



Product Overview

The GKOALG5 Area Light series is the cost-effective area lighting solution for mounting heights ranging from 26' to 50', featuring a low-profile, compact housing in an attractive design. A wide range of optional mounting brackets and tenons are available to accommodate varied installation requirements.



Key Features

CONSTRUCTION:

- Rugged single-piece, die-cast aluminum housing with integral heat sink fins.
- Housing has direct contact with the driver to help maintain low temperature and long lifespan.
- 3G vibration rated per ANSI C136.31.
- Housing is completely sealed against moisture and environmental contaminants.

OPTICS:

- Type III, IV, V light distribution available.
- Light engines are available in standard 4000K and 5000K configurations.
- A wide range of lumen options available from 13,900 to 42,000 Lumens, replaces up to 1,000W metal halide.
- Impact and UV-resistant polycarbonate lens is precisely designed to give a specific light distribution, maximizing efficiency and application spacing.

ELECTRICAL:

- Universal 120-277V or 347-480V input voltage.
- 10KV surge protection for 120-277V and 20KV surge protection for 347-480V.
- 1-10V dimming driver(s) as default.
- THD: ≤20%, Power Factor: ≥90%.

CONTROLS:

- Optional twist-lock photocell for additional energy savings - P0 120-277V, P3 347V, or P4 480V.

INSTALLATION:

- Suitable for mounting heights ranging from 26'-60' in area lighting applications.
- Round pole, square pole, slipfitter, wall, and yoke mount are available.
- Designed to be suitable for installation by only one person.

WARRANTY:

- 5 Year Limited Warranty.

LISTINGS:

- DesignLights Consortium® (DLC) Premium qualified.
- UL listed for wet locations.
- Rated for ambient operating temperature -40°F to 104°F (-40°C to 40°C).

Performance Data

Lumen Output

Wattage	Voltage	Distribution Type	4000K(70CRI)		5000K(70CRI)	
			Lumens	Efficacy	Lumens	Efficacy
100W	120-277V / 347-480V	3	14100lm	141lm/W	14100lm	141lm/W
		4	14000lm	140lm/W	13900lm	139lm/W
		5	14200lm	142lm/W	14200lm	142lm/W
150W	120-277V / 347-480V	3	21000lm	140lm/W	21000lm	140lm/W
		4	20500lm	137lm/W	20500lm	137lm/W
		5	21000lm	140lm/W	21000lm	140lm/W
250W	120-277V / 347-480V	3	35000lm	140lm/W	35000lm	140lm/W
		4	35000lm	140lm/W	35000lm	140lm/W
		5	36000lm	144lm/W	35000lm	140lm/W
300W	120-277V / 347-480V	3	42000lm	140lm/W	42000lm	140lm/W
		4	41000lm	137lm/W	41000lm	137lm/W
		5	42000lm	140lm/W	42000lm	140lm/W

BUG Rating

Wattage	Voltage	Distribution Type	B	U	G
100W	120-277V / 347-480V	3	2	0	2
		4	2	0	3
150W	120-277V / 347-480V	3	3	0	3
		4	3	0	3
250W	120-277V / 347-480V	3	4	0	4
		4	4	0	5
300W	120-277V / 347-480V	3	4	0	5
		4	4	0	5

Electrical Data

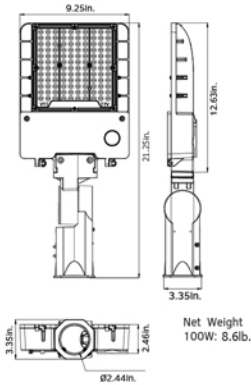
Number of Drivers	Driver Current (mA)	Nominal Power (W)	Input Voltage (V)	Current (Amps)
1	850	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36
	2520	100	347	0.29
		100	480	0.21
1	1200	150	120	1.25
		150	208	0.72
		150	240	0.63
		150	277	0.54
	2600	150	347	0.43
		150	480	0.31
1	4300	250	120	2.08
		250	208	1.20
		250	240	1.04
		250	277	0.90
		250	347	0.72
		250	480	0.52
1	5200	300	120	2.50
		300	208	1.44
		300	240	1.25
		300	277	1.08
		300	347	0.86
		300	480	0.63

EPA of Series GKOALG5 Area Light

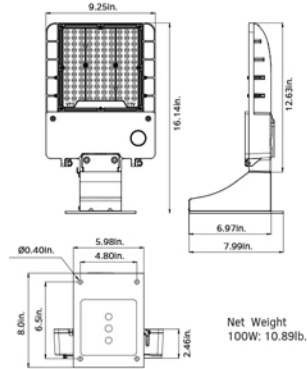
	1	2 @ 90°	2 @ 120°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
100W	0.2751	0.5267	0.7321	0.6164	0.9577	0.9837	0.9577
150W	0.3111	0.6343	0.6464	0.6222	0.9335	0.9696	0.9335
250W / 300W	0.4097	0.7227	0.9919	0.8856	1.1986	1.3049	1.1986

Dimensions & Weight

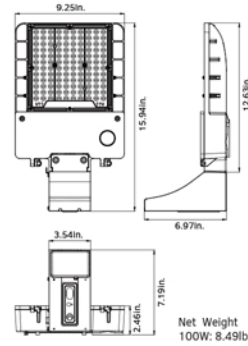
100W (Slipfitter Mount)



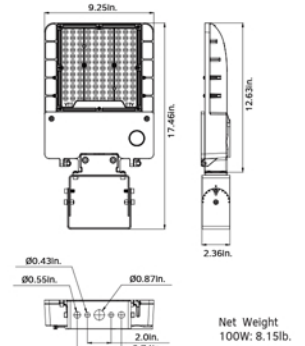
100W (Wall Mount)



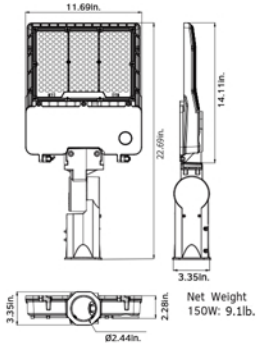
100W (Pole Mount)



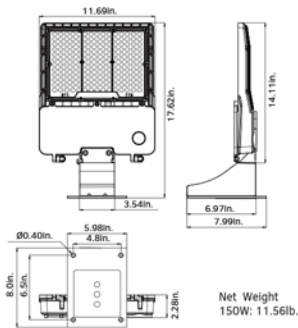
100W (Yoke Mount)



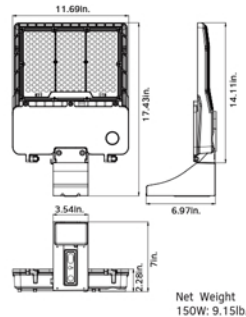
150W (Slipfitter Mount)



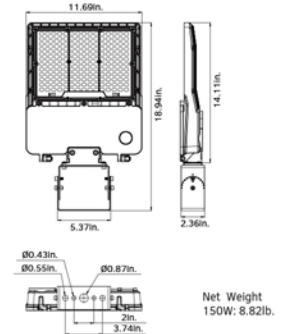
150W (Wall Mount)



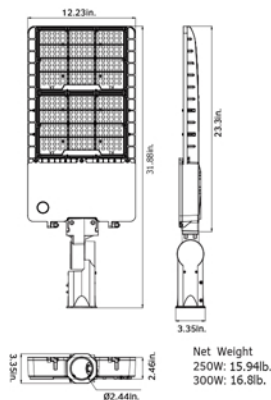
150W (Pole Mount)



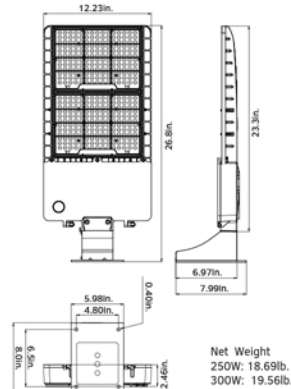
150W (Yoke Mount)



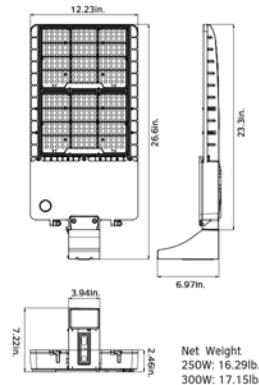
250W / 300W (Slipfitter Mount)



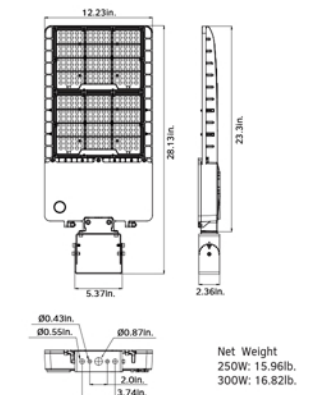
250W / 300W (Wall Mount)



250W / 300W (Pole Mount)



250W / 300W (Yoke Mount)



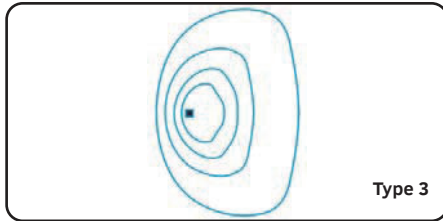
Lighting Distribution

GKOLED 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.

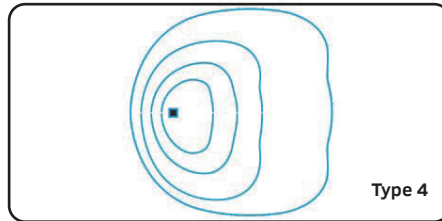
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.

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

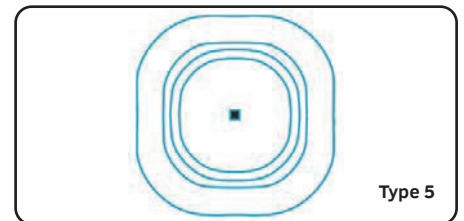
Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires are universal for most area lighting applications.



Type 3



Type 4



Type 5

Mounting Information

Mounting Options



Pole Mount
(4" and 5" Square and Round Poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.



Slipfitter Mount
An optional cast aluminum mast arm adaptor secures fixture head to nominal 2-3/8" O.D. horizontal steel tenon arm.



Wall Mount
Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-Box mounting.



Yoke Mount
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easily aiming of the fixture to one of 13 angles from 0-180°.

Mounting Accessories

ROUND POLE CONNECTING PLATE • For square mount to be fixed to a round pole

Round pole
5" O.D.

Connecting piece

Luminaire

Square pole

Luminaire

Drilling Template

1-1/4" (32mm)

1" (25mm)

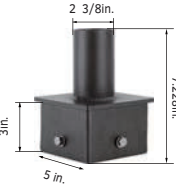
1-1/4" (32mm)

3-7/16" (88mm)

9/16" DIA. HOLE

9/16" HOLE

Additional Accessories

POLE BRACKET • For mounting one fixture on an existing pole			
	<p>4" Square Pole Mount with 2-3/8" O.D. Tenon NO. 4SQ-SP-D FINISH: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p>4" Round Pole Mount with 2-3/8" O.D. Tenon NO. 4SQR-SP-D FINISH: Dark Bronze USE: For use with round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p>5" Square Pole Mount with 2-3/8" O.D. Tenon NO. 5SQ-SP-D FINISH: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p>5" Round Pole Mount with 2-3/8" O.D. Tenon NO. 5SQR-SP-D FINISH: Dark Bronze USE: For use with round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p>2-3/8" O.D. Tenon Mount Adaptor for Yoke Fixtures NO. SP-TR-D FINISH: Dark Bronze USE: The 2-3/8" O.D. Tenon Mount Adaptor for Yoke Fixtures is designed to mount GKOLED light fixtures that are equipped with a yoke mount onto a 2-3/8" O.D. tenon. It may be utilized with the GKOLED flood light series of light fixture.</p>		<p>Angle Adjustment Adaptor NO. SQA-ALDA FINISH: Dark Bronze USE: This durable bracket is engineered as a versatile mounting option. Made from die-cast aluminum, it allows for optimal positioning of the light fixture to maximize the light effectiveness both vertically and horizontally.</p>
WALL BRACKET • Attaches to any flat surface • Provides wiring access		MID-POLE TENON BRACKET	
	<p>90° Wall Mount Bracket with 2-3/8" O.D. Tenon NO. WM-SP-D FINISH: Dark Bronze USE: The 90° Wall Mount Bracket with 2-3/8" Tenon attaches a GKOLED flood light to almost any surface, wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>		<p>2-3/8" O.D. Horizontal Tenon Mid-Pole Bracket NO. SQ-SP-D FINISH: Dark Bronze USE: The 2-3/8" O.D. Horizontal Tenon Mid-Pole Bracket is designed to mount a light fixture that is equipped with an adjustable slipfitter onto a 2-3/8" O.D. horizontal tenon.</p>
ROUND EXTERNAL MOUNT HORIZONTAL TENON • To mount 2, 3, or 4 fixtures on an existing pole			
	<p>Double 90° Horizontal Tenon Adaptor NO. R60-SP2-90-D FINISH: Dark Bronze USE: The Bracket is designed to mount over a 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p>Triple 120° Horizontal Tenon Adaptor NO. R60-SP3-120-D FINISH: Dark Bronze USE: The Bracket is designed to mount over a 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p>Double 180° Horizontal Tenon Adaptor NO. R60-SP2-180-D FINISH: Dark Bronze USE: The Bracket is designed to mount over a 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		<p>Quad 90° Horizontal Tenon Adaptor NO. R60-SP4-90-D FINISH: Dark Bronze USE: The Bracket is designed to mount over a 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>
	<p>Triple 90° Horizontal Tenon Adaptor NO. R60-SP3-90-D FINISH: Dark Bronze USE: The Bracket is designed to mount over a 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally.</p>		

Ordering Information

Area Light Series GKOALG5 Example: GKOALG5100W27V50KDPOSQT3S

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Optional)	Mounting	Photometry	Surge Protection
<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"/>
GKOALG5	100W	27V 120-277V 48V 347-480V	40K 4000K 50K 5000K	D Dark Bronze B Black W White SG Silver Gray	P0 120-277V Photocell P3 347V Photocell P4 480V Photocell Blank Without Photocell	SQ Square Pole Mount SP Slipfitter Mount WM Wall Mount YK Yoke Mount	T3 Type III Photometry T4 Type IV Photometry T5 Type V Photometry	S Surge Protection

Area Light Series GKOALG5 Example: GKOALG5150W27V50KDPOSPT3

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Optional)	Mounting	Photometry
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
GKOALG5	150W 250W 300W	27V 120-277V 48V 347-480V	40K 4000K 50K 5000K	D Dark Bronze B Black W White SG Silver Gray	P0 120-277V Photocell P3 347V Photocell P4 480V Photocell Blank Without Photocell	SQ Square Pole Mount SP Slipfitter Mount WM Wall Mount YK Yoke Mount	T3 Type III Photometry T4 Type IV Photometry T5 Type V Photometry