

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



High Lumen Output

Up to **54,000** lm

# ILA Series LED Street Light

Power: 20W - 300W



Innovative & Tailored  
Lighting Solutions for **Success**  
[www.aokledlight.com](http://www.aokledlight.com)

# New Generation **ILA** Street Light



## Reasons for **opting** ILA Series

-  Tool-less opening, lower maintenance costs
-  Long lifespan, reliable performance stability
-  Higher brightness and better distribution enhance road safety
-  Energy-saving and eco-friendly, saving project expenses
-  Smart control ready for efficient management



Auto Cut-off



5G Test Rating



Tempered Glass



Self-Clean Cover



DALI Control



Photocell



Casambi  
Supported



Zhaga  
Supported



Smart Control  
Ready



Solar Power  
Optional

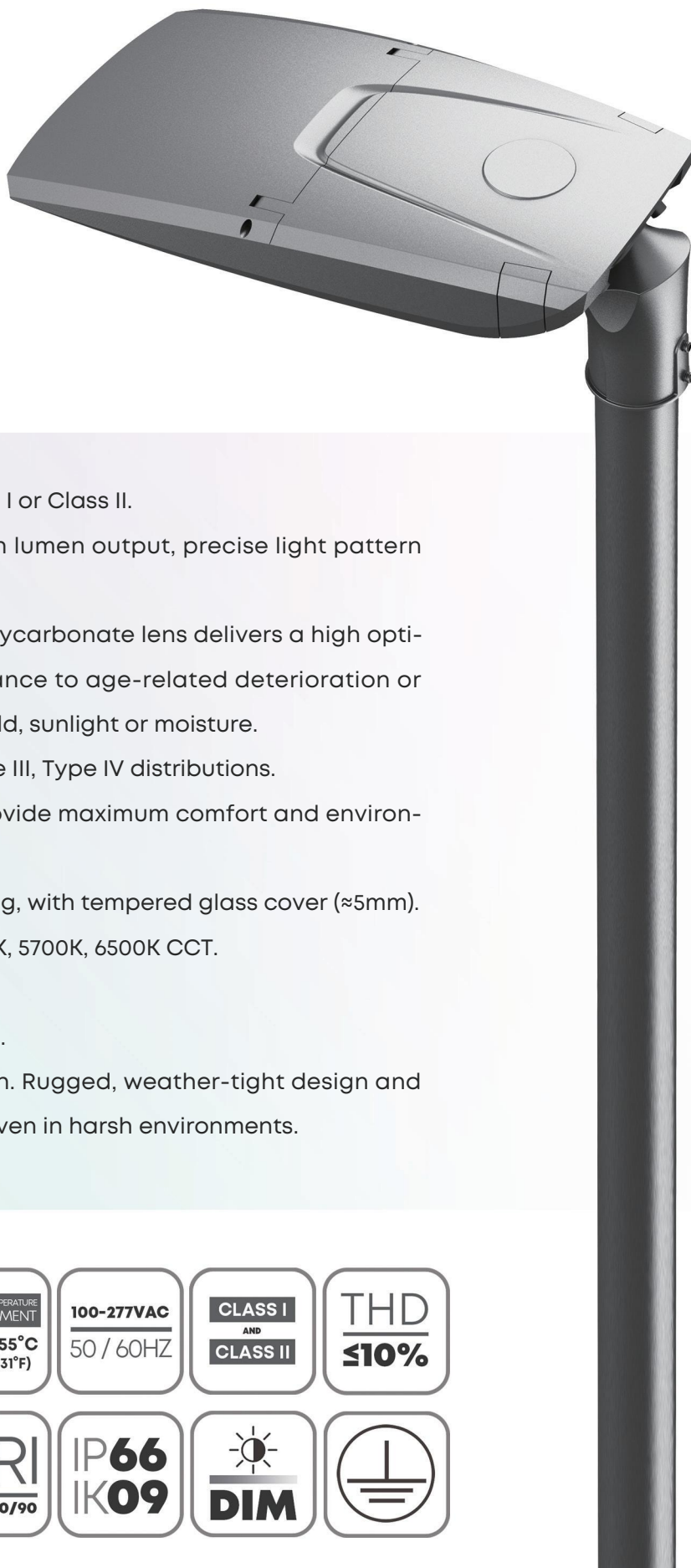


WARRANTY

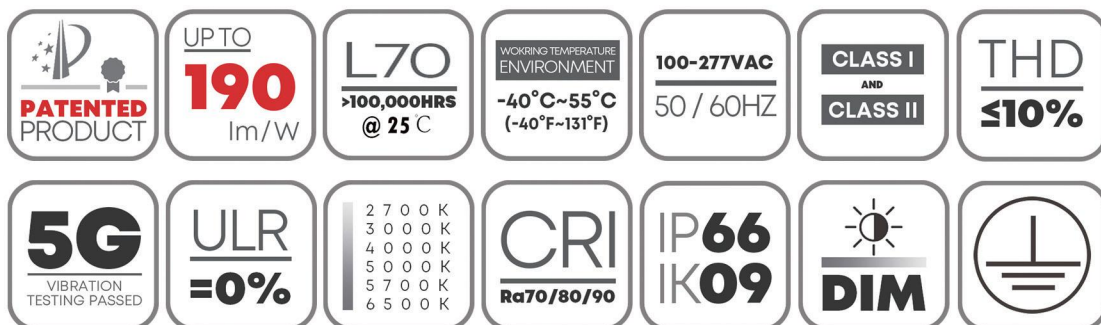
5 Year Limited Warranty,  
10 Year Preferred Warranty.  
Please consult with our sales for detailed agreement.



For others & details  
please request



- Power range: from 20W to 300W, Class I or Class II.
- System efficiency up to 190lm/W, high lumen output, precise light pattern ensures more energy saved.
- Premium optical-grade Mitsubishi polycarbonate lens delivers a high optical efficiency and has superior resistance to age-related deterioration or environmental threats such as heat, cold, sunlight or moisture.
- Micro-lens systems IESNA Type II, Type III, Type IV distributions.
- Excellent uniformity and low glare provide maximum comfort and environmental friendliness.
- Optical systems maintain an IP66 rating, with tempered glass cover (≈5mm).
- Available in 2700K, 3000K, 4000K, 5000K, 5700K, 6500K CCT.
- ULOR =0%, no up-light pollution.
- CRI of 70 Ra, 80 Ra, and 90 Ra optional.
- Anti-UV thermosetting polyester finish. Rugged, weather-tight design and 5G Vibration ratings ensure durability even in harsh environments.



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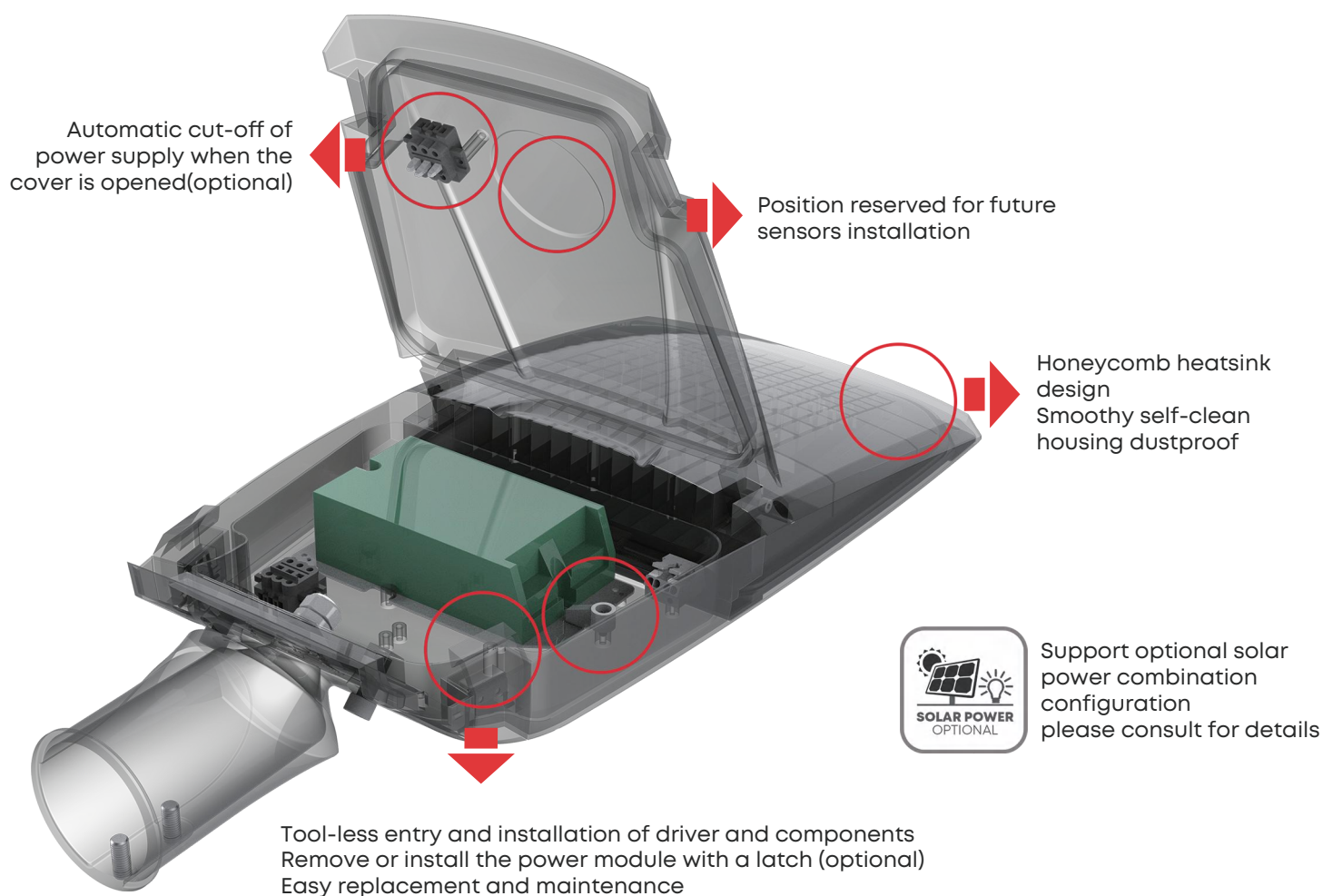
**AOK**<sup>®</sup>  
Quality, Honesty, Service and Innovation

# Tool-less Cover Opening

## Lower Maintenance Costs



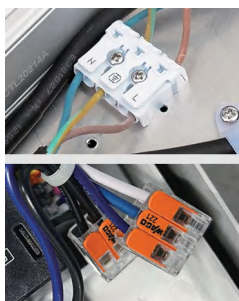
The streamlined design of ILA series street lights improves wind resistance. Its user-friendly maintenance and replacement design cut fixture maintenance costs, reducing both personnel and financial investments significantly.



· Dual-layer structure design, enhanced water resistance.



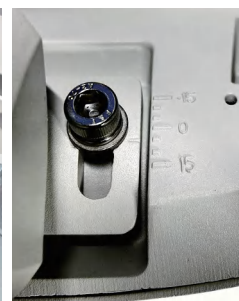
· High quality silicone gasket, improved sealing performance.



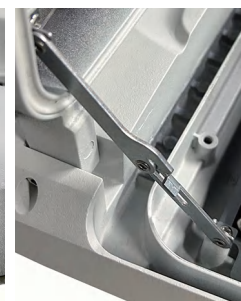
· High-quality terminal wiring ensures reliability and safety. (Optional)



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



· Adjustable bracket  $\pm 15$  degrees.



· Support rod for convenient maintenance. (Optional)



## Superior LED Module

Animals & Insects Friendly  
**2200K-2700K**  
CCT available

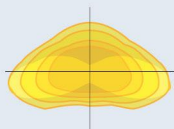
Choose between LEDs in 3030 or 5050 solutions for uniform street light distribution.

Customize for common or private mode light distribution as needed.

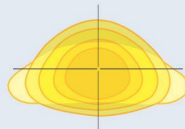


No photo-biological risk (no risk associated with infrared, blue light, or UV radiation), in compliance with **EN 62471:2008**.

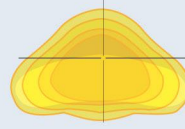
TYPE II (T201)  
(85°\*150°)



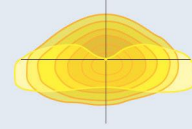
TYPE II (T211)  
(110°\*155°)



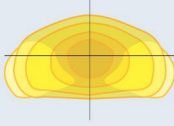
TYPE II (T221)  
(75°\*150°)



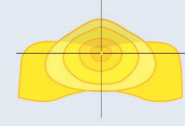
TYPE II (T231)  
(100°\*160°)



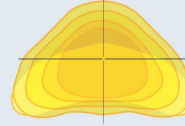
TYPE III (T301)  
(100°\*160°)



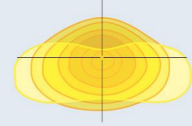
TYPE III (T311)  
(90°\*150°)



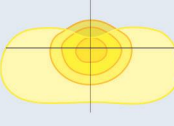
TYPE III (T321)  
(100°\*145°)



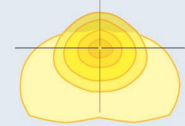
TYPE III (T331)  
(120°\*160°)



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.

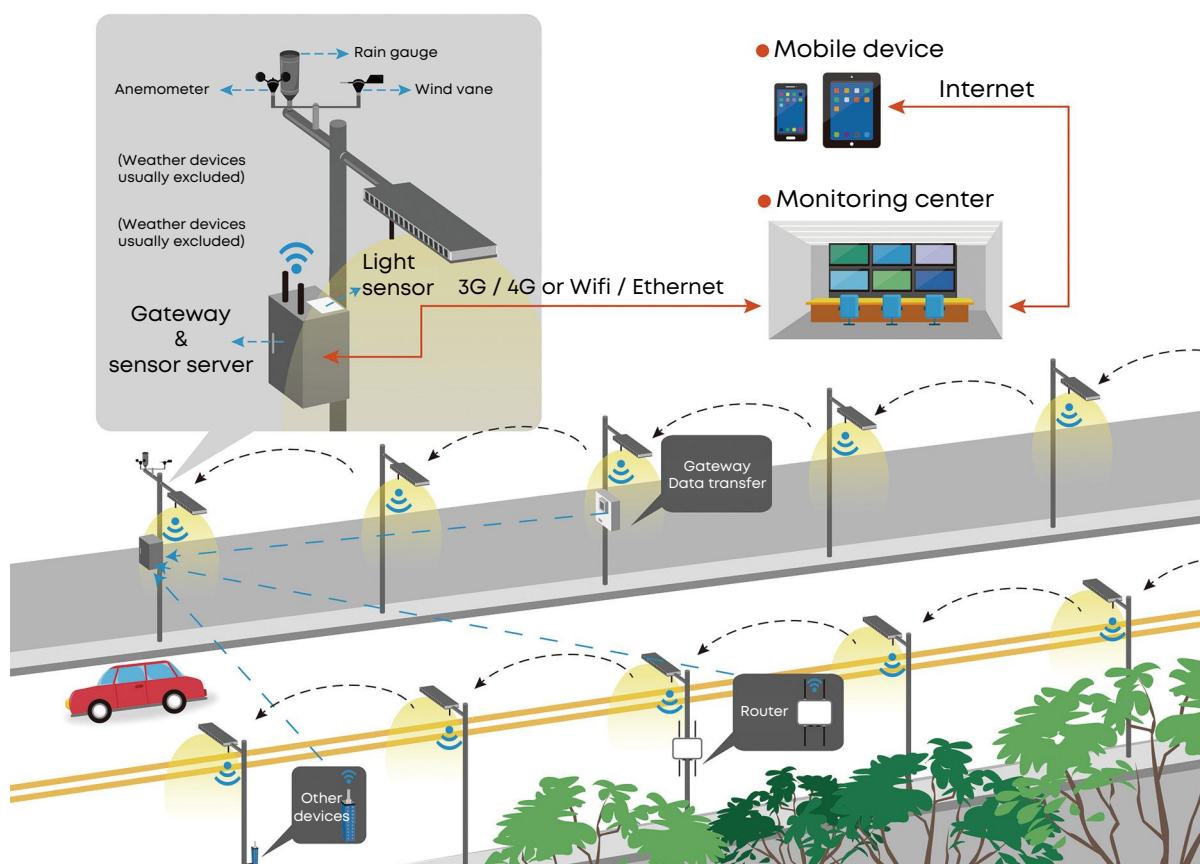
# Smart Control Ready For Efficient Management



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

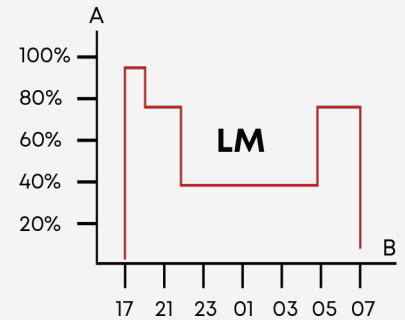


## Typical IoT **Demonstration**



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

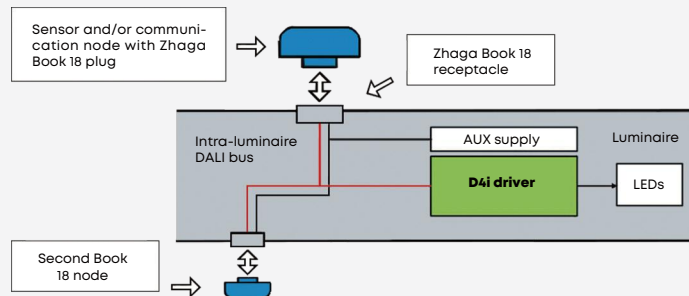


## Smart standards. Smarter lighting.

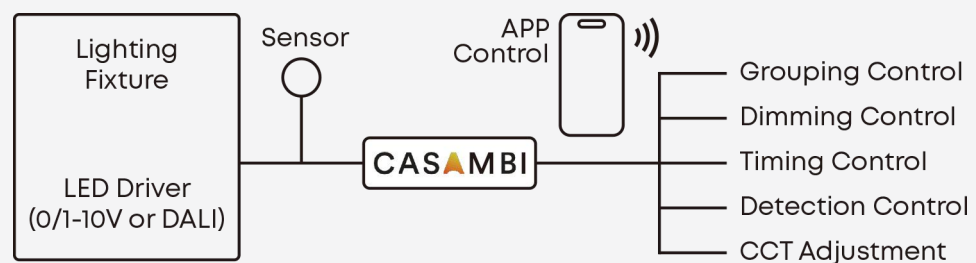
LoRaWAN® Luminaire Controller Zhaga is a wireless device for remote LED luminaire control with a Zhaga-compliant connector and DALI interface. It's compatible with LoRaWAN®, NB-IoT, and LTE-M networks, featuring a modern, compact design suitable for various street lighting modules.

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)

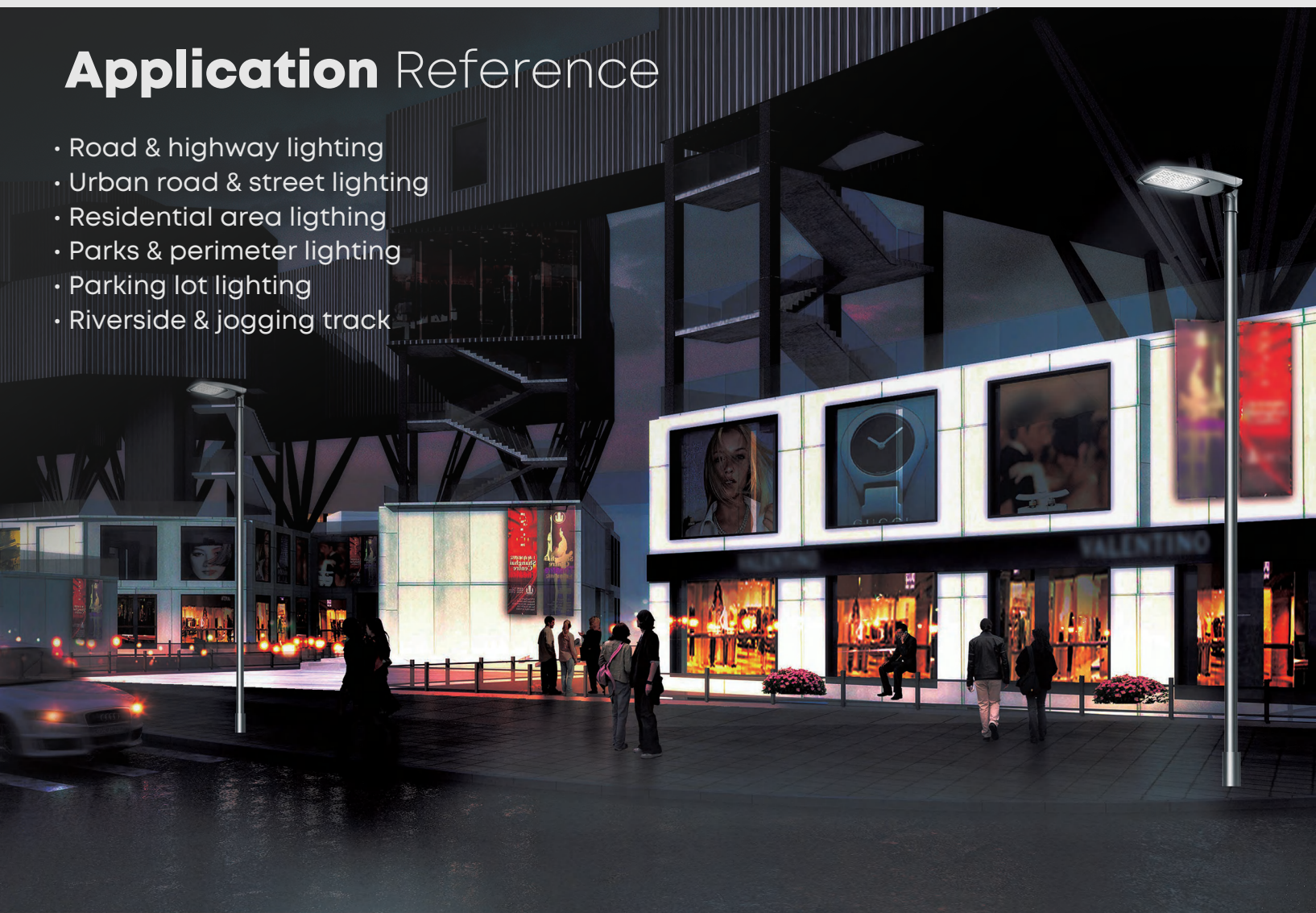


## Casambi Ready (optional)

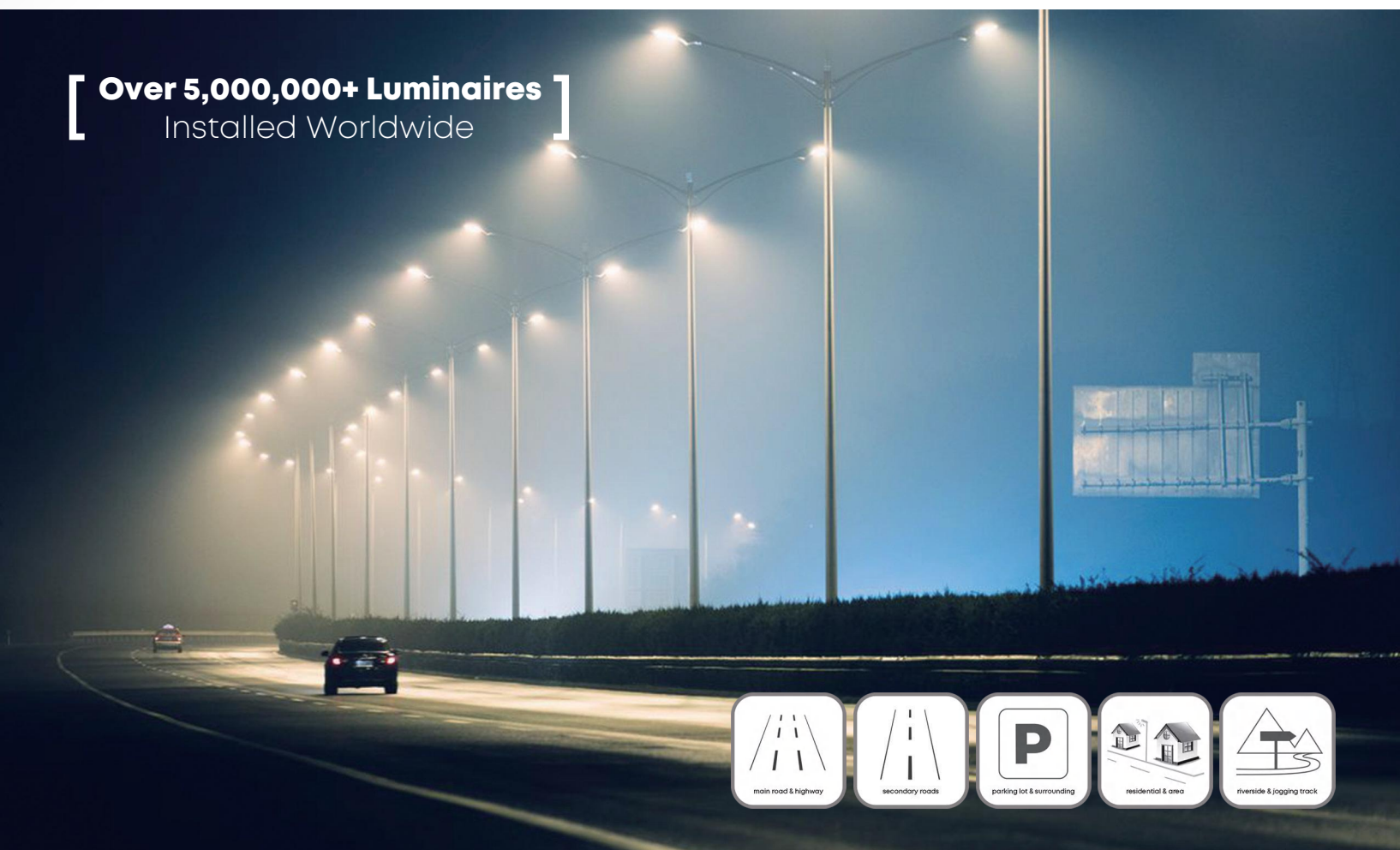


# Application Reference

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



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



Parameter Table

| Electrical Specifications                                |                                                                                                                                                                |         |            |         |            |         |            |  |            |  |  |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|---------|------------|---------|------------|--|------------|--|--|
| Model                                                    | AOK-20WILA                                                                                                                                                     |         | AOK-30WILA |         | AOK-40WILA |         | AOK-50WILA |  | AOK-60WILA |  |  |
| Power(W)                                                 | 20W                                                                                                                                                            |         | 30W        |         | 40W        |         | 50W        |  | 60W        |  |  |
| Input Voltage                                            | 100-277Vac, 50/60Hz                                                                                                                                            |         |            |         |            |         |            |  |            |  |  |
| THD(220Vac)                                              | ≤10%                                                                                                                                                           |         |            |         |            |         |            |  |            |  |  |
| PF(220Vac)                                               | ≥0.95                                                                                                                                                          |         | ≥0.95      |         | ≥0.95      |         | ≥0.95      |  | ≥0.95      |  |  |
| Driver Brand                                             | Inventronics/Class 1, (Sosen, Philips, OSRAM, Moso) / Class 1, Class 2, EU                                                                                     |         |            |         |            |         |            |  |            |  |  |
| Ambient Temperature                                      | -40°C to 55°C (-40 °F to 131 °F)                                                                                                                               |         |            |         |            |         |            |  |            |  |  |
| Storage Temperature                                      | -40°C to 80°C (-40 °F to 176 °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 Specifications                               |                                                                                                                                                                |         |            |         |            |         |            |  |            |  |  |
| Efficacy(lm/W)<br>(CRI 70Ra, 5000K)<br>(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)<br>(CRI 70Ra, 5000K)<br>(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 |            |  |            |  |  |
| ULOR                                                     | = 0%, @ Luminaire inclination 0°                                                                                                                               |         |            |         |            |         |            |  |            |  |  |
| CCT                                                      | 2700K, 3000K, 4000K, 5000K, 5700K, 6500K                                                                                                                       |         |            |         |            |         |            |  |            |  |  |
| CRI                                                      | 70Ra, 80Ra, 90Ra                                                                                                                                               |         |            |         |            |         |            |  |            |  |  |
| 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 Specifications                                |                                                                                                                                                                |         |            |         |            |         |            |  |            |  |  |
| IP/IK                                                    | IP66/IK09, according to standard EN 60529 and EN 62262                                                                                                         |         |            |         |            |         |            |  |            |  |  |
| Vibration Resistance                                     | 3G, conform to standard IEC 68-2-6.                                                                                                                            |         |            |         |            |         |            |  |            |  |  |
| SCx (EPA)                                                | 0.0914m² (top view), 0.029m² (side view)                                                                                                                       |         |            |         |            |         |            |  |            |  |  |
| Materials                                                | Heavy-duty die-cast aluminum (ADC12)                                                                                                                           |         |            |         |            |         |            |  |            |  |  |
| Surface Treatment                                        | Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).                             |         |            |         |            |         |            |  |            |  |  |
| Painting                                                 | RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request                                                                                                  |         |            |         |            |         |            |  |            |  |  |
| Cable                                                    | Pre-wired with a 50 cm cable (Other lengths on request)                                                                                                        |         |            |         |            |         |            |  |            |  |  |
| Mounting                                                 | Post Top/Side Entry                                                                                                                                            |         |            |         |            |         |            |  |            |  |  |
| Others                                                   |                                                                                                                                                                |         |            |         |            |         |            |  |            |  |  |
| Lifespan                                                 | L70 > 100000hrs, @Ta 25°C                                                                                                                                      |         |            |         |            |         |            |  |            |  |  |
| Warranty                                                 | 5 years in standard, 10 years optional                                                                                                                         |         |            |         |            |         |            |  |            |  |  |
| Certification                                            | CE, RoHS,For other certificates please request                                                                                                                 |         |            |         |            |         |            |  |            |  |  |
| Product Size                                             | 537*210*88mm / 21.14*8.27*3.46 inches                                                                                                                          |         |            |         |            |         |            |  |            |  |  |
| Net Weight                                               | 3.4kg / 7.50 lbs                                                                                                                                               |         |            |         |            |         |            |  |            |  |  |
| Carton Size                                              | 590*255*145mm / 23.23*10.04*5.71inches                                                                                                                         |         |            |         |            |         |            |  |            |  |  |
| Gross Weight                                             | 4.3kg / 9.48 lbs                                                                                                                                               |         |            |         |            |         |            |  |            |  |  |
| Recommend Installation Height                            | General 4-12m, based on actual project requirements                                                                                                            |         |            |         |            |         |            |  |            |  |  |
| Application Field                                        | Road & highway, urban road & street, residential area, parks, parking lot, riverside & jogging track                                                           |         |            |         |            |         |            |  |            |  |  |
| Standard Accessories                                     | Standard SPD 10kV (EU)                                                                                                                                         |         |            |         |            |         |            |  |            |  |  |
| Optional Accessories                                     | Lid support, Circuit breaker,SPD 20KV, Breather vent, Nema photoelectric control socket, Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor. |         |            |         |            |         |            |  |            |  |  |
| Important Note!                                          | The provided information is solely for reference; the official measurement report holds higher authority.                                                      |         |            |         |            |         |            |  |            |  |  |

Parameter Table

| Electrical Specifications                                   |                                                                                                                                                                |         |            |         |            |         |             |  |             |                                                |  |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|---------|------------|---------|-------------|--|-------------|------------------------------------------------|--|
| Model                                                       | AOK-70WILA                                                                                                                                                     |         | AOK-80WILA |         | AOK-90WILA |         | AOK-100WILA |  | AOK-110WILA |                                                |  |
| Power(W)                                                    | 70W                                                                                                                                                            |         | 80W        |         | 90W        |         | 100W        |  | 110W        |                                                |  |
| Input Voltage                                               | 100-277Vac, 50/60Hz                                                                                                                                            |         |            |         |            |         |             |  |             |                                                |  |
| THD(220Vac)                                                 | ≤10%                                                                                                                                                           |         |            |         |            |         |             |  |             |                                                |  |
| PF(220Vac)                                                  | ≥0.95                                                                                                                                                          |         | ≥0.95      |         | ≥0.95      |         | ≥0.95       |  | ≥0.95       |                                                |  |
| Driver Brand                                                | Inventronics/Class 1, (Sosen, Philips, OSRAM, Moso) / Class 1, Class 2, EU                                                                                     |         |            |         |            |         |             |  |             | Sosen, Philips, OSRAM, Moso / Class 1, Class 2 |  |
| Ambient Temperature                                         | -40°C to 55°C (-40 °F to 131 °F)                                                                                                                               |         |            |         |            |         |             |  |             |                                                |  |
| Storage Temperature                                         | -40°C to 80°C (-40 °F to 176 °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 Specifications                                  |                                                                                                                                                                |         |            |         |            |         |             |  |             |                                                |  |
| Efficacy(lm/W)<br>(CRI 70Ra, 5000K)<br>(Std Dev ±5%)        | T201-12in1 (85°150°)                                                                                                                                           | 147lm/W | 144lm/W    | 141lm/W | 135lm/W    | 132lm/W |             |  |             |                                                |  |
|                                                             | T211-12in1 (110°155°)                                                                                                                                          | 147lm/W | 144lm/W    | 141lm/W | 135lm/W    | 132lm/W |             |  |             |                                                |  |
|                                                             | T301-12in1 (100°160°)                                                                                                                                          | 142lm/W | 139lm/W    | 136lm/W | 130lm/W    | 127lm/W |             |  |             |                                                |  |
|                                                             | T311-12in1 (90°150°)                                                                                                                                           | 147lm/W | 144lm/W    | 141lm/W | 135lm/W    | 132lm/W |             |  |             |                                                |  |
|                                                             | T411-12in1 (115°145°)                                                                                                                                          | 147lm/W | 144lm/W    | 141lm/W | 135lm/W    | 132lm/W |             |  |             |                                                |  |
|                                                             | T221-16in1 (75°150°)                                                                                                                                           | 154lm/W | 151lm/W    | 148lm/W | 145lm/W    | 142lm/W |             |  |             |                                                |  |
|                                                             | T321-16in1 (100°145°)                                                                                                                                          | 154lm/W | 151lm/W    | 148lm/W | 145lm/W    | 142lm/W |             |  |             |                                                |  |
|                                                             | T231-24in1 (100°160°)                                                                                                                                          | 158lm/W | 156lm/W    | 154lm/W | 152lm/W    | 150lm/W |             |  |             |                                                |  |
|                                                             | T331-24in1 (120°160°)                                                                                                                                          | 158lm/W | 156lm/W    | 154lm/W | 152lm/W    | 150lm/W |             |  |             |                                                |  |
|                                                             | T401-24in1 (125°160°)                                                                                                                                          | 158lm/W | 156lm/W    | 154lm/W | 152lm/W    | 150lm/W |             |  |             |                                                |  |
|                                                             | T231-24in1-Pro (100°160°)                                                                                                                                      | 164lm/W | 162lm/W    | 160lm/W | 158lm/W    | 155lm/W |             |  |             |                                                |  |
|                                                             | T331-24in1-Pro (120°160°)                                                                                                                                      | 164lm/W | 162lm/W    | 160lm/W | 158lm/W    | 155lm/W |             |  |             |                                                |  |
|                                                             | T401-24in1-Pro (125°160°)                                                                                                                                      | 164lm/W | 162lm/W    | 160lm/W | 158lm/W    | 155lm/W |             |  |             |                                                |  |
|                                                             | T2/T3@Seoul 5050                                                                                                                                               | 163lm/W | 162lm/W    | 161lm/W | 160lm/W    | 159lm/W |             |  |             |                                                |  |
|                                                             | T2/T3/T5@A5050                                                                                                                                                 | 190lm/W | 188lm/W    | 187lm/W | 186lm/W    | 185lm/W |             |  |             |                                                |  |
| Luminous flux<br>(lm)<br>(CRI 70Ra, 5000K)<br>(Std Dev ±5%) | T201-12in1 (85°150°)                                                                                                                                           | 10290lm | 11520lm    | 12690lm | 13500lm    | 14520lm |             |  |             |                                                |  |
|                                                             | T211-12in1 (110°155°)                                                                                                                                          | 10290lm | 11520lm    | 12690lm | 13500lm    | 14520lm |             |  |             |                                                |  |
|                                                             | T301-12in1 (100°160°)                                                                                                                                          | 9940lm  | 11120lm    | 12240lm | 13000lm    | 13970lm |             |  |             |                                                |  |
|                                                             | T311-12in1 (90°150°)                                                                                                                                           | 10290lm | 11520lm    | 12690lm | 13500lm    | 14520lm |             |  |             |                                                |  |
|                                                             | T411-12in1 (115°145°)                                                                                                                                          | 10290lm | 11520lm    | 12690lm | 13500lm    | 14520lm |             |  |             |                                                |  |
|                                                             | T221-16in1 (75°150°)                                                                                                                                           | 10780lm | 12080lm    | 13320lm | 14500lm    | 15620lm |             |  |             |                                                |  |
|                                                             | T321-16in1 (100°145°)                                                                                                                                          | 10780lm | 12080lm    | 13320lm | 14500lm    | 15620lm |             |  |             |                                                |  |
|                                                             | T231-24in1 (100°160°)                                                                                                                                          | 11060lm | 12480lm    | 13860lm | 15200lm    | 16500lm |             |  |             |                                                |  |
|                                                             | T331-24in1 (120°160°)                                                                                                                                          | 11060lm | 12480lm    | 13860lm | 15200lm    | 16500lm |             |  |             |                                                |  |
|                                                             | T401-24in1 (125°160°)                                                                                                                                          | 11060lm | 12480lm    | 13860lm | 15200lm    | 16500lm |             |  |             |                                                |  |
|                                                             | T231-24in1-Pro (100°160°)                                                                                                                                      | 11480lm | 12960lm    | 14400lm | 15800lm    | 17050lm |             |  |             |                                                |  |
|                                                             | T331-24in1-Pro (120°160°)                                                                                                                                      | 11480lm | 12960lm    | 14400lm | 15800lm    | 17050lm |             |  |             |                                                |  |
|                                                             | T401-24in1-Pro (125°160°)                                                                                                                                      | 11480lm | 12960lm    | 14400lm | 15800lm    | 17050lm |             |  |             |                                                |  |
|                                                             | T2/T3@Seoul 5050                                                                                                                                               | 11410lm | 12960lm    | 14490lm | 16000lm    | 17490lm |             |  |             |                                                |  |
|                                                             | T2/T3/T5@A5050                                                                                                                                                 | 13300lm | 15040lm    | 16830lm | 18600lm    | 20350lm |             |  |             |                                                |  |
| ULOR                                                        | = 0%, @ Luminaire inclination 0°                                                                                                                               |         |            |         |            |         |             |  |             |                                                |  |
| CCT                                                         | 2700K, 3000K, 4000K, 5000K, 5700K, 6500K                                                                                                                       |         |            |         |            |         |             |  |             |                                                |  |
| CRI                                                         | 70Ra, 80Ra, 90Ra                                                                                                                                               |         |            |         |            |         |             |  |             |                                                |  |
| 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 Specifications                                   |                                                                                                                                                                |         |            |         |            |         |             |  |             |                                                |  |
| IP/IK                                                       | IP66/IK09, according to standard EN 60529 and EN 62262                                                                                                         |         |            |         |            |         |             |  |             |                                                |  |
| Vibration Resistance                                        | 3G, conform to standard IEC 68-2-6.                                                                                                                            |         |            |         |            |         |             |  |             |                                                |  |
| SCx (EPA)                                                   | 0.103m² (top view), 0.031m² (side view)                                                                                                                        |         |            |         |            |         |             |  |             |                                                |  |
| Materials                                                   | Heavy-duty die-cast aluminum (ADC12)                                                                                                                           |         |            |         |            |         |             |  |             |                                                |  |
| Surface Treatment                                           | Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).                             |         |            |         |            |         |             |  |             |                                                |  |
| Painting                                                    | RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request                                                                                                  |         |            |         |            |         |             |  |             |                                                |  |
| Cable                                                       | Pre-wired with a 50 cm cable (Other lengths on request)                                                                                                        |         |            |         |            |         |             |  |             |                                                |  |
| Mounting                                                    | Post Top/Side Entry                                                                                                                                            |         |            |         |            |         |             |  |             |                                                |  |
| Others                                                      |                                                                                                                                                                |         |            |         |            |         |             |  |             |                                                |  |
| Lifespan                                                    | L70 > 100000hrs, @Ta 25°C                                                                                                                                      |         |            |         |            |         |             |  |             |                                                |  |
| Warranty                                                    | 5 years in standard, 10 years optional                                                                                                                         |         |            |         |            |         |             |  |             |                                                |  |
| Certification                                               | CE, RoHS,For other certificates please request                                                                                                                 |         |            |         |            |         |             |  |             |                                                |  |
| Product Size                                                | 567*228*88mm / 22.32*8.98*3.46 inches                                                                                                                          |         |            |         |            |         |             |  |             |                                                |  |
| Net Weight                                                  | 4kg / 8.82 lbs                                                                                                                                                 |         |            |         |            |         |             |  |             |                                                |  |
| Carton Size                                                 | 620*265*145mm / 24.41*10.43*5.71 inches                                                                                                                        |         |            |         |            |         |             |  |             |                                                |  |
| Gross Weight                                                | 5kg / 11.02 lbs                                                                                                                                                |         |            |         |            |         |             |  |             |                                                |  |
| Recommend Installation Height                               | General 4-12m, based on actual project requirements                                                                                                            |         |            |         |            |         |             |  |             |                                                |  |
| Application Field                                           | Road & highway, urban road & street, residential area, parks, parking lot, riverside & jogging track                                                           |         |            |         |            |         |             |  |             |                                                |  |
| Standard Accessories                                        | Standard SPD 10kV (EU)                                                                                                                                         |         |            |         |            |         |             |  |             |                                                |  |
| Optional Accessories                                        | Lid support, Circuit breaker,SPD 20KV, Breather vent, Nema photoelectric control socket, Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor. |         |            |         |            |         |             |  |             |                                                |  |
| Important Note!                                             | The provided information is solely for reference; the official measurement report holds higher authority.                                                      |         |            |         |            |         |             |  |             |                                                |  |

## Parameter Table

| Electrical Specifications                                   |                           |                                                                                                                                                                |             |             |             |             |                                                |             |             |
|-------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|------------------------------------------------|-------------|-------------|
| Model                                                       |                           | AOK-120WILA                                                                                                                                                    | AOK-130WILA | AOK-140WILA | AOK-150WILA | AOK-160WILA | AOK-170WILA                                    | AOK-180WILA | AOK-200WILA |
| Power(W)                                                    |                           | 120W                                                                                                                                                           | 130W        | 140W        | 150W        | 160W        | 170W                                           | 180W        | 200W        |
| Input Voltage                                               |                           | 100-277Vac, 50/60Hz                                                                                                                                            |             |             |             |             |                                                |             |             |
| THD(220Vac)                                                 |                           | ≤10%                                                                                                                                                           |             |             |             |             |                                                |             |             |
| PF(220Vac)                                                  |                           | ≥0.95                                                                                                                                                          | ≥0.95       | ≥0.95       | ≥0.95       | ≥0.95       | ≥0.95                                          | ≥0.95       | ≥0.95       |
| Driver Brand                                                |                           | Inventronics/Class 1, (Sosen, Philips, OSRAM, Moso) / Class 1, Class 2, EU                                                                                     |             |             |             |             | Sosen, Philips, OSRAM, Moso / Class 1, Class 2 |             |             |
| Ambient Temperature                                         |                           | -40°C to 55°C (-40 °F to 131 °F)                                                                                                                               |             |             |             |             | -40°C to 45°C (-40 °F to 113 °F)               |             |             |
| Storage Temperature                                         |                           | -40°C to 80°C (-40 °F to 176 °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 Specifications                                  |                           |                                                                                                                                                                |             |             |             |             |                                                |             |             |
| Efficacy(lm/W)<br>(CRI 70Ra, 5000K)<br>(Std Dev ±5%)        | T201-12inI (85°150°)      | 146lm/W                                                                                                                                                        | 143lm/W     | 142lm/W     | 141lm/W     | none        | none                                           | none        | none        |
|                                                             | T211-12inI (110°155°)     | 146lm/W                                                                                                                                                        | 143lm/W     | 142lm/W     | 141lm/W     | none        | none                                           | none        | none        |
|                                                             | T301-12inI (100°160°)     | 141lm/W                                                                                                                                                        | 138lm/W     | 137lm/W     | 136lm/W     | none        | none                                           | none        | none        |
|                                                             | T311-12inI (90°150°)      | 146lm/W                                                                                                                                                        | 143lm/W     | 142lm/W     | 141lm/W     | none        | none                                           | none        | none        |
|                                                             | T411-12inI (115°145°)     | 146lm/W                                                                                                                                                        | 143lm/W     | 142lm/W     | 141lm/W     | none        | none                                           | none        | none        |
|                                                             | T221-16inI (75°150°)      | 153lm/W                                                                                                                                                        | 150lm/W     | 147lm/W     | 144lm/W     | 141lm/W     | 138lm/W                                        | 135lm/W     | none        |
|                                                             | T321-16inI (100°145°)     | 153lm/W                                                                                                                                                        | 150lm/W     | 147lm/W     | 144lm/W     | 141lm/W     | 138lm/W                                        | 135lm/W     | none        |
|                                                             | T231-24inI (100°160°)     | 158lm/W                                                                                                                                                        | 157lm/W     | 155lm/W     | 154lm/W     | 150lm/W     | 147lm/W                                        | 143lm/W     | none        |
|                                                             | T331-24inI (120°160°)     | 158lm/W                                                                                                                                                        | 157lm/W     | 155lm/W     | 154lm/W     | 150lm/W     | 147lm/W                                        | 143lm/W     | none        |
|                                                             | T401-24inI (125°160°)     | 158lm/W                                                                                                                                                        | 157lm/W     | 155lm/W     | 154lm/W     | 150lm/W     | 147lm/W                                        | 143lm/W     | none        |
|                                                             | T231-24inI-Pro (100°160°) | 164lm/W                                                                                                                                                        | 163lm/W     | 161lm/W     | 160lm/W     | 156lm/W     | 153lm/W                                        | 150lm/W     | none        |
|                                                             | T331-24inI-Pro (120°160°) | 164lm/W                                                                                                                                                        | 163lm/W     | 161lm/W     | 160lm/W     | 156lm/W     | 153lm/W                                        | 150lm/W     | none        |
|                                                             | T401-24inI-Pro (125°160°) | 164lm/W                                                                                                                                                        | 163lm/W     | 161lm/W     | 160lm/W     | 156lm/W     | 153lm/W                                        | 150lm/W     | none        |
|                                                             | T2/T3@Seoul 5050          | 161lm/W                                                                                                                                                        | 160lm/W     | 159lm/W     | 158lm/W     | 157lm/W     | 156lm/W                                        | 155lm/W     | 154lm/W     |
| T2/T3/T5@A5050                                              | 187lm/W                   | 186lm/W                                                                                                                                                        | 185lm/W     | 184lm/W     | 182lm/W     | 181lm/W     | 180lm/W                                        | 177lm/W     |             |
| Luminous flux<br>(lm)<br>(CRI 70Ra, 5000K)<br>(Std Dev ±5%) | T201-12inI (85°150°)      | 17520lm                                                                                                                                                        | 18590lm     | 19880lm     | 21150lm     | none        | none                                           | none        | none        |
|                                                             | T211-12inI (110°155°)     | 17520lm                                                                                                                                                        | 18590lm     | 19880lm     | 21150lm     | none        | none                                           | none        | none        |
|                                                             | T301-12inI (100°160°)     | 16920lm                                                                                                                                                        | 17940lm     | 19180lm     | 20400lm     | none        | none                                           | none        | none        |
|                                                             | T311-12inI (90°150°)      | 17520lm                                                                                                                                                        | 18590lm     | 19880lm     | 21150lm     | none        | none                                           | none        | none        |
|                                                             | T411-12inI (115°145°)     | 17520lm                                                                                                                                                        | 18590lm     | 19880lm     | 21150lm     | none        | none                                           | none        | none        |
|                                                             | T221-16inI (75°150°)      | 18360lm                                                                                                                                                        | 19500lm     | 20580lm     | 21600lm     | 22560lm     | 23460lm                                        | 24300lm     | none        |
|                                                             | T321-16inI (100°145°)     | 18360lm                                                                                                                                                        | 19500lm     | 20580lm     | 21600lm     | 22560lm     | 23460lm                                        | 24300lm     | none        |
|                                                             | T231-24inI (100°160°)     | 18960lm                                                                                                                                                        | 20410lm     | 21700lm     | 23100lm     | 24000lm     | 24990lm                                        | 25740lm     | none        |
|                                                             | T331-24inI (120°160°)     | 18960lm                                                                                                                                                        | 20410lm     | 21700lm     | 23100lm     | 24000lm     | 24990lm                                        | 25740lm     | none        |
|                                                             | T401-24inI (125°160°)     | 18960lm                                                                                                                                                        | 20410lm     | 21700lm     | 23100lm     | 24000lm     | 24990lm                                        | 25740lm     | none        |
|                                                             | T231-24inI-Pro (100°160°) | 19680lm                                                                                                                                                        | 21190lm     | 22540lm     | 24000lm     | 24960lm     | 26010lm                                        | 27000lm     | none        |
|                                                             | T331-24inI-Pro (120°160°) | 19680lm                                                                                                                                                        | 21190lm     | 22540lm     | 24000lm     | 24960lm     | 26010lm                                        | 27000lm     | none        |
|                                                             | T401-24inI-Pro (125°160°) | 19680lm                                                                                                                                                        | 21190lm     | 22540lm     | 24000lm     | 24960lm     | 26010lm                                        | 27000lm     | none        |
|                                                             | T2/T3@Seoul 5050          | 19320lm                                                                                                                                                        | 20800lm     | 22260lm     | 23700lm     | 25120lm     | 26520lm                                        | 27900lm     | 30800lm     |
| T2/T3/T5@A5050                                              | 22440lm                   | 24180lm                                                                                                                                                        | 25900lm     | 27600lm     | 29120lm     | 30770lm     | 32400lm                                        | 35400lm     |             |
| ULOR                                                        |                           | = 0%, @ Luminaire inclination 0°                                                                                                                               |             |             |             |             |                                                |             |             |
| CCT                                                         |                           | 2700K, 3000K, 4000K, 5000K, 5700K, 6500K                                                                                                                       |             |             |             |             |                                                |             |             |
| CRI                                                         |                           | 70Ra, 80Ra, 90Ra                                                                                                                                               |             |             |             |             |                                                |             |             |
| 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 Specifications                                   |                           |                                                                                                                                                                |             |             |             |             |                                                |             |             |
| IP/IK                                                       |                           | IP66/IK08, according to standard EN 60529 and EN 62262                                                                                                         |             |             |             |             |                                                |             |             |
| Vibration Resistance                                        |                           | 3G, conform to standard IEC 68-2-6.                                                                                                                            |             |             |             |             |                                                |             |             |
| SCx (EPA)                                                   |                           | 0.134m² (top view), 0.035m² (side view)                                                                                                                        |             |             |             |             |                                                |             |             |
| Materials                                                   |                           | Heavy-duty die-cast aluminum (ADC12)                                                                                                                           |             |             |             |             |                                                |             |             |
| Surface Treatment                                           |                           | Anti-UV thermosetting polyester / 80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).                             |             |             |             |             |                                                |             |             |
| Painting                                                    |                           | RAL 9005 Black, RAL 9006 Silver, RAL 9007gray, Custom request                                                                                                  |             |             |             |             |                                                |             |             |
| Cable                                                       |                           | Pre-wired with a 50 cm cable (Other lengths on request)                                                                                                        |             |             |             |             |                                                |             |             |
| Mounting                                                    |                           | Post Top/Side Entry                                                                                                                                            |             |             |             |             |                                                |             |             |
| Others                                                      |                           |                                                                                                                                                                |             |             |             |             |                                                |             |             |
| Lifespan                                                    |                           | L70 >100000hrs, @Ta 25°C                                                                                                                                       |             |             |             |             |                                                |             |             |
| Warranty                                                    |                           | 5 years in standard, 10 years optional                                                                                                                         |             |             |             |             |                                                |             |             |
| Certification                                               |                           | CE, RoHS.For other certificates please request                                                                                                                 |             |             |             |             |                                                |             |             |
| Product Size                                                |                           | 632*259*89mm / 24.88*10.2*3.5 inches                                                                                                                           |             |             |             |             |                                                |             |             |
| Net Weight                                                  |                           | 6.0kg / 13.23 lbs                                                                                                                                              |             |             |             |             |                                                |             |             |
| Carton Size                                                 |                           | 695*310*150mm / 27.36*12.2*5.91 inches                                                                                                                         |             |             |             |             |                                                |             |             |
| Gross Weight                                                |                           | 7.2kg / 13.67 lbs                                                                                                                                              |             |             |             |             |                                                |             |             |
| Recommend Installation Height                               |                           | General 4-12m, based on actual project requirements                                                                                                            |             |             |             |             |                                                |             |             |
| Application Field                                           |                           | Road & highway, urban road & street, residential area, parks, parking lot, riverside & jogging track                                                           |             |             |             |             |                                                |             |             |
| Standard Accessories                                        |                           | Standard SPD 10kV (EU)                                                                                                                                         |             |             |             |             |                                                |             |             |
| Optional Accessories                                        |                           | Lid support, Circuit breaker,SPD 20KV, Breather vent, Nema photoelectric control socket, Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor. |             |             |             |             |                                                |             |             |

## Parameter Table

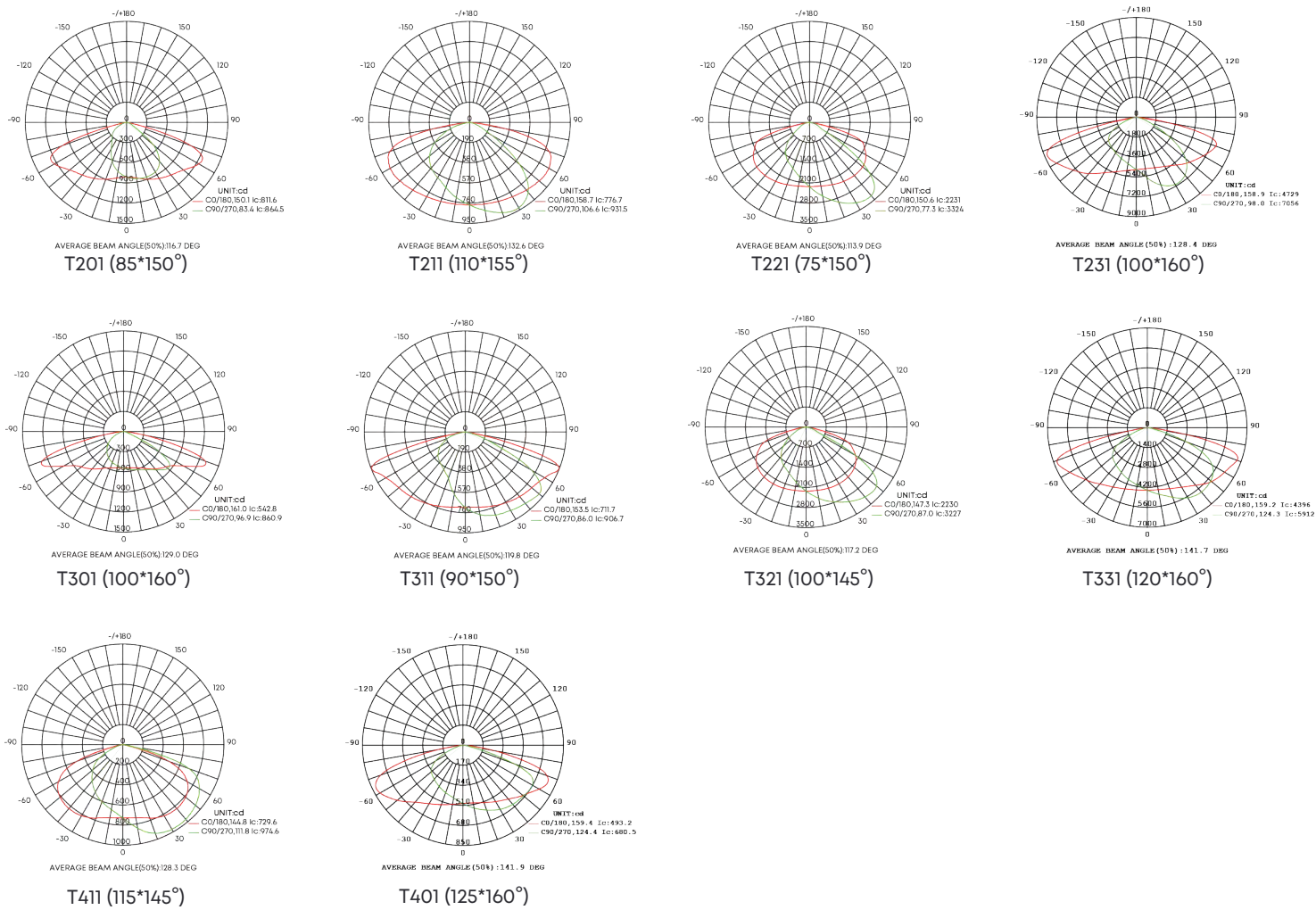
| Electrical Specifications                                   |                           |                                                                                                                                                                    |             |             |             |             |             |             |
|-------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Model                                                       |                           | AOK-240WiLA                                                                                                                                                        | AOK-250WiLA | AOK-260WiLA | AOK-270WiLA | AOK-280WiLA | AOK-290WiLA | AOK-300WiLA |
| Power(W)                                                    |                           | 240W                                                                                                                                                               | 250W        | 260W        | 270W        | 280W        | 290W        | 300W        |
| Input Voltage                                               |                           | 100-277VAC / 220-240VAC                                                                                                                                            |             |             |             |             |             |             |
| THD (220Vac)                                                |                           | ≤10%                                                                                                                                                               |             |             |             |             |             |             |
| PF (220Vac)                                                 |                           | ≥0.95                                                                                                                                                              |             |             |             |             |             |             |
| Driver                                                      |                           | Moso/Inventronics、Sosen/Class 1、（ Philips、uPowerTek ）/Class 1、 Class 2                                                                                             |             |             |             |             |             |             |
| Operating Temperature                                       |                           | -40℃ to 50℃ (-40 ℃F to 122 ℃F)                                                                                                                                     |             |             |             |             |             |             |
| Storage Temperature                                         |                           | -40℃ to 80℃ (-40 ℃F to 176 ℃F)                                                                                                                                     |             |             |             |             |             |             |
| Control Option                                              |                           | DALI-2, D4i,0/1-10V, PWM, timer dimming                                                                                                                            |             |             |             |             |             |             |
| Surge Protection                                            |                           | 10kV / 20kV optional                                                                                                                                               |             |             |             |             |             |             |
| Photometric Specifications                                  |                           |                                                                                                                                                                    |             |             |             |             |             |             |
| Efficacy(lm/W)<br>(CRI 70Ra, 5000K)<br>(Std Dev ±5%)        | T201-12in1 (85°150°)      | 140lm/W                                                                                                                                                            | 138lm/W     | 137lm/W     | 136lm/W     | 135lm/W     | 134lm/W     | 133lm/W     |
|                                                             | T211-12in1 (110°155°)     | 140lm/W                                                                                                                                                            | 138lm/W     | 137lm/W     | 136lm/W     | 135lm/W     | 134lm/W     | 133lm/W     |
|                                                             | T301-12in1 (100°160°)     | 135lm/W                                                                                                                                                            | 133lm/W     | 132lm/W     | 131lm/W     | 130lm/W     | 129lm/W     | 128lm/W     |
|                                                             | T311-12in1 (90°150°)      | 140lm/W                                                                                                                                                            | 138lm/W     | 137lm/W     | 136lm/W     | 135lm/W     | 134lm/W     | 133lm/W     |
|                                                             | T411-12in1 (115°145°)     | 140lm/W                                                                                                                                                            | 138lm/W     | 137lm/W     | 136lm/W     | 135lm/W     | 134lm/W     | 133lm/W     |
|                                                             | T221-16in1 (75°150°)      | 150lm/W                                                                                                                                                            | 149lm/W     | 148lm/W     | 146lm/W     | 144lm/W     | 142lm/W     | 140lm/W     |
|                                                             | T321-16in1 (100°145°)     | 150lm/W                                                                                                                                                            | 149lm/W     | 148lm/W     | 146lm/W     | 144lm/W     | 142lm/W     | 140lm/W     |
|                                                             | T231-24in1 (100°160°)     | 157lm/W                                                                                                                                                            | 156lm/W     | 155lm/W     | 154lm/W     | 153lm/W     | 152lm/W     | 150lm/W     |
|                                                             | T331-24in1 (120°160°)     | 157lm/W                                                                                                                                                            | 156lm/W     | 155lm/W     | 154lm/W     | 153lm/W     | 152lm/W     | 150lm/W     |
|                                                             | T401-24in1 (125°160°)     | 157lm/W                                                                                                                                                            | 156lm/W     | 155lm/W     | 154lm/W     | 153lm/W     | 152lm/W     | 150lm/W     |
|                                                             | T231-24in1-Pro (100°160°) | 163lm/W                                                                                                                                                            | 162lm/W     | 161lm/W     | 160lm/W     | 159lm/W     | 158lm/W     | 156lm/W     |
|                                                             | T331-24in1-Pro (120°160°) | 163lm/W                                                                                                                                                            | 162lm/W     | 161lm/W     | 160lm/W     | 159lm/W     | 158lm/W     | 156lm/W     |
|                                                             | T401-24in1-Pro (125°160°) | 163lm/W                                                                                                                                                            | 162lm/W     | 161lm/W     | 160lm/W     | 159lm/W     | 158lm/W     | 156lm/W     |
|                                                             | T2/T3@Seoul 5050          | 164lm/W                                                                                                                                                            | 163lm/W     | 162lm/W     | 161lm/W     | 160lm/W     | 159lm/W     | 158lm/W     |
| T2/T3/T5@A5050                                              | 186lm/W                   | 185lm/W                                                                                                                                                            | 184lm/W     | 183lm/W     | 182lm/W     | 181lm/W     | 180lm/W     |             |
| Luminous flux<br>(lm)<br>(CRI 70Ra, 5000K)<br>(Std Dev ±5%) | T201-12in1 (85°150°)      | 33600lm                                                                                                                                                            | 34500lm     | 35620lm     | 36720lm     | 37800lm     | 38860lm     | 39900lm     |
|                                                             | T211-12in1 (110°155°)     | 33600lm                                                                                                                                                            | 34500lm     | 35620lm     | 36720lm     | 37800lm     | 38860lm     | 39900lm     |
|                                                             | T301-12in1 (100°160°)     | 32400lm                                                                                                                                                            | 33250lm     | 34320lm     | 35370lm     | 36400lm     | 37410lm     | 38400lm     |
|                                                             | T311-12in1 (90°150°)      | 33600lm                                                                                                                                                            | 34500lm     | 35620lm     | 36720lm     | 37800lm     | 38860lm     | 39900lm     |
|                                                             | T411-12in1 (115°145°)     | 33600lm                                                                                                                                                            | 34500lm     | 35620lm     | 36720lm     | 37800lm     | 38860lm     | 39900lm     |
|                                                             | T221-16in1 (75°150°)      | 36000lm                                                                                                                                                            | 37250lm     | 38480lm     | 39420lm     | 40320lm     | 41180lm     | 42000lm     |
|                                                             | T321-16in1 (100°145°)     | 36000lm                                                                                                                                                            | 37250lm     | 38480lm     | 39420lm     | 40320lm     | 41180lm     | 42000lm     |
|                                                             | T231-24in1 (100°160°)     | 37680lm                                                                                                                                                            | 39000lm     | 40300lm     | 41580lm     | 42840lm     | 44080lm     | 45000lm     |
|                                                             | T331-24in1 (120°160°)     | 37680lm                                                                                                                                                            | 39000lm     | 40300lm     | 41580lm     | 42840lm     | 44080lm     | 45000lm     |
|                                                             | T401-24in1 (125°160°)     | 37680lm                                                                                                                                                            | 39000lm     | 40300lm     | 41580lm     | 42840lm     | 44080lm     | 45000lm     |
|                                                             | T231-24in1-Pro (100°160°) | 39120lm                                                                                                                                                            | 40500lm     | 41860lm     | 43200lm     | 44520lm     | 45820lm     | 46800lm     |
|                                                             | T331-24in1-Pro (120°160°) | 39120lm                                                                                                                                                            | 40500lm     | 41860lm     | 43200lm     | 44520lm     | 45820lm     | 46800lm     |
|                                                             | T401-24in1-Pro (125°160°) | 39120lm                                                                                                                                                            | 40500lm     | 41860lm     | 43200lm     | 44520lm     | 45820lm     | 46800lm     |
|                                                             | T2/T3@Seoul 5050          | 39360lm                                                                                                                                                            | 40750lm     | 42120lm     | 43470lm     | 44800lm     | 46110lm     | 47400lm     |
| T2/T3/T5@A5050                                              | 44640lm                   | 46250lm                                                                                                                                                            | 47840lm     | 49410lm     | 50960lm     | 52490lm     | 54000lm     |             |
| ULOR                                                        |                           | = 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(4mm/5mm thick)                                                                                                                        |             |             |             |             |             |             |
| Mechanical Data                                             |                           |                                                                                                                                                                    |             |             |             |             |             |             |
| IP/IK                                                       |                           | Optical systems maintain at IP66, IK08/IK09, according to standard EN 60529 and EN 62262                                                                           |             |             |             |             |             |             |
| Vibration Resistance                                        |                           | 5G rated, conform to standard IEC 68-2-6.                                                                                                                          |             |             |             |             |             |             |
| SCx (EPA)                                                   |                           | 0.2m²(top view), 0.041m² (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                                                                         |             |             |             |             |             |             |
| 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℃                                                                                                                                           |             |             |             |             |             |             |
| Warranty                                                    |                           | 5 years (Warranty extension up to 10 years on request)                                                                                                             |             |             |             |             |             |             |
| Certification                                               |                           | CE, RoHS,For other certificates please request                                                                                                                     |             |             |             |             |             |             |
| Product Size                                                |                           | 757*315*88mm/29.8*12.4*3.46"                                                                                                                                       |             |             |             |             |             |             |
| Net Weight                                                  |                           | 8.6kg/18.96lbs                                                                                                                                                     |             |             |             |             |             |             |
| Carton Size                                                 |                           | 820*365*145mm/32.28*14.37*5.71"                                                                                                                                    |             |             |             |             |             |             |
| Gross Weight                                                |                           | 10.1KG/22.27lbs                                                                                                                                                    |             |             |             |             |             |             |
| Recommend Installation Height                               |                           | General 4-12m, based on actual project requirements                                                                                                                |             |             |             |             |             |             |
| Application Field                                           |                           | Road & highway, urban road & street, residential area, parks, parking lot, riverside & jogging track                                                               |             |             |             |             |             |             |
| Standard Accessories                                        |                           | Standard SPD 10kV (EU)                                                                                                                                             |             |             |             |             |             |             |
| Optional Accessories                                        |                           | Circuit breaker,SPD 10kV/20kV, Breather vent, Nema photoelectric control socket, Photoelectric controller, Zhaga socket, PIR sensor, Microwave sensor,Support rod. |             |             |             |             |             |             |
| Important Note                                              |                           | The provided parameters are solely for design reference: the official measurement report holds                                                                     |             |             |             |             |             |             |

Ordering Information

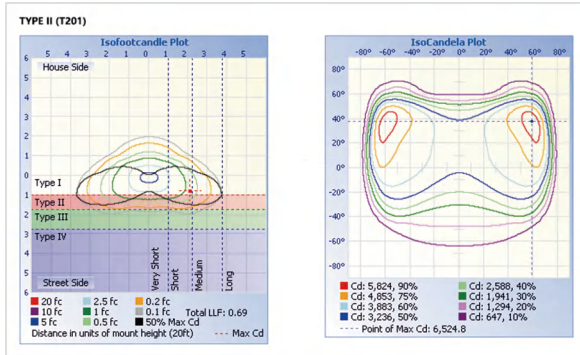
| AOK     |              |                  |                   |                  |                 |              |                |                  |
|---------|--------------|------------------|-------------------|------------------|-----------------|--------------|----------------|------------------|
| WATTS   | VOLTAGE      | LED CHIPS        | TYPE OF SENSOR    | CCT&CRI          | DISTRIBUTION    | MOUNT        | HOUSING        | OPTION           |
| 20WILA  | NV=100-277V  | L3=Lumileds 3030 | 00=Without Sensor | 2770=2700K 70CRI | T201 (85°150°)  | A=Side Entry | SG=Silver Gray | 10KV SPD         |
| 30WILA  | HV1=100-480V | S3=Seoul 3030    | PH=Photocell      | 3070=3000K 70CRI | T211 (110°155°) | B=Post Top   | BZ=Bronze      | 20KV SPD         |
| 40WILA  | HV2=200-480V | L5=Lumileds 5050 | DV=Dimmable       | 4070=4000K 70CRI | T221 (75°150°)  |              | BK=Black       | Zhaga receptacle |
| 50WILA  |              | S5=Seoul 5050    |                   | 5070=5000K 70CRI | T231 (100°160°) |              | Custom request | Custom request   |
| 60WILA  |              | A5=A5050         |                   | 5770=5700K 70CRI | T2 (100°155°)   |              |                |                  |
| 70WILA  |              |                  |                   | 6570=6500K 70CRI | T2 (105°160°)   |              |                |                  |
| 80WILA  |              |                  |                   | 2780=2700K 80CRI | T301 (100°160°) |              |                |                  |
| 90WILA  |              |                  |                   | 3080=3000K 80CRI | T311 (90°150°)  |              |                |                  |
| 100WILA |              |                  |                   | 4080=4000K 80CRI | T321 (100°145°) |              |                |                  |
| 110WILA |              |                  |                   | 5080=5000K 80CRI | T331 (120°160°) |              |                |                  |
| 120WILA |              |                  |                   | 5780=5700K 80CRI | T3 (80°155°)    |              |                |                  |
| 130WILA |              |                  |                   | 6580=6500K 80CRI | T3 (115°160°)   |              |                |                  |
| 140WILA |              |                  |                   |                  | T401 (125°160°) |              |                |                  |
| 150WILA |              |                  |                   |                  | T411 (115°145°) |              |                |                  |
| 160WILA |              |                  |                   |                  | T5 (150°150°)   |              |                |                  |
| 170WILA |              |                  |                   |                  |                 |              |                |                  |
| 180WILA |              |                  |                   |                  |                 |              |                |                  |
| 200WILA |              |                  |                   |                  |                 |              |                |                  |
| 240WILA |              |                  |                   |                  |                 |              |                |                  |
| 250WILA |              |                  |                   |                  |                 |              |                |                  |
| 260WILA |              |                  |                   |                  |                 |              |                |                  |
| 270WILA |              |                  |                   |                  |                 |              |                |                  |
| 280WILA |              |                  |                   |                  |                 |              |                |                  |
| 290WILA |              |                  |                   |                  |                 |              |                |                  |
| 300WILA |              |                  |                   |                  |                 |              |                |                  |

Note: 200W can only use 5050 LED Chips

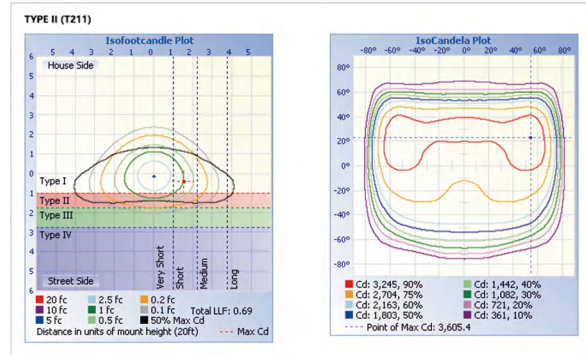
Photometry



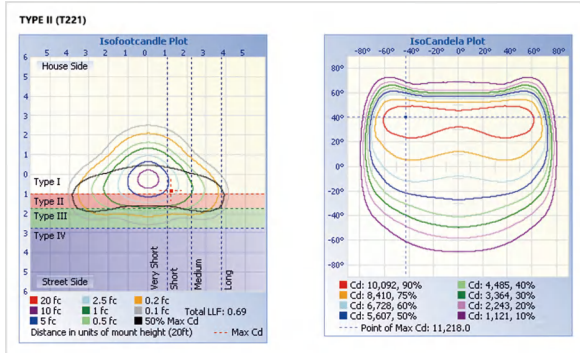
# Illuminance Diagram



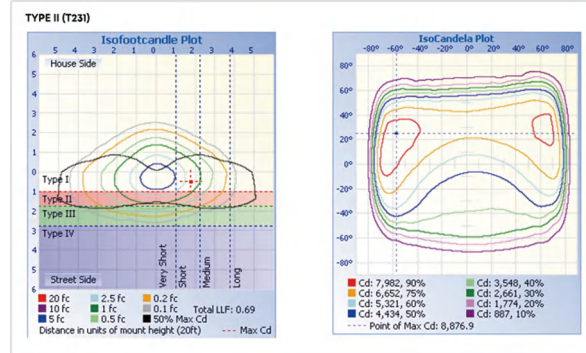
T201 (85°150°)



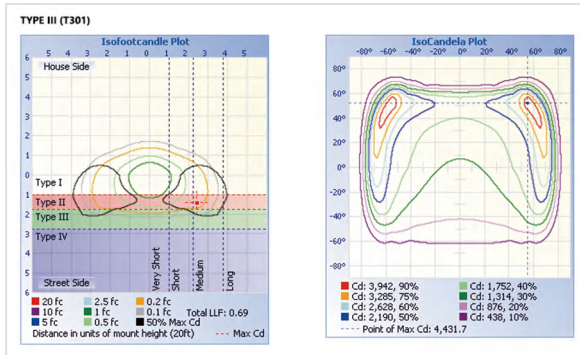
T211 (110°155°)



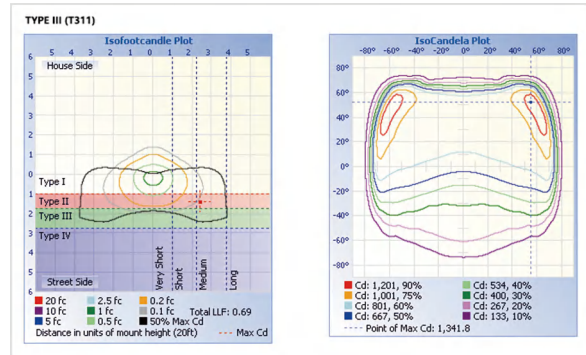
T221 (75°150°)



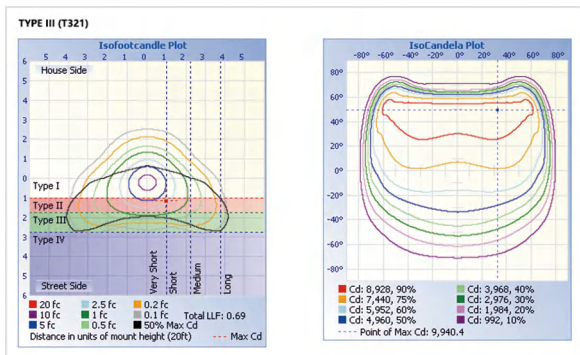
T231 (100°160°)



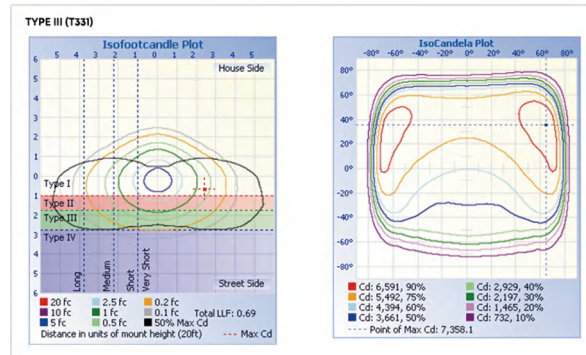
T301 (100°160°)



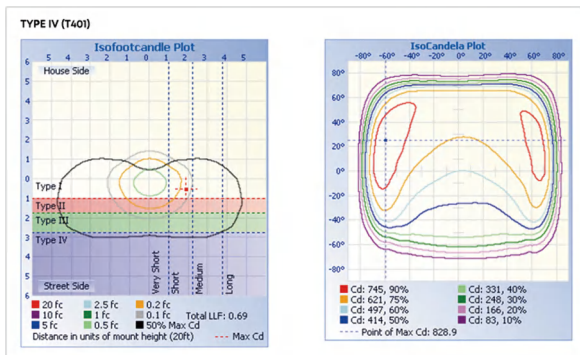
T311 (90°150°)



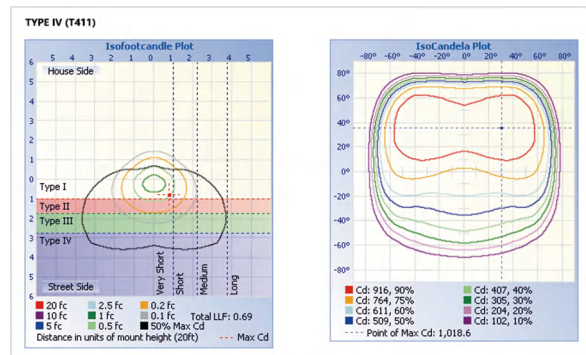
T321 (100°145°)



T331 (120°160°)

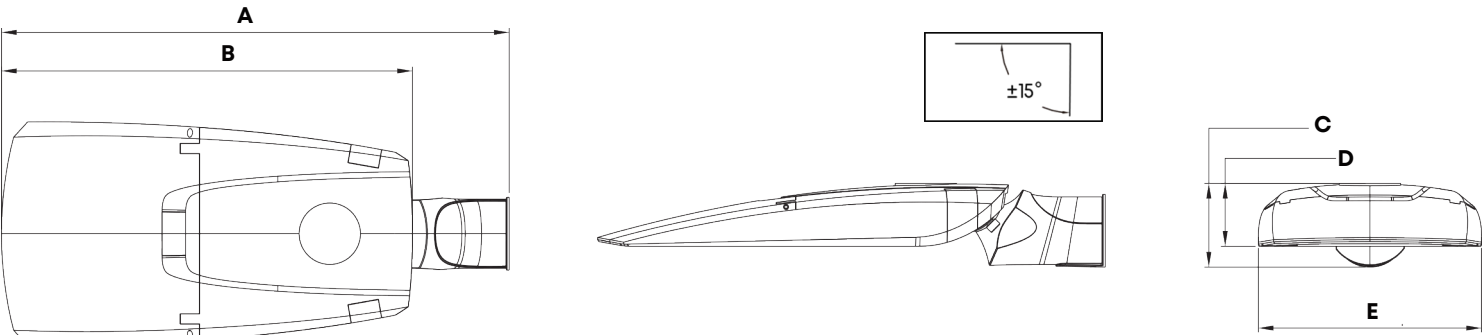


T401 (125°160°)



T411 (115°145°)

# Fixture Dimensions

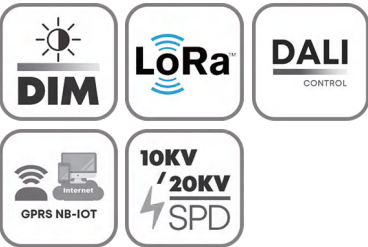


|           | A             | B             | C           | D           | E            |
|-----------|---------------|---------------|-------------|-------------|--------------|
| 20w-60w   | 537mm(21.14") | 435mm(17.13") | 88mm(3.46") | 67mm(2.64") | 210mm(8.27") |
| 70w-110w  | 567mm(22.32") | 465mm(18.31") | 88mm(3.46") | 67mm(2.64") | 228mm(8.98") |
| 120w-200w | 632mm(24.88") | 530mm(20.87") | 89mm(3.50") | 69mm(2.72") | 259mm(10.2") |
| 240w-300w | 757mm(29.80") | 655mm(25.79") | 88mm(3.46") | 67mm(2.64") | 315mm(12.4") |

## Mounting & Control Options



## Controller & Receptacle



Zhaga Receptacle



Shorting Cap



3 Pin/7 Pin Receptacle



Photocell



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