GLT

ALG LED Area Light

Description

- Innovative universal mounting
- Slim design
- DLC Premium
- Type III and V standard
- 10KV surge protection standard

Intended Applications

- Parking lots, walkways, auto dealerships, outdoor retail shopping centers, recreational spaces, campuses

Performance Summary

Model	Power	Input	Lumens	Optics	CCT
ALG100 ALG150 ALG300	100W 150W 300W	120-277 347-480	14000lm 21000lm 33000lm	Type III Type V	5000K

Ordering Information

FAMILY	Rated Power	Input Volt	Distribution	CCT	Controls
ALG	100 100W 150 150W 300 300W	UV 120-277 HV 347-480	T3 Type 3 T5 Type 5	50K 5000K	10D 0-10V Dim

Construction & Materials

- Slim profile design, reducing the EPA of the fixture and keeping the fixture look elegant and clean
- Heavy duty die-cast aluminum housing, fully sealed to be dirt and bug proof
- Polyester powder-coated finish, rust and corrosion proof; stabilized to extreme climate changes without cracking or peeling

Mounting and Installation

- Innovative installer friendly one-person installation; bracket can be easily slid into the adaptor, reducing installation time to typical 15 minutes
- Revolutionary universal mounting design; brackets come in separate packages and can be dropped into fixture carton on order request, cutting the inventory level to 1/4 than other designs and saving more shipping cost

Environmental System

- Outdoor and wet location (IP65)
- Industry leading 10KV standard surge protection to maximize the lifetime of the fixture

Electrical System

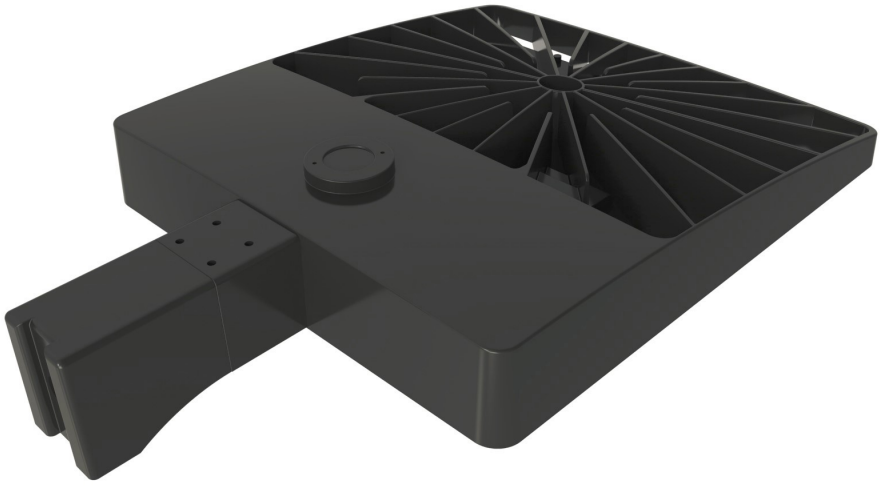
- Integral high performance LED driver
- Universal input voltage 120-277VAC or 347-480VAC, 50/60Hz

Photometrical System

- Ultra efficient LED optics with type III and type V light distribution
- Market available highest efficacy LED modules
- Color temperature 5000K
- Minimum 50,000 hours life
- 0-10V dimming (10%-100%) standard

Thermal Management System

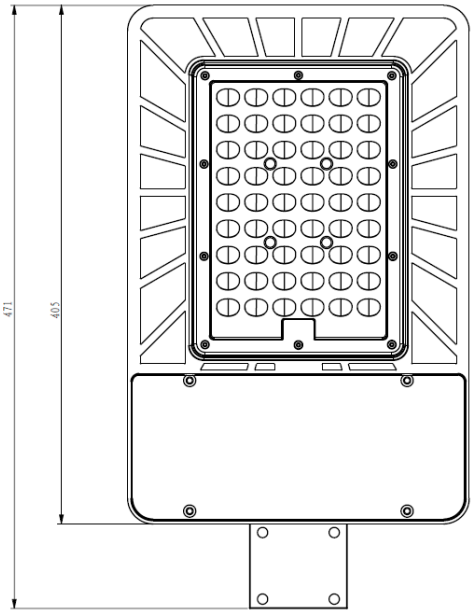
- Optimal thermal management with through holes
- Integral secondary heat sink to optimize thermal transfer and maximize performance and life of LED
- Polished surface for mounting LED modules to maximize the heat dissipation efficiency



SPECIFICATIONS ALG100W

Mechanical Specification	
Length	18.54” (471mm)
Width	10.51” (267mm)
Height	3.35” (85mm)
Net weight	N/A
Housing material	ADC12 aluminum
Finish	Bronze
Environmental Specification	
Operating temp.	-20–40°C
Operating humidity	20–85% RH, non-condensing
Storage temp.	-40–60°C
Ingress protection	IP65 or damp/wet locations
SPD	10KV
Electrical Specification	
Input voltage	120-277VAC or 347-480VAC, 50/60 Hz
Rated wattage	100W
Equivalent wattage	250W MH
Power factor	0.90 min.
Total harmonic distortion	20% max.
Photometrical Specification	
Luminous flux	14500 lm
Efficacy	145 lm/W
CCT	5000K
CRI	70 min.
Material of optics	UV free polycarbonate
Distribution	Type III/V
Lighting Control	
Dimming capacity	0-10V dimming, 10-100%
Longevity And Warranty	
L70 life	50,000 hrs.
Warranty	5 years
Listing And Certificates	
ETL, cETL	
DLC Premium	

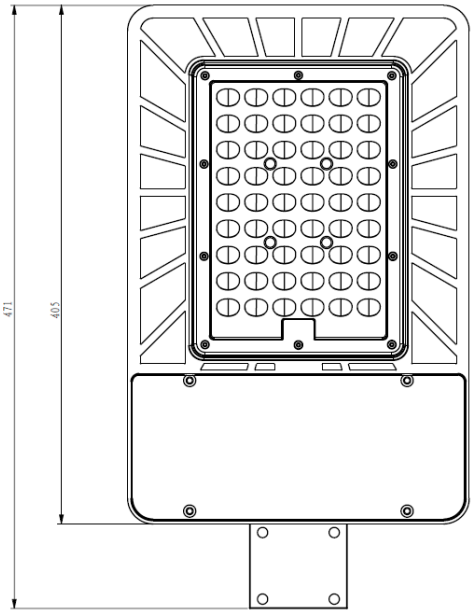
Dimensional Drawing



SPECIFICATIONS ALG150W

Mechanical Specification	
Length	18.54” (471mm)
Width	10.51” (267mm)
Height	3.35” (85mm)
Net weight	N/A
Housing material	ADC12 aluminum
Finish	Bronze
Environmental Specification	
Operating temp.	-20–40°C
Operating humidity	20–85% RH, non-condensing
Storage temp.	-40–60°C
Ingress protection	IP65 or damp/wet locations
SPD	10KV
Electrical Specification	
Input voltage	120-277VAC or 347-480VAC, 50/60 Hz
Rated wattage	150W
Equivalent wattage	400W MH
Power factor	0.90 min.
Total harmonic distortion	20% max.
Photometrical Specification	
Luminous flux	21600 lm
Efficacy	144 lm/W
CCT	5000K
CRI	70 min.
Material of optics	UV free polycarbonate
Distribution	Type III/V
Lighting Control	
Dimming capacity	0-10V dimming, 10-100%
Longevity And Warranty	
L70 life	50,000 hrs.
Warranty	5 years
Listing And Certificates	
ETL, cETL	
DLC Premium	

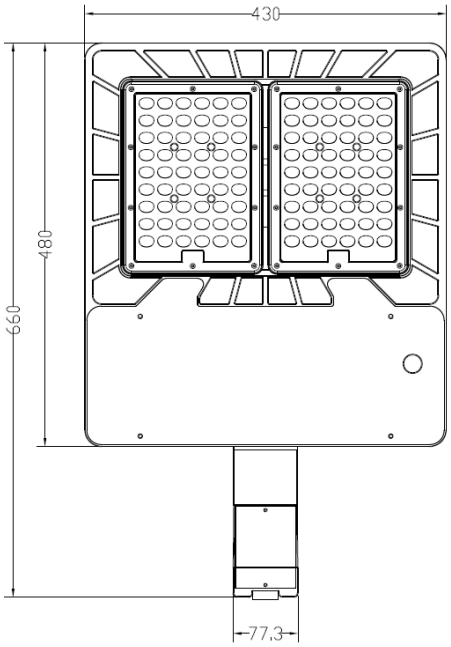
Dimensional Drawing



SPECIFICATIONS	ALG300W

Mechanical Specification	
Length	25.98” (660mm)
Width	16.93” (430mm)
Height	3.46” (88mm)
Net weight	N/A
Housing material	ADC12 aluminum
Finish	Bronze
Environmental Specification	
Operating temp.	-20–40°C
Operating humidity	20–85% RH, non-condensing
Storage temp.	-40–60°C
Ingress protection	IP65 or damp/wet locations
SPD	10KV
Electrical Specification	
Input voltage	120-277VAC or 347-480VAC, 50/60 Hz
Rated wattage	300W
Equivalent wattage	1000W MH
Power factor	0.90 min.
Total harmonic distortion	20% max.
Photometrical Specification	
Luminous flux	45000 lm
Efficacy	150 lm/W
CCT	5000K
CRI	70 min.
Material of optics	UV free polycarbonate
Distribution	Type III/V
Lighting Control	
Dimming capacity	0-10V dimming, 10-100%
Longevity And Warranty	
L70 life	50,000 hrs.
Warranty	5 years
Listing And Certificates	
ETL, cETL	
DLC Premium	

Dimensional Drawing

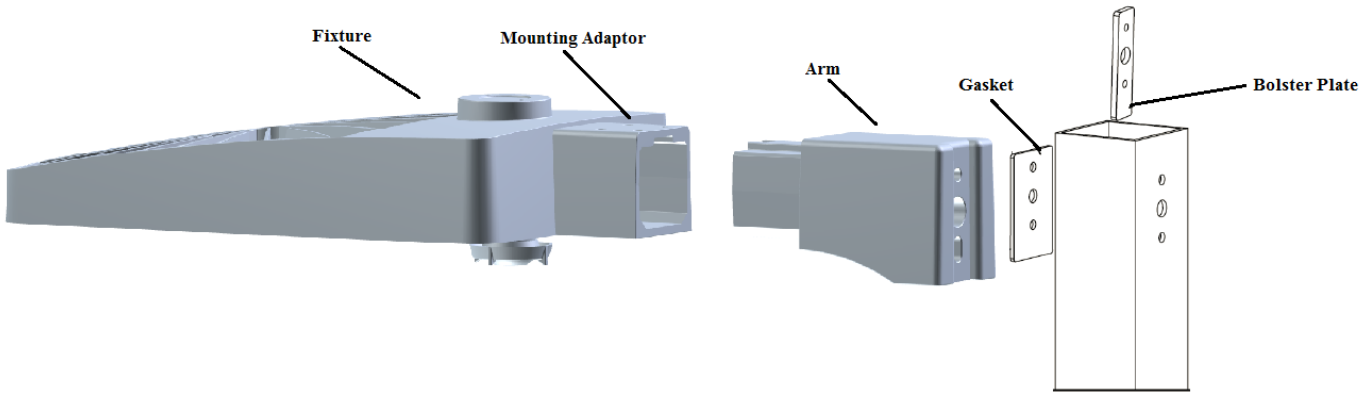


MOUNTING

This area light is available in SQUARE POLE ARM, ROUND POLE ARM, ADJUSTABLE SLIP FITTER, ADJUSTABLE TRUNNION mountings.

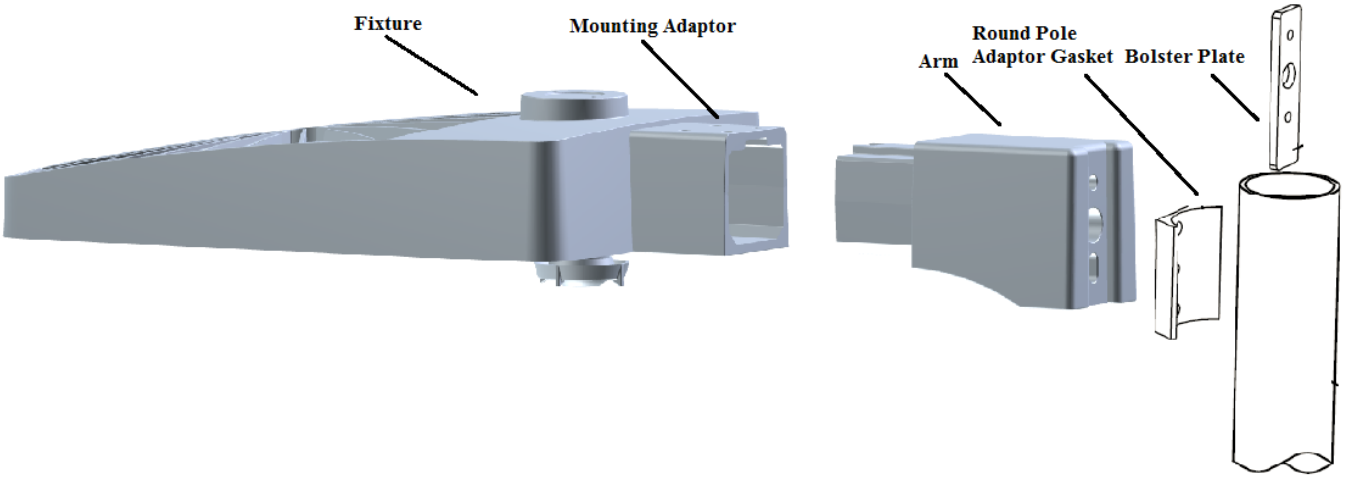
A: SQUARE POLE ARM MOUNT

1. Remove ARM COVER from ARM.
2. Locate ARM onto POLE, and insert LONG BOLTS through ARM, GASKET and threaded into BOLSTER PLATE.
3. Slide MOUNTING ADAPTOR of FIXTURE into ARM.
4. Tighten (4) socket head set screws located on top of MOUNTING ADAPTOR.
5. Route the cord coming from the fixture through ARM and then through pole.
6. Install ARM COVER back to ARM.



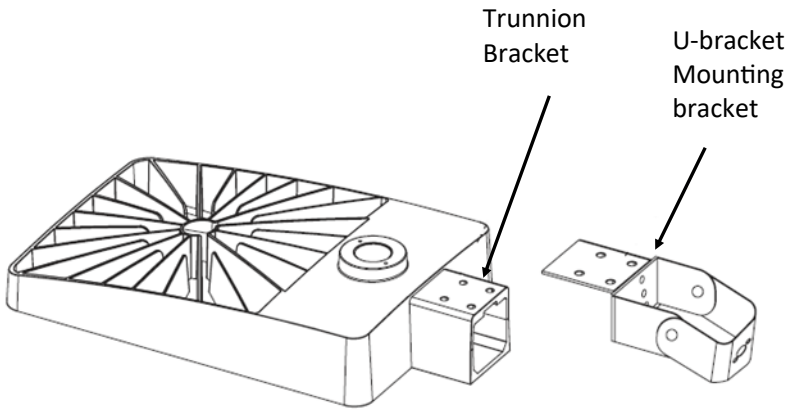
B: ROUND POLE ARM MOUNT

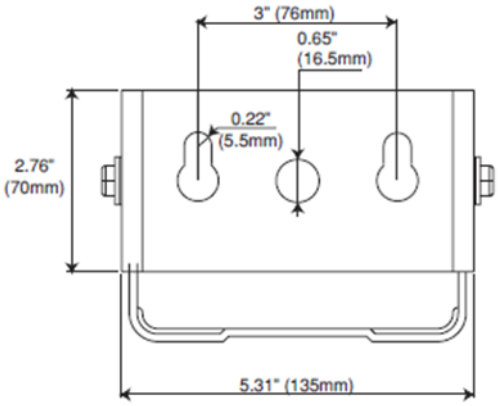
1. Remove ARM COVER from ARM.
2. Locate ARM onto POLE, and insert LONG BOLTS through ARM, ROUND POLE ADAPTOR GASKET and threaded into BOLSTER PLATE.
3. Slide MOUNTING ADAPTOR of FIXTURE into ARM.
4. Tighten (4) socket head set screws located on top of MOUNTING ADAPTOR.
5. Route the cord coming from the fixture through ARM and then through pole.
6. Install ARM COVER back to ARM.



C: ADJUSTABLE TRUNNION MOUNT

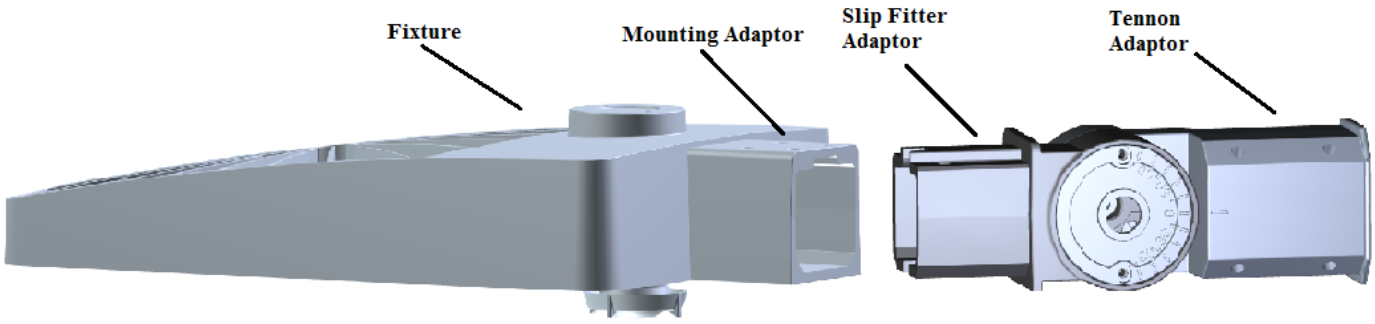
1. Check that the surface structure is drilled according to Trunnion Mount Drilling Pattern, drill a minimum of three (3) holes in the surface where the luminaire is to be mounted.
2. Ensure that the mounting position can safely support the weight of the luminaire
3. Mount the Trunnion Bracket using studs to the surface structure. Make sure that Trunnion Bracket (B) is securely attached
4. Adjust angle as needed
5. Slide Fixture Head and Mounting Adaptor onto Trunnion Bracket. Tighten 4x screws on top of Mounting Adaptor
6. Make necessary electrical connections. SEE WIRING for Electrical Connection and wiring diagram instructions.





D: ADJUSTABLE SLIP FITTER MOUNT

1. Install ADJUSTABLE SLIP FITTER on to TENNON through TENNON ADAPTOR.
2. Slide MOUNTING ADAPTOR of FIXTURE into SLIP FITTER ADAPTOR.
3. Tighten (4) socket head set screws located on top of MOUNTING ADAPTOR.
4. Route the cord coming from the fixture through MOUNTING ADAPTOR, SLIP FITTER ADAPTOR, TENNON ADAPTOR and then through pole.



WIRING

1. Wire input end of the LED driver to supply wires using appropriate wire nut according to wiring section. Wire connections must be insulated and waterproof.
2. Connect the BLACK/BROWN lead to LINE (+) supply lead.
3. Connect the WHITE/BLUE lead to NEUTRAL/COMMON (-) supply lead.
4. Connect the GREEN lead to GROUND supply lead.
   If any, connect PURPLE/BLUE to 0-10V SIGNAL supply lead and GREY/WHITE to 0-10V NEUTRAL/REFERENCE supply lead.

WIRING DIAGRAM

GLT