

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



OT02 Series LED Area Light

Shoebox / Parking lot lighting
Power: 80W - 300W



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

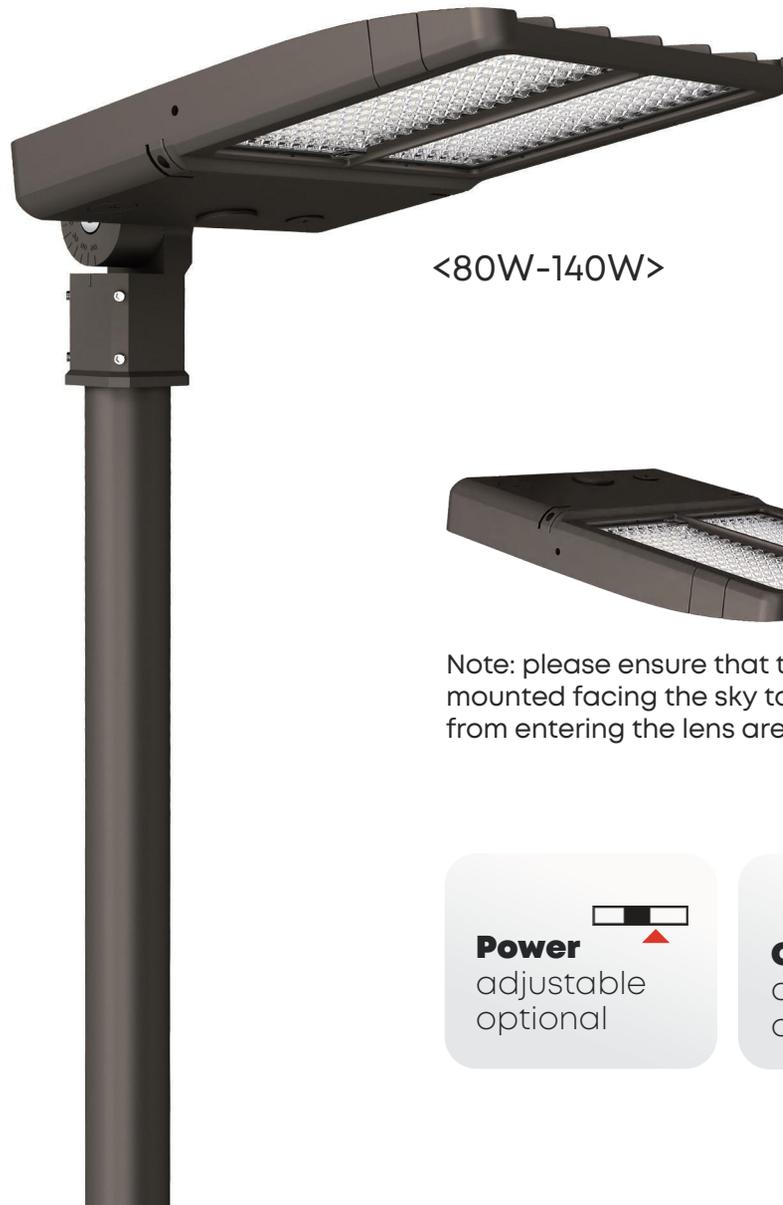
Features of **OT02** Series



For others & details
please request



<200W-300W>



<80W-140W>



Note: please ensure that the lens is not mounted facing the sky to prevent water from entering the lens area.

Power 
adjustable
optional

CCT 
adjustable
optional



WARRANTY

5 Year Limited Warranty,
10 Year Preferred Warranty.

Please consult with our sales for detailed agreement.

- Utilizes a precision-engineered lens crafted from optical grade Mitsubishi PMMA to maximize light intensity.
- Features a range of light distributions and designs specifically tailored for parking lots.
- Enhances visual comfort by reducing glare and delivering a wider, smoother, and more uniform light output. Complies with BUG=0 standards.
- Available in various color temperatures: 3000K, 4000K, 5000K, 5700K, and 6500K.
- Utilizes 2835 LED sources, offering high lumen output and precise light distribution for increased energy savings.
- Cutoff classification ensures no upward light pollution.
- Comes with 7 different mounting brackets for quick and easy installation on various pole styles, streamlining the installation process and saving time.
- Provides the option for customized pole adapters for unique installations, offering greater flexibility and customization during setup.

The **benefits** of opting OT02 series

	<ul style="list-style-type: none"> • Exclusive Lens Replace Design A user-friendly lens replacement design for effortless maintenance and component recycling. 		<p>UPTO 185 lm/W</p>	<p>3000K 4000K 5000K 5700K 6500K</p>	<p>CRI >Ra80</p>
	<ul style="list-style-type: none"> • Professional Distribution Options Customized for parking lots, ensuring flawless uniformity with a BUG rating of 0. 		<p>100-277VAC 200-480VAC 50 / 60HZ</p>	<p>ULR =0%</p>	
	<ul style="list-style-type: none"> • High Quality Light Source Excellent-performance LED chips. 		<p>IP65 IK09</p>	<p>3G VIBRATION TESTING PASSED</p>	<p>Zhaga Receptacle Optional</p>
	<ul style="list-style-type: none"> • Reserved Sensor Installation Positions Abundant internal space with reserved locations for easy sensor installation. 				
	<ul style="list-style-type: none"> • Seven Optional Installation Brackets Providing flexibility and convenience to meet various installation requirements. 				

Note: Normal Voltage=100-277VAC, High Voltage=200-480VAC, please evaluate before choosing. For the power supply in the United States and Canada, in case the input voltage fluctuation $\geq 240V$ the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

User-friendly Lens Replacement

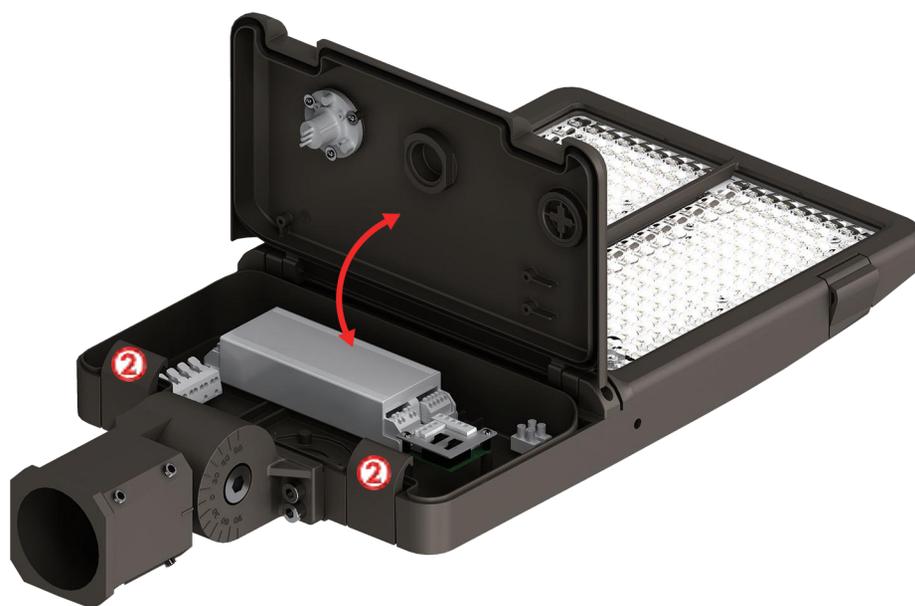
Lower Maintenance Costs



A design for lens replacement that is user-friendly, facilitating easy maintenance & recycling of components.



- Press "1" buckle to easily open the cover for lens replacement.



- Press "2" buckle to easily open the driver cover for maintenance.

Change At The Flip Of A **Switch**

- **REDUCE SKUS**
- **INCREASE TURNS**
- **DRIVE PROFITABILITY**

With a simple button press, adjustable CCT LEDs can shift between various white light temperatures, providing a single fixture with multiple tones—from warm to daylight to cool. Instead of ordering lights with different color temperatures, opt for one adjustable CCT product offering multiple options. Install the fixture and customize the color temperature on the spot. This versatility reduces SKUs for contractors while still providing diversity and meeting client needs. Business owners and designers can independently adjust tones to create specific atmospheres and seamlessly coordinate fixtures.

BHD:
DIP switch for adjusting CCT and power

48W(A) - 65W(B) - 80W(C)

CW: White light
NW: Neutral white
WW: Warm white

A	CW	48(W)
B	NW	65(W)
C	WW	80(W)

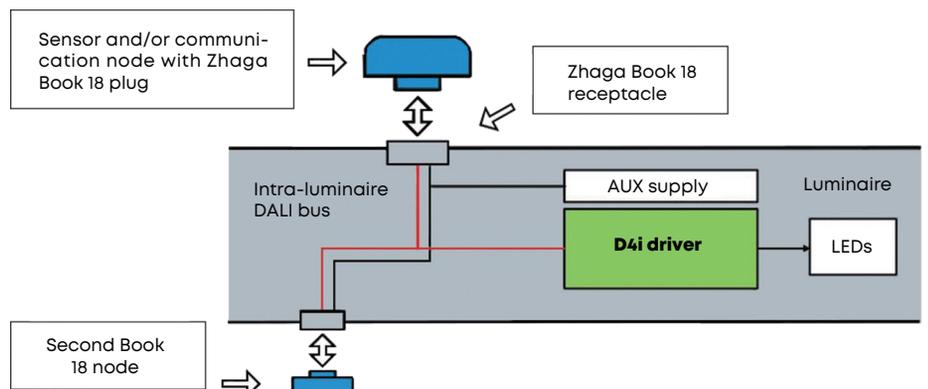
CCT
adjustable

- 3000K
- 4000K
- 5000K



A sensor mounting hole is reserved on the top to facilitate future installation.

Outdoor luminaire with Zhaga receptacles (optional)



Application Reference

- Parking lot lighting
- Riverside & jogging track
- Urban & residential streets
- Bridges
- Bike & pedestrian paths
- Railway stations & metros
- Squares & pedestrian areas
- Tennis court



Parameter Table

Electrical Specifications				
Model	AOK-OT02-80W	AOK-OT02-140W	AOK-OT02-200W	AOK-OT02-300W
Watt Selectable	48-65-80W	100-140W	165-200W	240-300W
Input Voltage	Normal Voltage=100-277VAC, High Voltage=200-480VAC, please read *Note-1 before choosing			
PF	>0.9			
THD	<20%			
Control Option	Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.			
Driver	Sosen			
Operating Temperature	-40°C to 50°C (-40 °F to 122 °F)			
Surge Protection	10KV/20KV SPD			
Photometric Specifications				
Efficacy (lm/W, Std Dev ±5%) CRI 80Ra, 4000K	185lm/W	175lm/W	185lm/W	175lm/W
Luminous Flux(lm, Std Dev ±5%) CRI 80Ra, 4000K	9000/12000/15000lm	18000/24000lm	30000/36000lm	42000/52000lm
CCT	3000/4000/5000K adjustable			
CRI	Ra>80			
LED Model	LUMILEDS 2835			
Lens	Polycarbonate			
Beam Angle	T301(65°*145°), T401(70°*145°), T501(150°*150°)			
Mechanical Specifications				
IP/IK	IP65/IK09, according to standard EN 60529 and EN 62262			
Vibration Resistance	3G, conform to standard IEC 68-2-6.			
Housing	Heavy-duty die-cast aluminum (EN AC-46100)			
Heat Radiator	Aluminum alloy			
Surface Treatment	Anti-UV thermosetting polyester / Anti-UV thermosetting polyester (for extremely corrosive environments).			
Painting	Bronze, White, Black, Custom request			
SCx (EPA)	0.156m² (top view), 0.035m² (side view)		0.239m² (top view), 0.04m² (side view)	
Cable	Pre-wired with a 30 cm cable (Other lengths on request)			
Mounting	Slip fitter(Φ40/60/76mm)/Arm mount/Yoke mount/Slide & lock/Square pole/Round pole/Trunnion			
Package Info				
Product Size & Net Weight -without Bracket	473*301*63mm/18.62*11.85*2.48" 3.8KG/8.38lbs		579*390*63mm/22.8*15.35*2.48" 5.7KG/12.57lbs	
Product Size & Net Weight -with Bracket A(Slip fitter)	653*301*82mm/25.71*11.85*3.23" 5.1KG/11.24lbs		759*390*82mm/29.88*15.35*3.23" 7KG/15.43lbs	
Carton Size & Gross Weight -without Bracket	550*340*120mm/21.65*13.39*4.72" 4.8KG/10.58lbs		655*430*120mm/25.79*16.93*4.72" 6.9KG/15.21lbs	
Carton Size & Gross Weight -with Bracket A(Slip fitter)	700*340*120mm/27.56*13.39*4.72" 6.3KG/13.89lbs		805*430*120mm/31.69*16.93*4.72" 8.5KG/18.74lbs	
Others				
Lifespan	L70 - 100 000 h, L90 - 36 000 h, @Tq 25°C			
Warranty	5 years limited warranty			
Certification	UL, cUL, DLC			
Application Field	Parking lot lighting, Riverside & jogging track, Urban & residential streets, Bridges, Bike & pedestrian paths, Railway stations & metros, Squares & pedestrian areas, Tennis court			
Important Note!	The provided information is solely for reference; the official measurement report holds higher authority.			

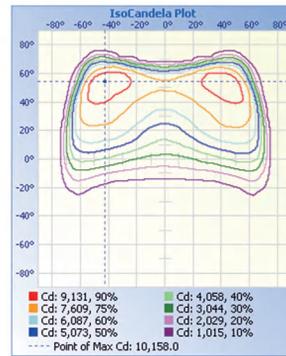
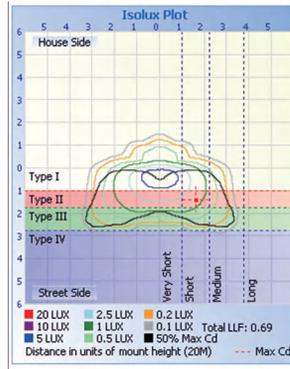
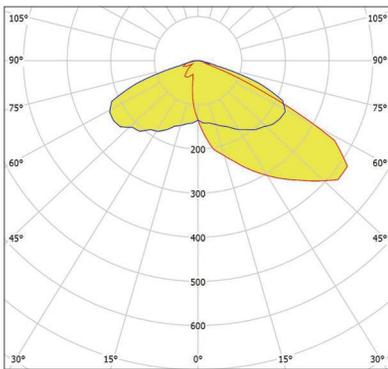
* Note-1: For the power supply in the United States and Canada, in case the input voltage fluctuation ≥240V the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

Ordering Information

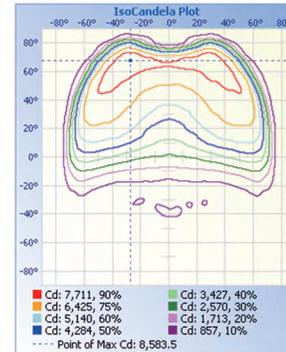
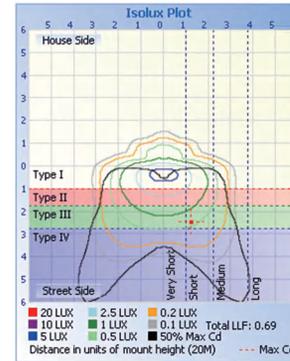
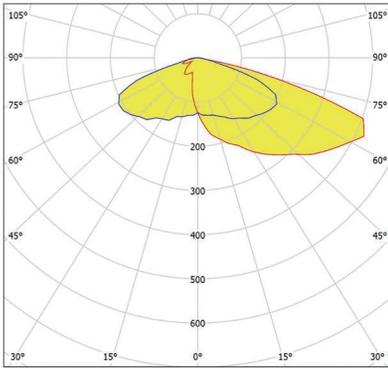
AOK								
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING	OPTIONS
80W	NV=100-277V	L2=2835	00=Without Sensor	2770=2700K 70CRI	T301(65°*145°)	A=Slip Fitter	BZ=Bronze	10KV SPD
140W	HV=200-480V		PH=Photocell	3070=3000K 70CRI	T401(70°*145°)	B=Adjustable Arm	BK=Black	20KV SPD
200W			DV=Dimmable	4070=4000K 70CRI	T501(150°*150°)	C=Yoke Mount	WH=White	
300W			PIR=PIR sensor	5070=5000K 70CRI		D= Slide and Lock		
48-65-80W				5770=5700K 70CRI		E= Square Pole		
100-140W				6570=6500K 70CRI		F= Round Pole		
165-200W				2780=2700K 80CRI		G= Trunnion Mount		
240-300W				3080=3000K 80CRI				
				4080=4000K 80CRI				
				5080=5000K 80CRI				
				5780=5700K 80CRI				
				6580=6500K 80CRI				

Photometry & Illuminance Diagram

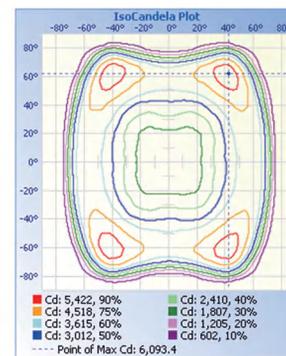
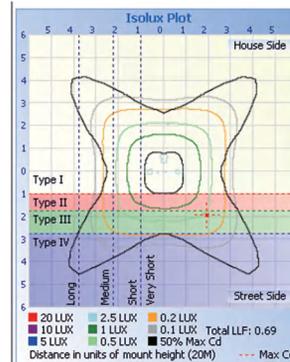
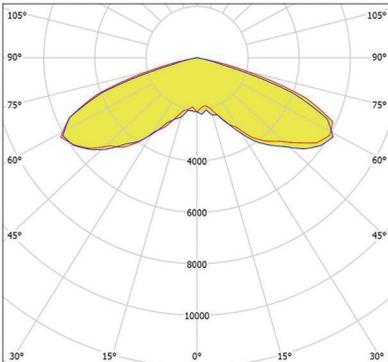
T301(65°*145°)



T401(70°*145°)



T501(150°*150°)



Brackets Installation Options

Suitable for different installation scenarios, quickly adapt to the needs of the project. Convenient and Flexible.



Type A
Slipfitter
(Φ40mm)



Type A
Slipfitter
(Φ60mm)



Type A
Slipfitter
(Φ76mm)



Type B
Adjustable
Arm Mount



Type C
Yoke Mount



Type D
Slide & Lock
Mount



Type E
Square Pole
Mount



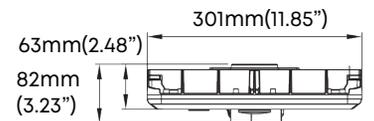
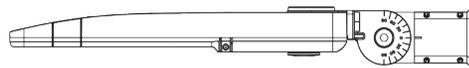
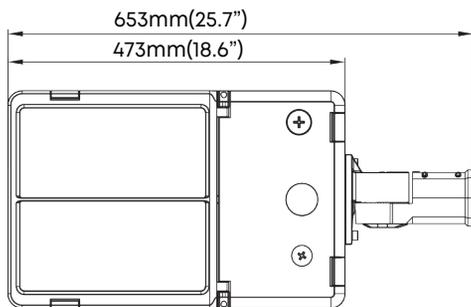
Type F
Round Pole
Mount



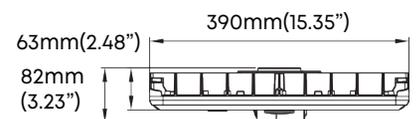
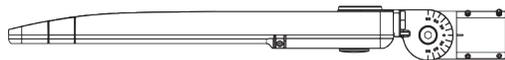
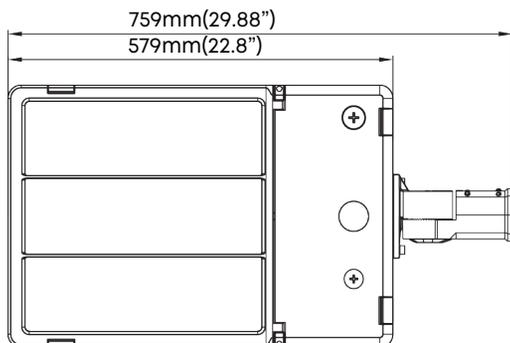
Type G
Trunnion
Mount

Dimensions

80W-140W



200W-300W





Quality, Honesty, Service and Innovation

Innovative & Tailored Lighting Solutions for **Success**



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

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