



LED AREA LIGHT (AL01)

Applications:

Ideal for industrial environments such as power generation, hydro-electric generation, aggregate, chemicals, metals, petroleum and all other industrial applications. Aesthetically designed for traditional commercial applications such as shopping centers, schools, hospitals, bus terminals, airports and all other applications with large areas.

FEATURES

Construction:

- Cast aluminum alloy body with heat exchanger designed to isolate the driver heat from the high efficiency LED's
- Compact design with All-Around design heat exchanger, promoting reliability and long life
- IP65 rated, suitable for indoor and outdoor
- Bronze is standard color, while Black and Marine Gray are optional

Optics:

- Polycarbonate diffuser field rotatable to change direction of the light distribution
- Dark Sky compliant with full cut-off, no up light
- Lumen package from 4,000 to 53,000 lumens, efficacy up to 153 lm/W
- Beam angles include T3,T4, T5 and Custom NEMA flood distributions
- Field selectable CCT, fixed CCT (3000K/4000K/5000K) optional
- L70 rated for >180,000 hours

Electrical:

- Field Selectable Wattage, fixed wattage 75W to 300W optional
- Operating voltage is 100-277 VAC, 277V-480V optional
- Power Factor >93% @ 277VAC, THD <15%

Ambient Temperature:

- Operating temperature is -40°C to 50°C (-40°F to 122°F)

Mounting:

- Five mounting options including Universal slip fitter bracket, standard slip fitter, square pole, round pole and yoke mount

Finish:

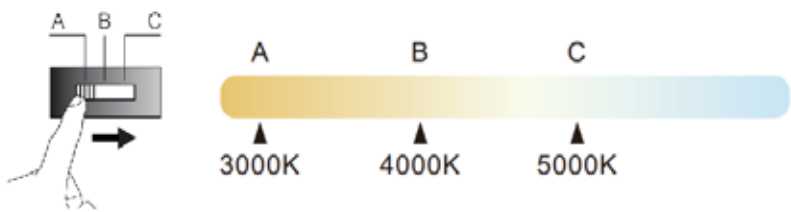
- Patented smooth finish for self-cleaning in harsh environments while maintaining maximum heat dissipation
- Corrosive resistant electrostatic power coating to withstand all environments
- Bronze color is standard, black and marine gray are optional

Certifications:

- ETL Listed
- L70 >180,000 hours
- Standard 5-Year Limited Warranty, 10-Year optional



Field-Adjustable Wattage & Color Temp

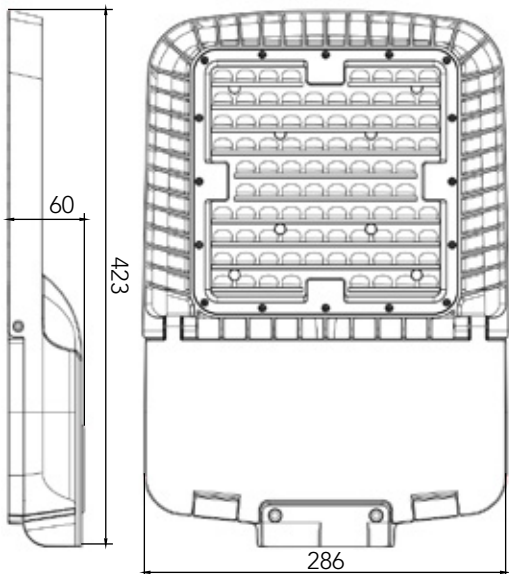
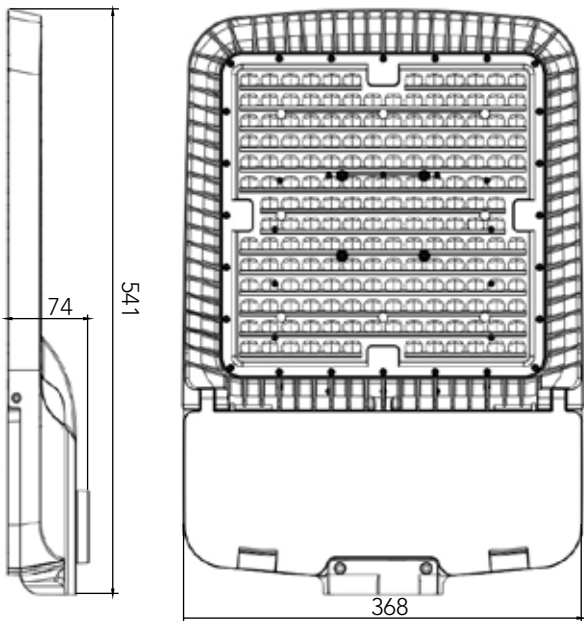


| SKUs | Desired Wattage | DIP Switch Settings | | | |
|-------|-----------------|---------------------|----|----|----|
| | | 1 | 2 | 3 | 4 |
| SKU 1 | 60W | ON | - | - | - |
| | 75W | - | ON | - | - |
| | 100W | - | - | ON | - |
| | 120W | - | - | - | ON |
| | 145W | - | - | - | - |
| SKU 2 | 180W | ON | - | - | - |
| | 200W | - | ON | - | - |
| | 230W | - | - | ON | - |
| | 280W | - | - | - | ON |
| | 300W | - | - | - | - |

DIMENSIONS

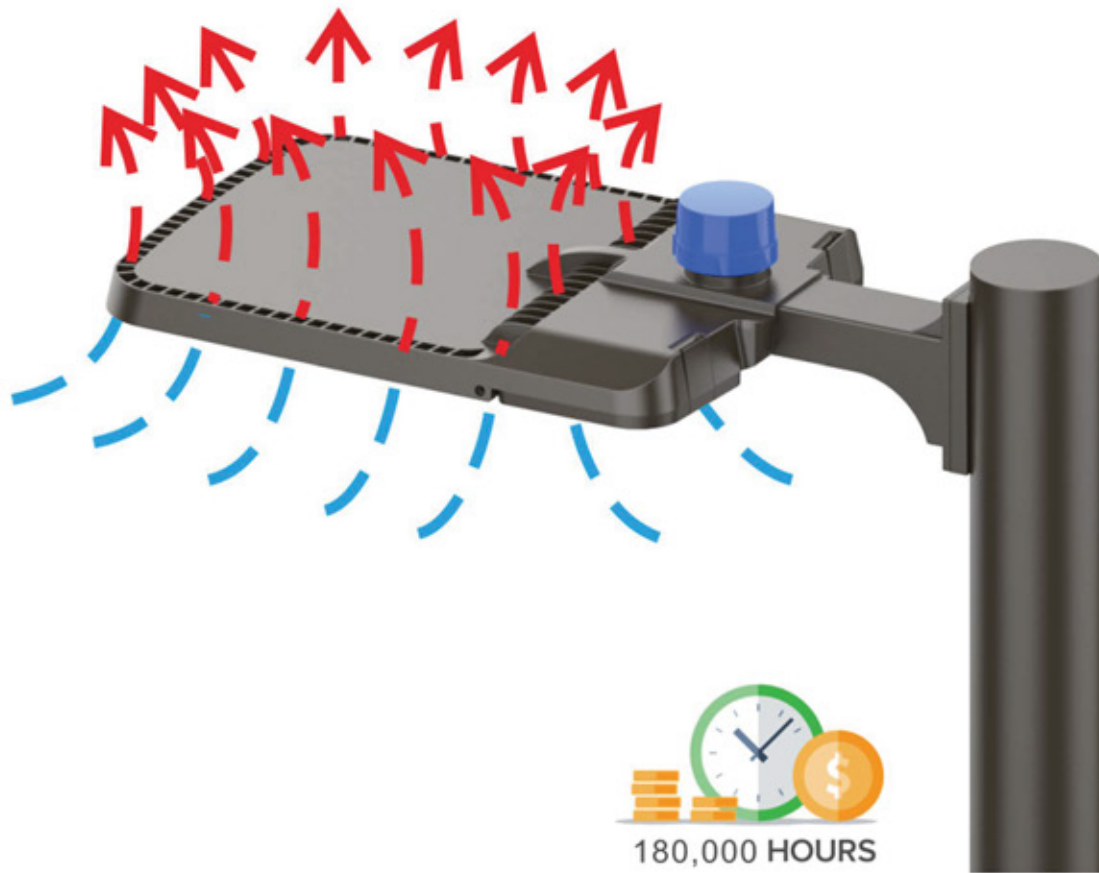
AO-AL01-200
AO-AL01-230
AO-AL01-300
AO-AL01-320

AO-AL01-75
AO-AL01-100
AO-AL01-120
AO-AL01-145
AO-AL01-180



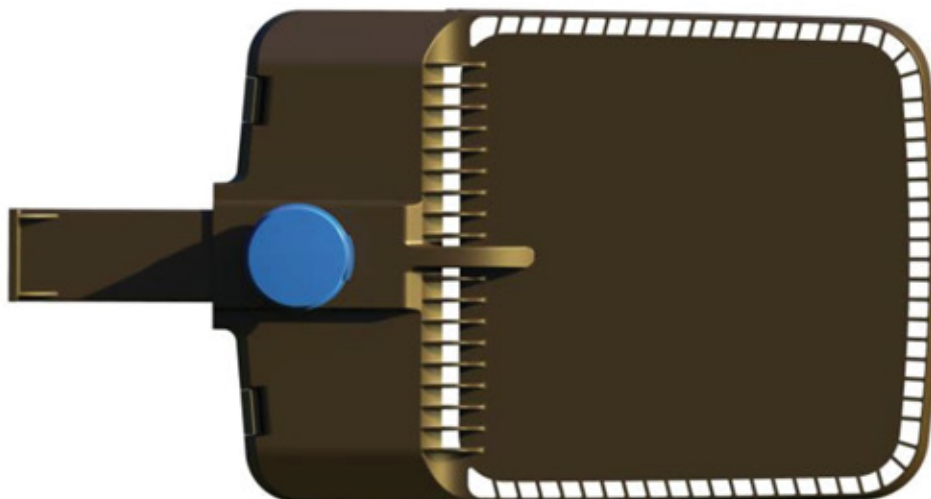
All-around Ventilated Design with Maximum Heat Dissipation

All-around ventilated housing with Natural air convection design. Air can convect and fully pass through the gaps, thus to remove the heat rapidly, and reduce temperature by around 15 °C. enhanced performance and longer lifespan. LED life up to 180,000 hours



Patented Smooth Body with Self-Cleaning Function

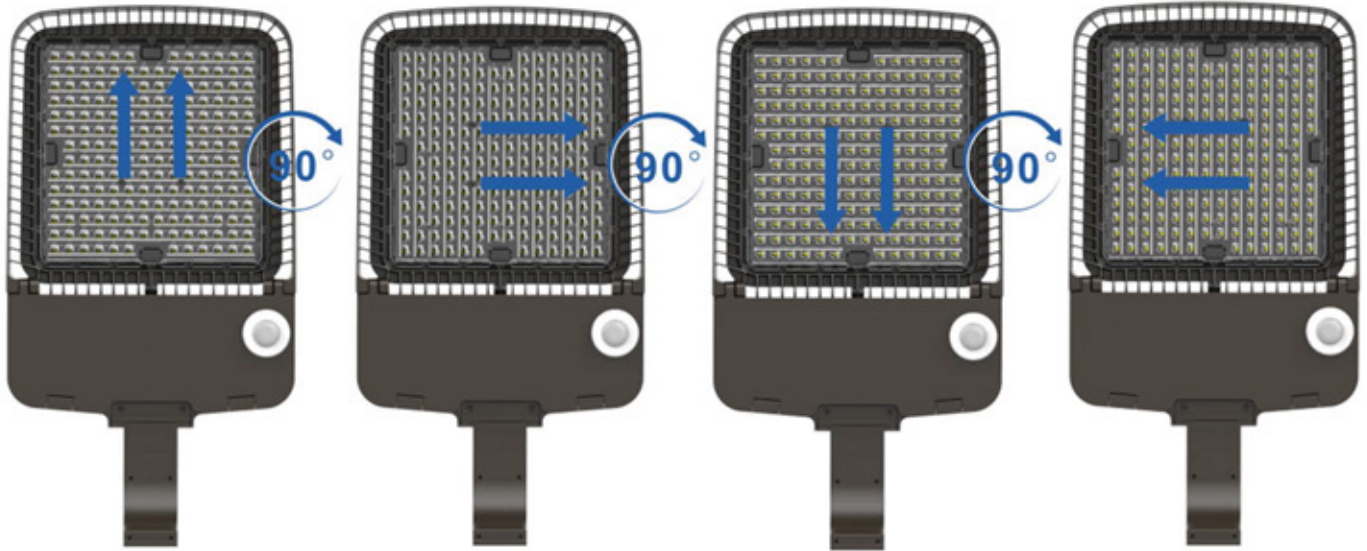
Sleek housing design allows the elements to wash off the dust, leaves and bird droppings, while promoting maximum heat dissipation



Optics - Rotatable

Field rotation eases lighting design implementation. Simply rotate the lens and get different light distribution in different directions.

No change to fixture Installation and EPA.



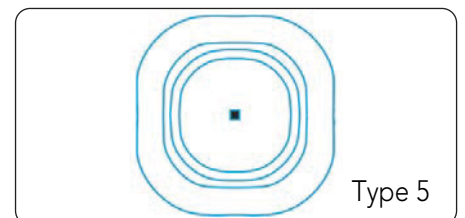
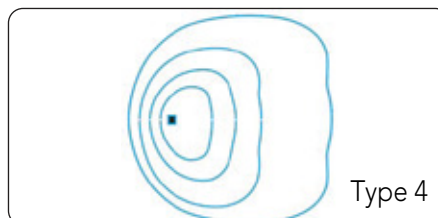
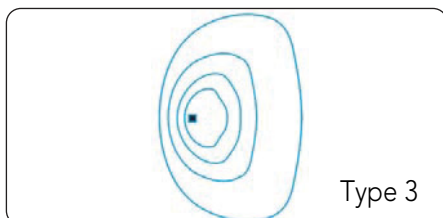
PHOTOMETRICS

Alpha Omega Lighting offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.

Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications



PERFORMANCE DATA

| AO-AL01 | Wattage (W) | Standard Efficiency | | | | | | Premium Efficiency | | | | | |
|---------|-------------|---------------------|-------------------------------|-------------------|-------------------------------|-------------------|-------------------------------|--------------------|-------------------------------|-------------------|-------------------------------|-------------------|-------------------------------|
| | | 3000K | | 4000K | | 5000K | | 3000K | | 4000K | | 5000K | |
| | | Efficiency (lm/W) | Typical Delivered Lumens (lm) | Efficiency (lm/W) | Typical Delivered Lumens (lm) | Efficiency (lm/W) | Typical Delivered Lumens (lm) | Efficiency (lm/W) | Typical Delivered Lumens (lm) | Efficiency (lm/W) | Typical Delivered Lumens (lm) | Efficiency (lm/W) | Typical Delivered Lumens (lm) |
| 75 | 75 | 141 | 10602 | 145 | 10875 | 152 | 11400 | 159 | 11927 | 167 | 12525 | 171 | 12825 |
| 100 | 100 | 140 | 13950 | 143 | 14300 | 150 | 15000 | 157 | 15717 | 165 | 16500 | 169 | 16900 |
| 120 | 120 | 138 | 16517 | 140 | 16800 | 148 | 17760 | 155 | 18637 | 163 | 19560 | 167 | 20040 |
| 145 | 145 | 137 | 19823 | 139 | 20155 | 147 | 21315 | 154 | 22385 | 162 | 23490 | 166 | 24070 |
| 180 | 180 | 139 | 24943 | 142 | 25560 | 149 | 26820 | 157 | 28291 | 165 | 29700 | 169 | 30420 |
| 200 | 200 | 138 | 27528 | 140 | 28000 | 148 | 29600 | 155 | 31062 | 163 | 32600 | 167 | 33400 |
| 230 | 230 | 134 | 30820 | 138 | 31740 | 144 | 33120 | 151 | 34866 | 159 | 36570 | 163 | 37490 |
| 300 | 300 | 130 | 39060 | 134 | 40200 | 140 | 42000 | 148 | 44640 | 155 | 46500 | 160 | 48000 |

ACCESSORIES

Photocell



PIR Sensor



Shorting Cap



3 Pin NEMA Receptacle



5 Pin NEMA Receptacle



7 Pin NEMA Receptacle



Universal Bracket



Slip Fitter



Square Pole Arm Mount



Round Pole Arm Mount



Trunnion Mount



EPA

| Config. | 1 | 2 @ 90° | 2 @ 180° | 3 @ 120° | 3 @ 90° | 4 @ 90° |
|---------|-----|---------|----------|----------|---------|---------|
| | | | | | | |
| EPA | 0.7 | 1.0 | 1.4 | 1.5 | 1.5 | 1.5 |

ORDERING GUIDE

Example: AO-AL01-75-LV-30-DB-UB-T3-SP1

| Fixture Type | Wattage | Voltage | CCT | Finish | Sensor | Mounting | Photometry | Options |
|---------------------------------|--|--|---|---|--|---|---|--|
| AO- <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| AL01 Area/Flood Light | 75 75W 100 100W 120 120W 145 145W 180 180W 200 200W 230 230W 300 300W | LV 120-277V MV 347V HV 277-480V | 30 3000K 40 4000K 50 5000K | DB Dark Bronze BK Black WH White GR Gray | Blank None MS1 40 Ft. PIR | UB Universal Bracket SQ Square Pole RD Round Pole SP Slip Fitter YK Yoke | T3 Type III T4 Type IV T5 Type V TC Custom | SP1 10KV SPD SP2 20KV SPD FAO Field Adj. Watt FAC Field Adj. CCT 3P 3-PIN Photocell 5P 5-PIN Photocell 7P 7-PIN Photocell |

Actual performance may differ as a result of end-user environment and application. All values are design or calculated values measured in laboratory conditions. Specifications subject to change without notice.



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