ENERGYLITE

SPECIFICATION CODE

PROJECT

TYPE

MEMO

ORDERING CODE BREAKDOWN

GL6C

LED GRIDLITE SITE LIGHT FIXTURE

MAIN FEATURES

- Designed with a die-cast, aluminum alloy housing for optimal thermal performance and exceptional corrosion resistance
- Delivering up to 139 lumens per watt
- 54,000- to 73,000 lumen packages (400-580W)
- Extended site arm offers universal mounting, allowing for retrofit without drilling into existing poles
- All mounting options allow for multiple fixture installations at 90°
- TGIC polyester super durable powder coating with superior gloss, color retention, and weather resistance
- 0-10V dimming standard; DALI-2 dimming option available



Extended Site Arm
EPA: 0.57 sq. ft.
WEIGHT: 46.4 lbs.

IP66 · cULus · ZD4 · FC · RoHS COMPLIANT

ORDERING INFORMATION — Example: GL6c/60H/2RM/830/STD/10/1PS/30/SBZ/ES/HSS-PCL01

GL6c /

Package /
- 54H - *55,000 lm; 397W*
- 56H - *57,000 lm; 440W*
- 58H - *60,000 lm; 448W*
- 60H - *62,000 lm; 466W*
- 64H - *65,000 lm; 492W*
- 66H - *67,000 lm; 518W*
- 68H - *68,000 lm; 530W*
- 70H - *70,000 lm; 551W*
- 75H - *73,000 lm; 578W*

Distribution /
- 2RM - *Type II Roadway Medium*
- 3RM - *Type III Roadway Medium*
- 4WS[4] - *Type IV Wide Short*
- 5QS - *Type V Square Short*
- 5QM - *Type V Square Medium*

CRI /
- 7 - *70+*
- 8 - *70+*

CCT /
- 27* - *2700K*
- 30 - *3000K*
- 40 - *4000K*
- 50* - *5000K*
- 57* - *5700K*

Voltage /
- STD - *120-277V*
- HVL* - *277-480V*

Controls /
- 10 - *0-10 V*
- DA* - *DALI-2*

Surge /
- 1PS - *10kV 5kA, 120-277V*
- 2PS* - *20kV 10kA, 120-277V*
- 2PH* - *20kV 10kA, 277-480V*

Photocell Receptacle /
- 00[2] - *none (capped)*
- 70* - *7 pin*
- 0Z[2]* - *Zhaga*

Finish /
- SBZ[2] - *Bronze (RAL8019)*
- SWH[12] - *White (RAL9003)*
- SGY[12] - *Grey (RAL7038)*
- SBK[12] - *Black (RAL9017)*

** Additional finish colors available upon request*

Mounting /
- ES - *Extended Site Arm*
- HT - *Horizontal Tenon*
- KM - *Knuckle Mount*
- KMS - *Knuckle Mount with 6' side entry pigtail*
- ES-WM - *Extended Site Arm with Wall Mount*
- ES-RP - *Extended Site Arm with Round Pole Adapter*

Options + Accessories /

(Field-installed)
- HSS[34] - *House-side Shield*
- CSS[3] - *Cul-de-sac Shield*
- FSS[3] - *Front-side Shield*
- SS[34] - *Scoop Shield*

- ZT1 - *0-10V Ambient Light Control (ALC)*
- ZT3 - *0-10V IR + ALC*
- ZT4 - *0-10V Occupancy + IR + ALC (CA T24)*
- ZD4 - *DALI Zhaga Occupancy + ALC*

- SC - *Shorting Cap*
- PCL01 - *120-277V Photocell, 640J, IP65*
- PCL02 - *120-277V Photocell, 1280J, IP66*
- PCL03 - *347-480V Photocell, 1280J, IP66*

(Factory-installed)
- FAO - *Field Adjustable Output*
- 6P - *6 ft. Pigtail*
- ALB - *ANSI C136.15 Labeling*

* Special offering, consult factory for lead time and availability.
[2] 00 and 0Z achieved with stamped aluminum plate with gasket to cover photocell receptacle knockout.
[3] Flat-black, injection molded plastic resin, tool-less, clip-on discrete shield.
[4] HSS not compatible with 4WS optics, instead use SS.

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FINISH
- TGIC polyester super-durable powder coating with superior gloss, color retention and weather resistance
- Standard finishes provided at 3 mil nominal thickness, salt-spray-tested to 3,000 hours as per ASTM B117
- For marine-grade finish, consult factory. Provided at 5 mil nominal thickness, salt-spray-tested to 4,000 hours as per ASTM B117

ELECTRICAL
- 120-277 V Standard; 277-480 V option available
- PF>0.9, THD<20%
- Parallel surge protection: enhanced 10kV standard, extreme 20kV optional (ANSI C136.2-2015)
- For series surge protection, consult factory
- Rated for operation -40°C to 40°C
- For 50°C option, consult factory

CONSTRUCTION
- Die-cast, aluminum alloy housing for optimal thermal performance and exceptional corrosion resistance
- 100% recycled aluminum

OPTICS + PERFORMANCE
- Up to 139 lumens per watt
- 54,000- to 73,000 lumen packages (400-580W)
- 5 customized distributions available
  - Type II Roadway Medium (Coefficient of Utilization: 0.793)
  - Type III Roadway Medium (Coefficient of Utilization: 0.852)
  - Type IV Wide Short (Coefficient of Utilization: 0.840)
  - Type V Square Short
  - Type V Square Medium
- Multiple shielding options available

MOUNTING
- Extended site arm offers universal mounting, allowing for retrofit without drilling into existing poles
- All mounting options allow for multiple fixture installations at 90°
- Wall-mount and round pole adapters available for extended site arm

CONTROLS
- 0-10 V dimming standard
- DALI-2 dimming option available
- Receptacle options:
  - ANSI C136.41 3-pin
  - ANSI C136.41 7-pin (for DALI-2 or 0-10 V dimming)
  - Zhaga Book 18 (for next generation ambient light/motion sensing)

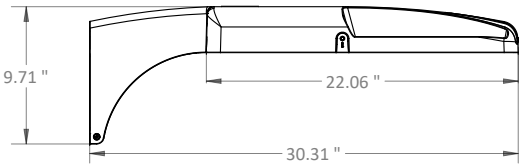
LISTINGS
- IP66-rated optical and electrical chambers
- 3G Vibration-rated (ANSI C136.31)
- cULus Listed for wet locations
- IDA Dark Sky listed with ≤3000K and Site Arm or Horizontal Tenon
- Zhaga D4i listed
- ANSI C136.15 labeling available

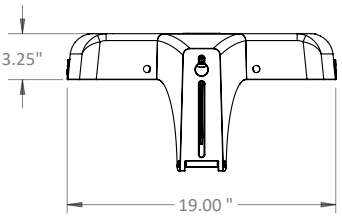
WARRANTY
- 10-year warranty

Extended Site Arm

Weight
46.4 lbs.



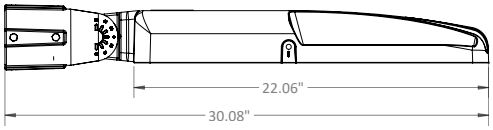


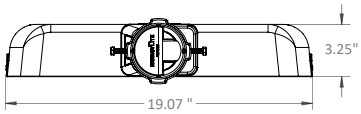


Knuckle

Weight
45.6 lbs.



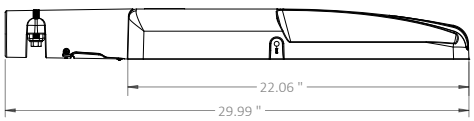


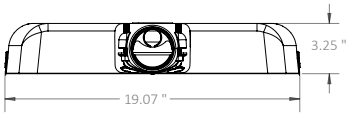


Horizontal Tenorn

Weight
45 lbs.







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LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Ambient Temperature		Lumen Multiplier
Celsius	Fahrenheit	
0°C	32°F	1.02
10°C	50°F	1.01
25°C	77°F	1.00
40°C	104°F	0.99
50°C	122°F	0.97

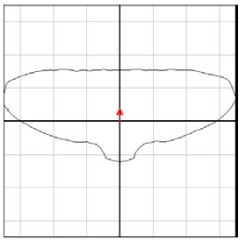
TM-21 LUMEN MAINTENANCE PROJECTION

Calculated by utilizing the LED manufacturer's LM80 test data in conjunction with third party verified in-situ LED drive current and LED temperature data. Use data below to determine light loss factors.

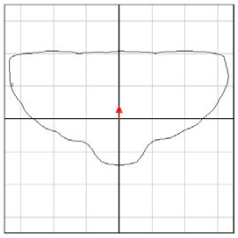
50,000 hrs	60,000 hrs	100,000 hrs
99.67%	99.49%	98.77%

PHOTOMETRIC DISTRIBUTION

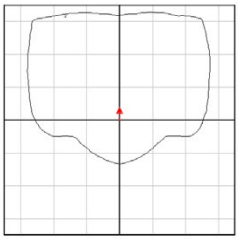
TYPE II ROADWAY MEDIUM



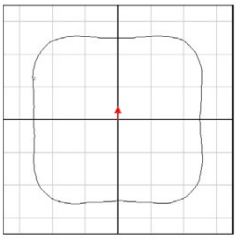
TYPE III ROADWAY MEDIUM



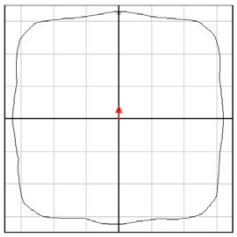
TYPE IV WIDE SHORT



TYPE V SQUARE SHORT



TYPE V SQUARE MEDIUM



SHIELD ACCESSORY DETAILS

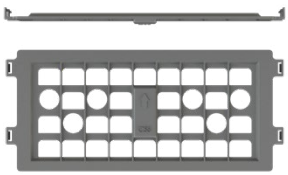
HOUSE SIDE SHIELD

- Flat-black, injection molded plastic resin
- Tool-less, clip-on discrete shield



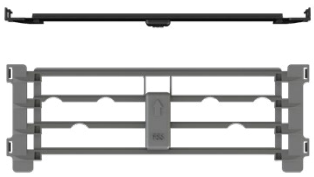
CUL-DE-SAC SHIELD

- Flat-black, injection molded plastic resin
- Tool-less, clip-on discrete shield



FRONT SIDE SHIELD

- Flat-black, injection molded plastic resin
- Tool-less, clip-on discrete shield



SCOOP SHIELD

- Flat-black, injection-molded plastic resin
- Tool-less, clip-on discrete shield



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CONTROL OPTIONS

0-10 V ZHAGA OPTIONS

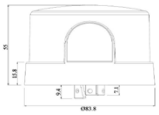
- ZT1: Ambient Light Control
- ZT3: IR + Ambient Light Control
- ZT4: Occupancy + IR + Ambient Light Control
- ZT5: Casambi Bluetooth Low Energy + Ambient Light Control





PHOTOCELL OPTIONS

- PCL01: 120-277 V Photocell (640J, IP65); Blue
- PCL02: 120-277 V Photocell (1280J, IP66); Blue
- PCL03: 347-480 V Photocell (1280J, IP66); Yellow
- PCL04: Midnight Dimming, 347-480 V Photocell (1280J, IP65); Brown











FIELD ADJUSTABLE OUTPUT (FAO)

FAO Setting	Output
A	100%
B	90%
C	85%
D	80%
E	75%
F	65%
G	60%
H	55%
J	50%



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