



ALR01

Area Light Series

LED Area Light Series whose wattage and CCT can be adjustable. It's suitable for outdoor parking lots, residential areas, streets, sidewalks, outdoor sports fields, campuses, parks, and industrial/commercial areas.



IP66
Wet Location



IK09
Rating



5YEAR
WARRANTY



RoHS

REDEANLED™

ILLUMINATE WITH EFFICIENCY AND DIRECTION



Wattage And CCT Adjustable Solutions

■ 4-in-1 Power Selectable

S

100W: 50W-65W-80W-100W
150W: 80W-100W-120W-150W
200W: 100W-120W-150W-200W

M

240W: 120W-150W-200W-240W
300W: 150W-200W-240W-300W

L

400W: 200W-240W-300W-400W
500W: 240W-300W-400W-500W

■ 3-in-1 CCT Selectable

Standards: 3000K-4000K-5000K
Optional: 4000K-5000K-5700K

High Light Efficiency Up to 160 LM/W

The lens is made of high-transmittance material, and its high light efficiency is 160 Lm/W.

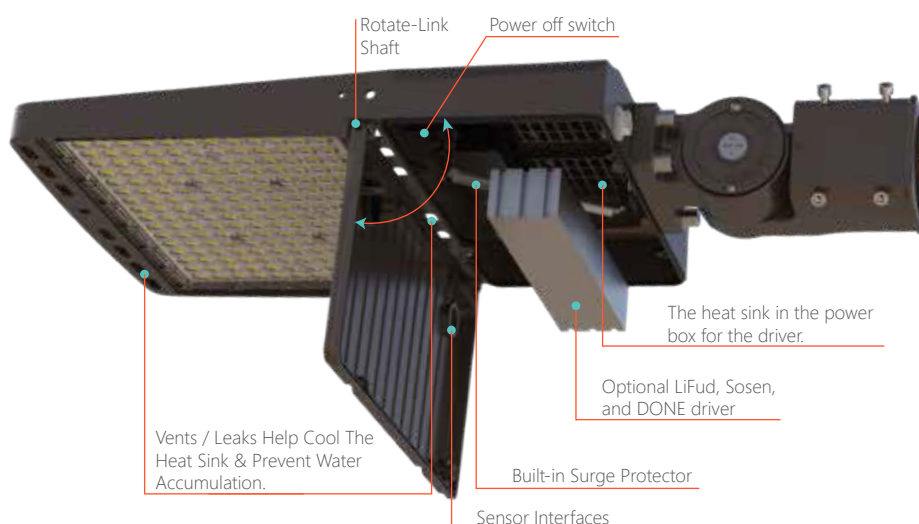
Series Design, Widely Applications

ALR01 LED area light series consists of three models (S, M, L) with power ranging from 50W to 500W. These lights are suitable for outdoor parking lots, residential areas, streets, sidewalks, outdoor sports fields, campuses, parks, and industrial/commercial areas.

The M and L models of the ALR01 series share the same lens, resulting in cost savings for molds and materials.

Humanized Design to Save Maintenance Cost

The power box cover is connected to the lamp body with a rotating-link structure. By loosening two screws, the power box can be easily opened without the cover falling off. This convenient design allows for easier manual maintenance operations, improves safety during maintenance and operation, and helps reduce maintenance costs.



Stability Driver & More Solution Optional

The heat sink design in the power box of the ALR01 LED area light series is specifically engineered to ensure the stability of the driver. This design allows for quick and efficient spreading of heat, aiding in heat dissipation. It is compatible with driver brands such as LiFud, Sosen, and DONE, ensuring consistent cooling capacity regardless of the chosen power supply. This provides customers with a range of power options. Additionally, the ALR01 LED area light utilizes a no-flicker lightning source, ensuring a comfortable and consistent illumination effect throughout the entire light.

Vents Help Cool the Heat Sink & Prevent Water Accumulation

The heat sink in the ALR01 LED area light series is made using the ADC12 die-casting aluminum process, which conducts heat quickly. The design of the heat sink includes vents and encourages air convection, which aids in cooling the heat sink effectively. Additionally, this design feature helps prevent water accumulation, making it suitable for areas with high rainfall.

PIR & Microwave Sensor Optional

Microwave and PIR sensor interfaces are reserved on the cover of the power box, which facilitates the extension of the functions required by customers.

Light Control Solution Optional

1 Cost-Effective Light Controlled Accessories



Photocell
3-PIN: Lighting Switch

2 Multi-function Light Controlled Accessories



NEMA+Photocell
3-PIN: Lighting Switch
5-PIN: Expandable DALI or 0-10V Dimming
7-PIN: Expandable DALI and 0-10V Dimming

Mounting Options



1




SF Bracket

2



EA Bracket

3



YK Bracket

4 -1



TR Bracket

4 -2



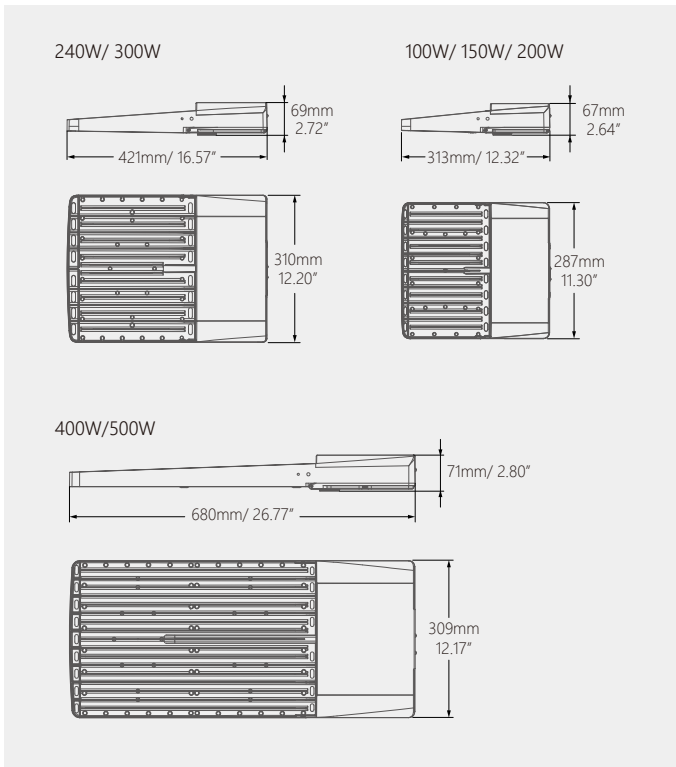
TR Bracket



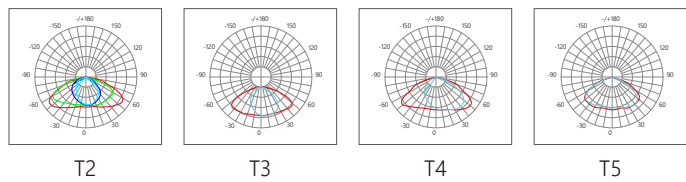
Parameters

Model No.	ALR01-100W	ALR01-150W	ALR01-200W	ALR01-240W	ALR01-300W	ALR01-400W	ALR01-500W
4-in-1 Wat Selectable	50-65-80-100W	80-100-120-150W	100-120-150-200W	120-150-200-240W	150-200-240-300W	200-240-300-400W	240-300-400-500W
Light Efficiency	160Lm/W (@4000K, Standards / @5000K, Optional)						
Lumen Flux (±10%)	8,000-16,000Lm	12,800-24,000Lm	16,000-32,000Lm	19,200-38,400Lm	24,000-48,000Lm	32,000-64,000Lm	38,400-80,000Lm
CCT Selectable	Standards: 3000K-4000K-5000K, Optional: 4000K-5000K-5700K						
Beam Angle	T2/ T3/ T4/ T5						
CRI	Ra≥70						
Percent Flicker (%)	< 20%						
SDCM	≤7						
Input Voltage	AC100-277V, AC120-347V, AC200-480V						
Power Factor	≥0.90						
THD	≤20%						
Surge Protection	/						
Protection Against Electric	Class I						
IP (Environmental location of luminaries)	IP66						
IK	IK09						
EPA		1.13ft²		1.64ft²		2.68ft²	
Operating Temp Ranger	-40°C~-+45°C @Outdoor/ -40°F~-+113°F @Outdoor						
Intelligent Control	1-10V Dimming						
Lifetime	50,000H (L70B50 @35°C)/ 50,000H (L70B50 @95°F)						
N.W (kg/ lbs)	2.6kg±0.5 5.73lbs±1.1	2.6kg±0.5 5.73lbs±1.1	2.6kg±0.5 5.73lbs±1.1	3.21kg±0.5 7.08lbs±1.1	3.21kg±0.5 7.08lbs±1.1	6.06kg±0.5 13.36lbs±1.1	6.06kg±0.5 13.36lbs±1.1
Dimension (mm/ in)	313*287*67mm 12.32*11.30*2.52in	313*287*67mm 12.32*11.30*2.52in	313*287*67mm 12.32*11.30*2.52in	421*310*69mm 16.57*12.20*2.71in	421*310*69mm 16.57*12.20*2.71in	680*309*71mm 26.77*12.17*2.80in	680*309*71mm 26.77*12.17*2.80in
CTN (mm/ in)		370*340*120mm 14.57*13.39*4.72in		480*360*120mm 18.90*14.17*4.72in		735*360*125mm 28.94*14.17*4.92in	
Warranty	5 years						
Certificate	CE / CB / ERP / UL / DLC / RoHS						
Specification	LED: Lumileds Driver: LiFud, Sosen, DONE						
Material	Structure: Die-casting/ High Thermal Conductivity AL Finish: Powder Coated Lens: PC Color: Bronze						

Dimension (mm/ in)



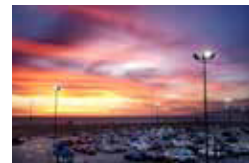
Photometric Diagrams



Applications

Outdoor / Industrial

- Parking lots and garages
- Sports & recreational fields
- Streets and Sidewalks
- Campuses
- Parks
- Industrial/commercial areas



Parking Lot



Tennis Court



Industrial sites



Commercial areas



High Way Lighting



Campuses



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