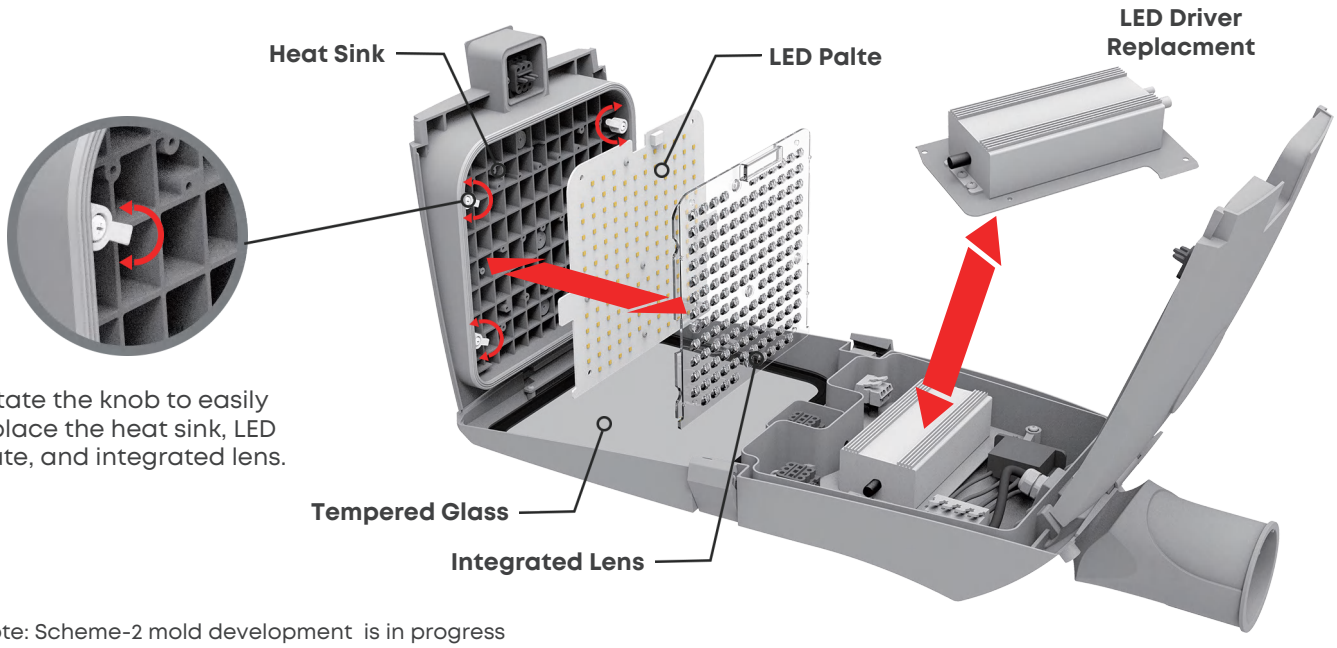
The incorporation of modularization units in maintenance and recycling processes, without the need for tools, enhances efficiency and sustainability.
This approach not only promotes economic benefits but also minimizes environmental impact.

Tool-less Replacement
Easy for Recycling

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

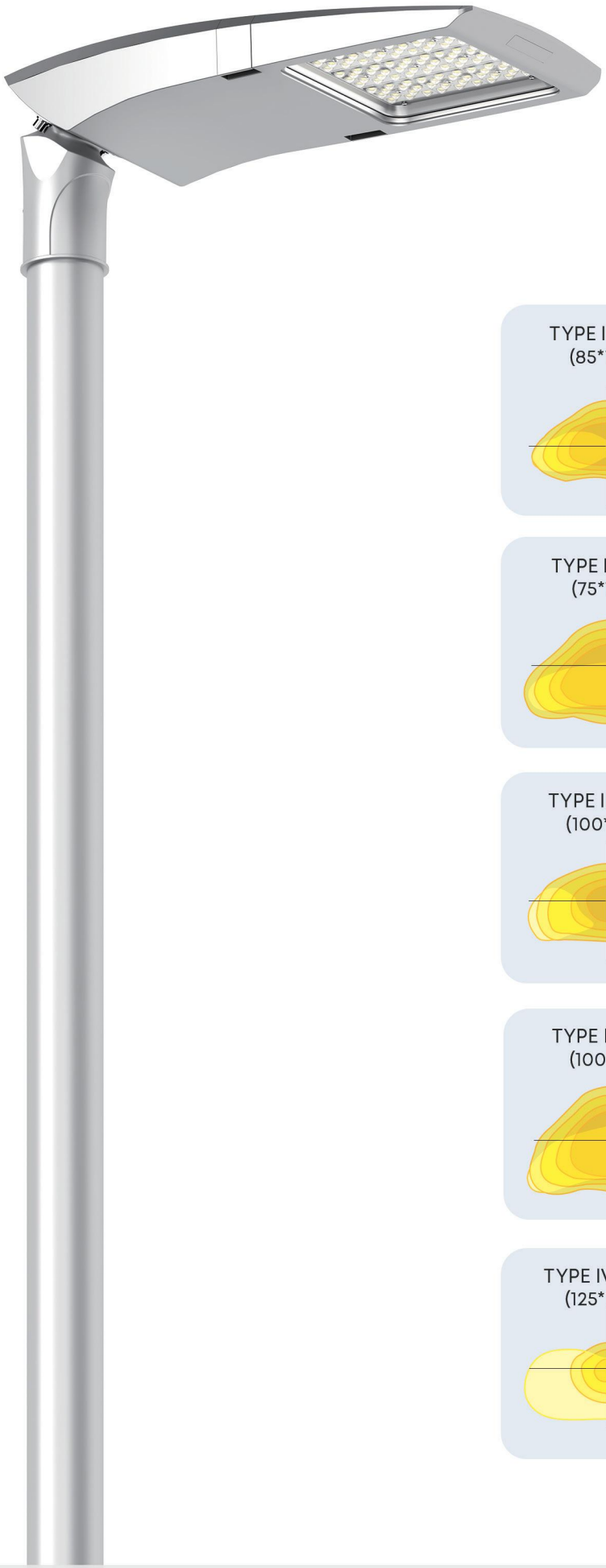


***Scheme-2:** Heat sink, LED Plate, Lens, LED driver, Tempered Glass Tool-less Replacement



Rotate the knob to easily replace the heat sink, LED plate, and integrated lens.

*Note: Scheme-2 mold development is in progress

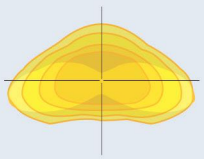


Superior

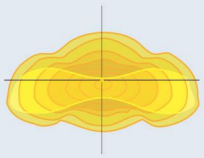
Animals & Insects Friendly
2700K-3000K
CCT available

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.

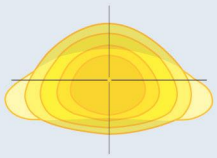
TYPE II (T201)
(85*150°)



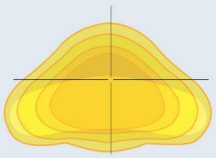
TYPE II (T202)
(70*155°)



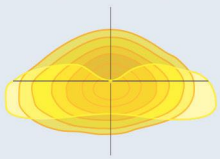
TYPE II (T211)
(110*155°)



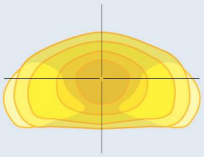
TYPE II (T221)
(75*150°)



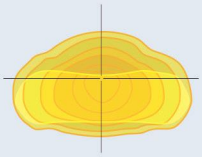
TYPE II (T231)
(100*160°)



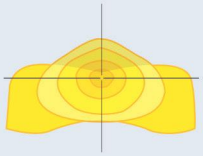
TYPE III (T301)
(100*160°)



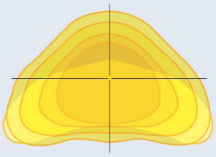
TYPE III (T302)
(80*150°)



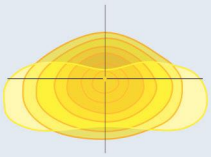
TYPE III (T311)
(90*150°)



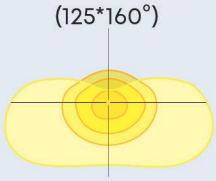
TYPE III (T321)
(100*145°)



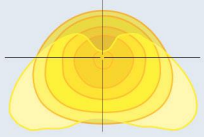
TYPE III (T331)
(120*160°)



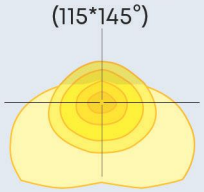
TYPE IV (T401)
(125*160°)



TYPE IV (T402)
(90*150°)



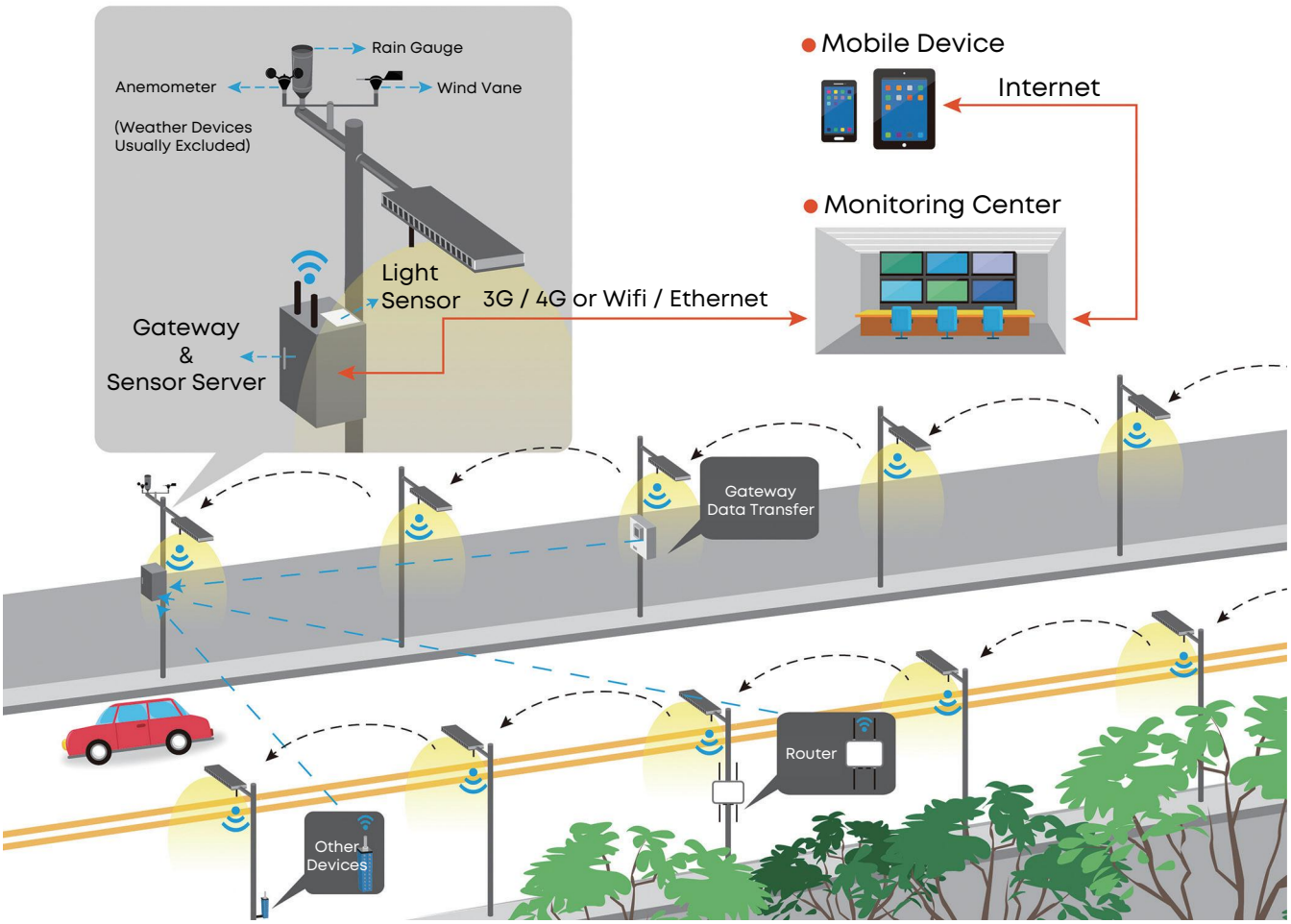
TYPE IV (T411)
(115*145°)



Smart Control Ready
For Efficient Management

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

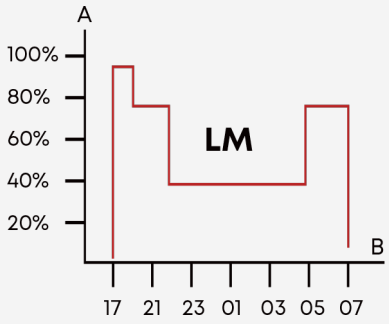
Typical IoT
Demonstration



Smart Lighting Control Ready

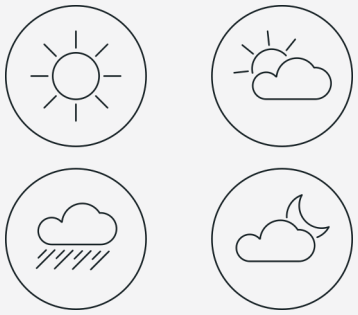
Custom Dimming Profile

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 nightfall so as to provide safety and comfort in public spaces.

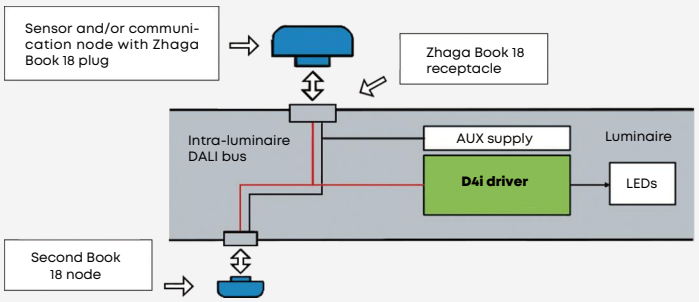


Smart standards. Smarter lighting.

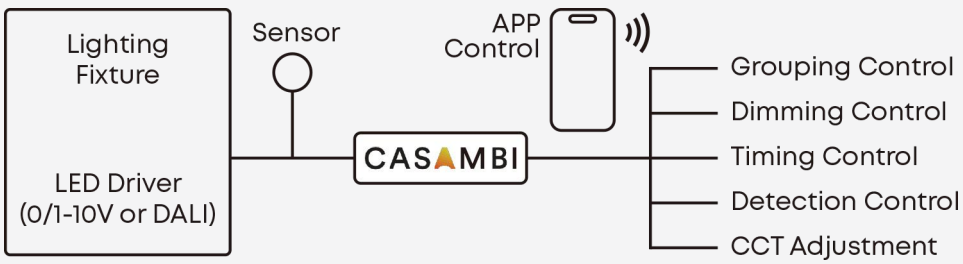
LoRaWAN® Luminaire Controller Zhaga is a wireless device for remote LED luminaire control with a Zhaga-compliant connector and DALI interface. It's compatible with LoRaWAN®, NB-IoT, and LTE-M networks, featuring a modern, compact design suitable for various street lighting modules.

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 ligthing
- Parks & perimeter lighting
- Parking lot lighting
- Riverside & jogging track

Over 5,000,000+ Luminaires
Installed Worldwide

Parameter Table

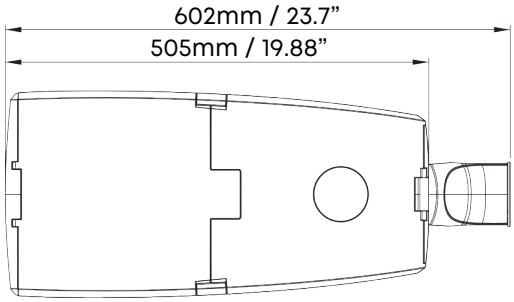
Electrical Data												
Model		**AOK-20WiLE**	**AOK-30WiLE**	**AOK-40WiLE**	**AOK-50WiLE**	**AOK-60WiLE**	**AOK-70WiLE**	**AOK-80WiLE**	**AOK-90WiLE**	**AOK-100WiLE**	**AOK-110WiLE**	**AOK-120WiLE**
Input Voltage		100-277VAC					100-277VAC					
THD（220Vac）		≤10%					≤10%					
PF(220Vac)		≥0.95					≥0.95					
Driver		20-110W: Inventronics、Sosen/Class 1，（Sosen 、 Philips、OSRAM、Moso、uPowerTek）/Class 1、 Class 2 120W: Inventronics、Sosen/Class 1，（Moso）/Class 1、 Class 2										
Operating Temperature		20-100W: -40°C to 55°C (-40 °F to 131 °F) 110-120W: -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°)	154lm/W	152lm/W	150lm/W	145lm/W	141lm/W	147lm/W	144lm/W	141lm/W	135lm/W	133lm/W	130lm/W
	T211-12in1 (110*155°)	154lm/W	152lm/W	150lm/W	145lm/W	141lm/W	147lm/W	144lm/W	141lm/W	135lm/W	133lm/W	130lm/W
	T301-12in1 (100*160°)	149lm/W	147lm/W	145lm/W	140lm/W	136lm/W	142lm/W	139lm/W	136lm/W	130lm/W	128lm/W	125lm/W
	T311-12in1 (90*150°)	154lm/W	152lm/W	150lm/W	145lm/W	141lm/W	147lm/W	144lm/W	141lm/W	135lm/W	133lm/W	130lm/W
	T411-12in1 (115*145°)	154lm/W	152lm/W	150lm/W	145lm/W	141lm/W	147lm/W	144lm/W	141lm/W	135lm/W	133lm/W	130lm/W
	T221-16in1 (75*150°)	158lm/W	156lm/W	154lm/W	151lm/W	148lm/W	154lm/W	151lm/W	148lm/W	145lm/W	143lm/W	140lm/W
	T321-16in1 (100*145°)	158lm/W	156lm/W	154lm/W	151lm/W	148lm/W	154lm/W	151lm/W	148lm/W	145lm/W	143lm/W	140lm/W
	T231-24in1 (100*160°)	160lm/W	158lm/W	156lm/W	154lm/W	152lm/W	158lm/W	156lm/W	154lm/W	152lm/W	150lm/W	148lm/W
	T331-24in1 (120*160°)	160lm/W	158lm/W	156lm/W	154lm/W	152lm/W	158lm/W	156lm/W	154lm/W	152lm/W	150lm/W	148lm/W
	T401-24in1 (125*160°)	160lm/W	158lm/W	156lm/W	154lm/W	152lm/W	158lm/W	156lm/W	154lm/W	152lm/W	150lm/W	148lm/W
	T231-24in1-Pro (100*160°)	166lm/W	164lm/W	162lm/W	160lm/W	158lm/W	164lm/W	162lm/W	160lm/W	158lm/W	156lm/W	154lm/W
	T331-24in1-Pro (120*160°)	166lm/W	164lm/W	162lm/W	160lm/W	158lm/W	164lm/W	162lm/W	160lm/W	158lm/W	156lm/W	154lm/W
	T401-24in1-Pro (125*160°)	166lm/W	164lm/W	162lm/W	160lm/W	158lm/W	164lm/W	162lm/W	160lm/W	158lm/W	156lm/W	154lm/W
Luminous Flux (lm) (CRI 70Ra, 5000K) (Std Dev ±5%) with 3030	T201-12in1 (85*150°)	3080lm	4560lm	6000lm	7250lm	8460lm	10290lm	11520lm	12690lm	13500lm	14630lm	15600lm
	T211-12in1 (110*155°)	3080lm	4560lm	6000lm	7250lm	8460lm	10290lm	11520lm	12690lm	13500lm	14630lm	15600lm
	T301-12in1 (100*160°)	2980lm	4410lm	5800lm	7000lm	8160lm	9940lm	11120lm	12240lm	13000lm	14080lm	15000lm
	T311-12in1 (90*150°)	3080lm	4560lm	6000lm	7250lm	8460lm	10290lm	11520lm	12690lm	13500lm	14630lm	15600lm
	T411-12in1 (115*145°)	3080lm	4560lm	6000lm	7250lm	8460lm	10290lm	11520lm	12690lm	13500lm	14630lm	15600lm
	T221-16in1 (75*150°)	3160lm	4680lm	6160lm	7550lm	8880lm	10780lm	12080lm	13320lm	14500lm	15730lm	16800lm
	T321-16in1 (100*145°)	3160lm	4680lm	6160lm	7550lm	8880lm	10780lm	12080lm	13320lm	14500lm	15730lm	16800lm
	T231-24in1 (100*160°)	3200lm	4740lm	6240lm	7700lm	9120lm	11060lm	12480lm	13860lm	15200lm	16500lm	17760lm
	T331-24in1 (120*160°)	3200lm	4740lm	6240lm	7700lm	9120lm	11060lm	12480lm	13860lm	15200lm	16500lm	17760lm
	T401-24in1 (125*160°)	3200lm	4740lm	6240lm	7700lm	9120lm	11060lm	12480lm	13860lm	15200lm	16500lm	17760lm
	T231-24in1-Pro (100*160°)	3320lm	4920lm	6480lm	8000lm	9480lm	11480lm	12960lm	14400lm	15800lm	17160lm	18480lm
	T331-24in1-Pro (120*160°)	3320lm	4920lm	6480lm	8000lm	9480lm	11480lm	12960lm	14400lm	15800lm	17160lm	18480lm
	T401-24in1-Pro (125*160°)	3320lm	4920lm	6480lm	8000lm	9480lm	11480lm	12960lm	14400lm	15800lm	17160lm	18480lm
Efficacy(lm/W) (CRI 70Ra, 5000K) (Std Dev ±5%) with 5050	5050-T202 (70*155°)	164lm/W	162lm/W	160lm/W	157lm/W	154lm/W	157lm/W	154lm/W	152lm/W	150lm/W	148lm/W	145lm/W
	5050-T302 (80*150°)	164lm/W	162lm/W	160lm/W	157lm/W	154lm/W	157lm/W	154lm/W	152lm/W	150lm/W	148lm/W	145lm/W
	5050-T402 (90*150°)	164lm/W	162lm/W	160lm/W	157lm/W	154lm/W	157lm/W	154lm/W	152lm/W	150lm/W	148lm/W	145lm/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	16280lm	17400lm
	5050-T302 (80*150°)	3200lm	4620lm	6400lm	7850lm	9240lm	10990lm	12320lm	13680lm	15000lm	16280lm	17400lm
	5050-T402 (90*150°)	3200lm	4620lm	6400lm	7850lm	9240lm	10990lm	12320lm	13680lm	15000lm	16280lm	17400lm
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)										

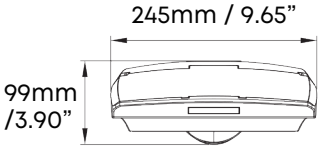
Mechanical Data	
IP / IK	IP66 / IK08, according to standard EN 60529 and EN 62262
Vibration Resistance	3G, conform to standard IEC 68-2-6.
SCx	0.12m² (Top view), 0.035m² (side view)
Materials	Heavy-duty die-cast aluminum (ADC12)
Painting	RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request
Surface 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*5.91inches / 660*290*150mm
Net Weight	5.1KG
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.**

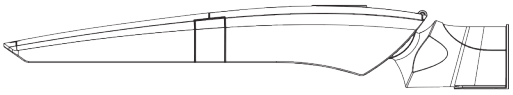
Ordering Information

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	SI=Silver	10KV SPD
30WILE		S3=Seoul 3030	PH=Photocell	3070=3000K 70CRI	T202 (70*155°)	B=Post Top	BK=Black	20KV SPD
40WILE		L5=Lumileds 5050	DV=Dimmable	4070=4000K 70CRI	T211 (110*155°)		GR=Gray	Zhaga receptacle
50WILE		S5=Seoul 5050		5070=5000K 70CRI	T221 (75*150°)		Custom request	Nema socket
60WILE				5770=5700K 70CRI	T231 (100*160°)			Custom request
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°)			
110WILE				5080=5000K 80CRI	T331 (120*160°)			
120WILE				5780=5700K 80CRI	T401 (125*160°)			
				6580=6500K 80CRI	T402 (90*150°)			
					T411 (115*145°)			

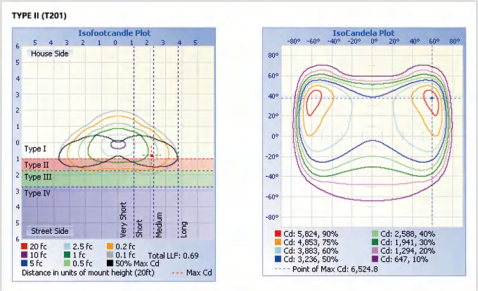
Dimensions



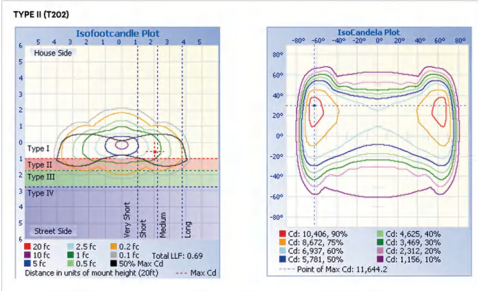




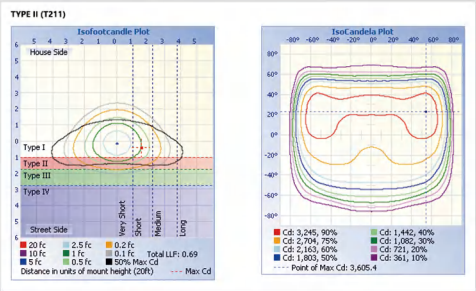
Illuminance Diagram



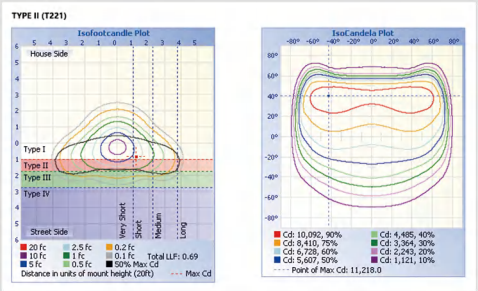
T201 (85*150°)



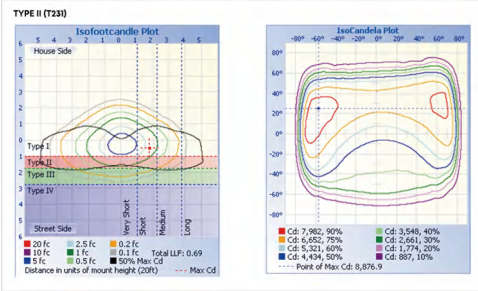
T202 (70*155°)



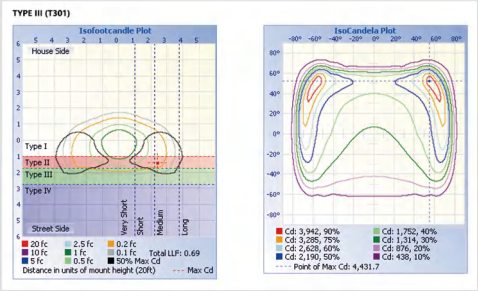
T211 (110*155°)



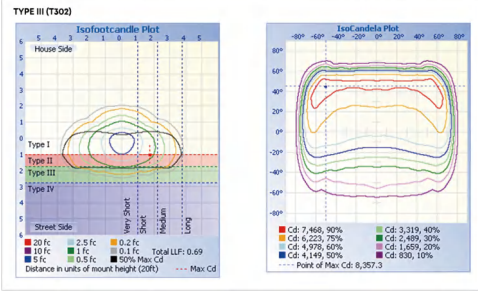
T221 (75*150°)



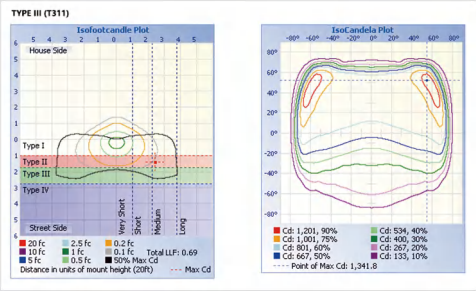
T231 (100*160°)



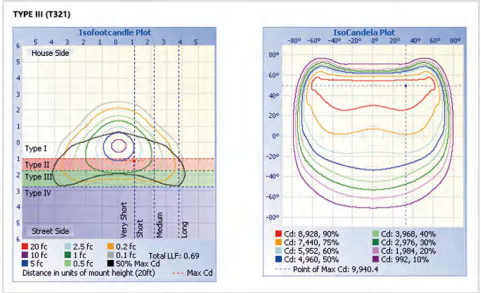
T301 (100*160°)



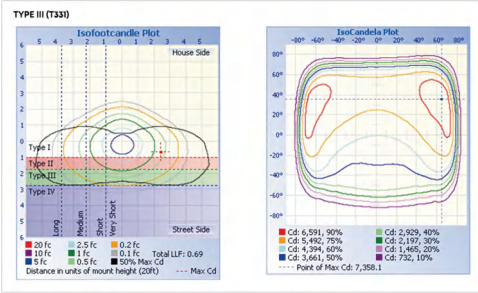
T302 (80*150°)



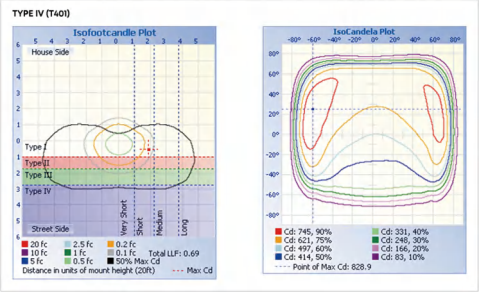
T311 (90*150°)



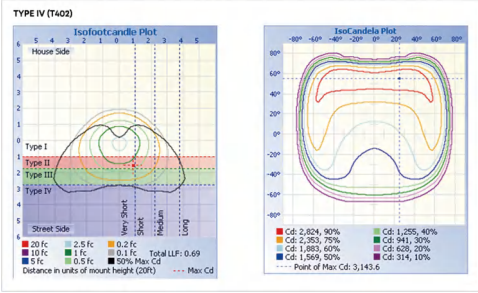
T321 (100*145°)



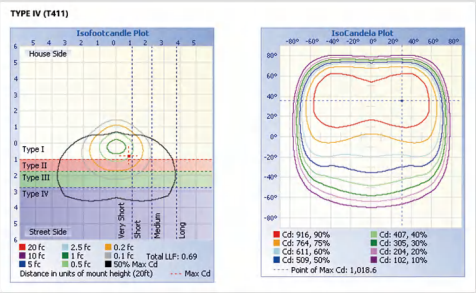
T331 (120*160°)



T401 (125*160°)

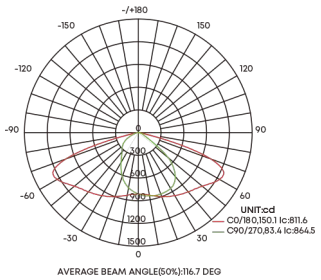


T402 (90*150°)

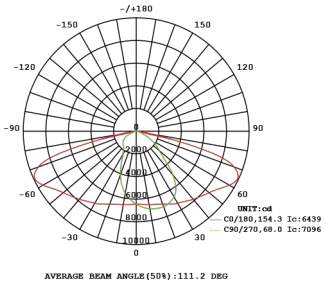


T411 (115*145°)

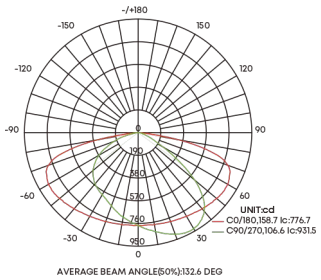
Photometry



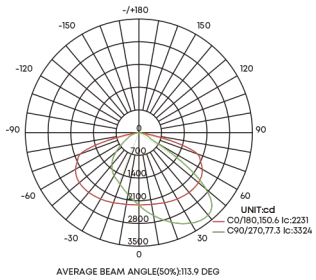
T201 (85*150°)



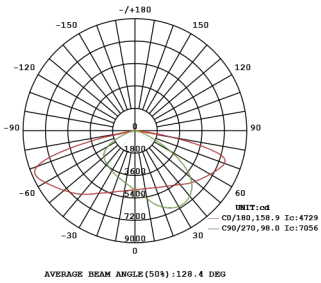
T202 (70*155°)



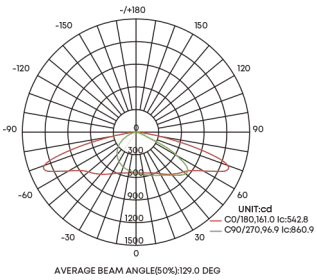
T211 (110*155°)



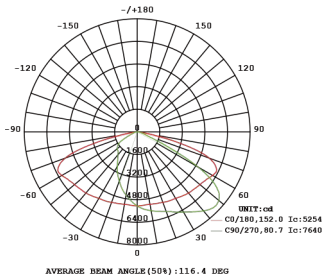
T221 (75*150°)



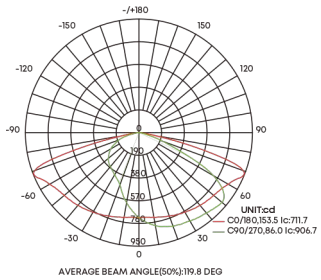
T231 (100*160°)



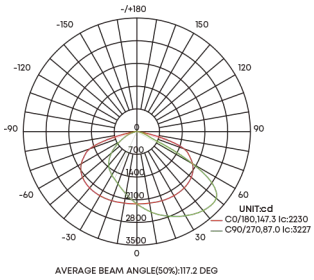
T301 (100*160°)



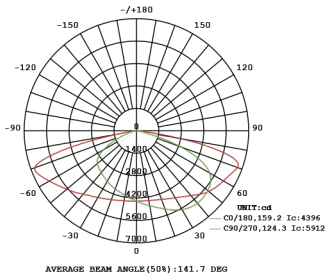
T302 (80*150°)



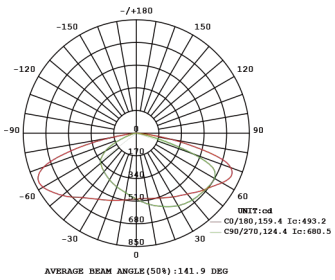
T311 (90*150°)



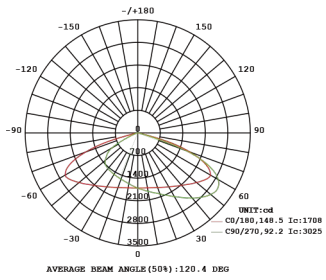
T321 (100*145°)



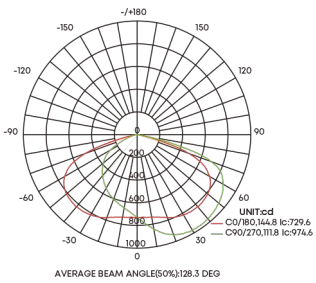
T331 (120*160°)



T401 (125*160°)

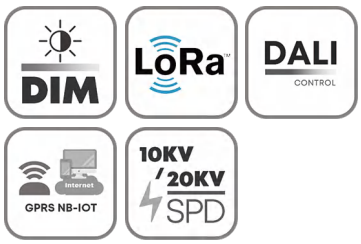


T402 (90*150°)



T411 (115*145°)

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.

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Innovative & Tailored Lighting Solutions for **Success**

WARRANTY

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

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