

PROJECT

TYPE

MEMO

ORDERING CODE BREAKDOWN

LED BROADLITE (GEN 2)
FLOOD LIGHT FIXTURE

MAIN FEATURES

- Designed with a die-cast, aluminum alloy housing for optimal thermal performance and exceptional corrosion resistance
- Up to 155 lumens per watt
- 18,000- to 30,000 lumen packages (131-238W)
- All mounting options allow for multiple fixtures 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
- BAA/BABA Compliance available; *Consult factory to confirm specific fixture code is compliant if this is a requirement*
- **Designed and assembled in U.S.A.!**



Knuckle Mount

EPA: 0.47 sq. ft.

WEIGHT: 21.45 - 22.41 lbs.



FIXTURE	LUMENS	BEAM SPREAD	CRI	CCT	VOLTAGE CONTROLS		SURGE	PHOTOCELL RECEPTACLE	FINISH	MOUNTING	FIXTURE OPTIONS	FIELD OPTIONS
BL2	18H:18,000 lm; 131W	N66 : NEMA 6x6	7 : 70 CRI	30 : 3000K	STD : 120-277V	10 : 0-10V	1PS:10kV 5kA, 120-277V	00 : None	SBZ : Bronze (RAL8019)	KM : 3" OD Knuckle Mount	ZT1 : 0-10V Z Ambient Light Control	SOL28 HSS : House-side Shield
	20H:20,000 lm; 150W	N75 : NEMA 7x5	8 : 80 CRI	40 : 4000K	HVL : 277-480V	DA : DALI-2 D4i	2PS:*20kV 10kA, 120-277V	70 : 7-pin	SGY : Gray (RAL7038)	TM : Trunion Mount	ZT3 : 0-10V Z IR + Ambient Light Control	SOL28 FSS : Front-side Shield
	23H:23,000 lm; 180W			50 : 5000K	SEM : 120-277V w/ 20W EM		2PH:*20kV 10kA, 277-480V	0Z : Z receptacle	SWH : White (RAL9003)		ZT4 : 0-10V Z Occupancy + IR + Ambient Light Control	SOL28 CSS : Cul-de-Sac Shield
	26H:26.000 lm; 212W								SBK : Black (RAL9017)		ZT5 : 0-10V Z Casambi Bluetooth Mesh Node	SOL28 SS : Scoop Shield
	28H:29,000 lm; 238W								MBZ : *Marine Bronze MGY : *Marine Grey MWH : *Marine White MBK : *Marine Black			PCL-01 : 120-277V Photocell PCL-02 : 120-277V Photocell PCL-03 : 347-480V Photocell PCL-04 : 347-480V Photocell (Midnight Dim) PCL-05 : 120-277V Photocell (Midnight Dim) ENL-SC1 : Shorting Cap

Notes: †Consult factory to verify BAA/BABA compliant products.

*Consult factory for lead time and availability.

Additional CRIs and/or CCTs available upon request

SEM not compatible with 7-pin (70) or Z receptacle (0Z)

ZT1 - ZT5 options only available with 10 : 0-10V Dimming

HVL unavailable with ZT1 - ZT5 photocell receptacles.

Shields are flat-black, injection molded plastic resin, tool-less, clip-on discrete shield.

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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

MOUNTING

- Knuckle mount is a 3" O.D. offering 7.5° tilt increments
- Trunion mount offers 15° tilt increments
- All mounting options allow for multiple fixture installations at 90°

CONSTRUCTION

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

ELECTRICAL

- 120~277 V Standard; 277-480V 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

OPTICS + PERFORMANCE

- Up to 155 lumens per watt
- 18,000- to 30,000 lumen packages (131-238W)
- 5 customized distributions available
 - Type III Roadway Medium
 - NEMA 6x6
- Multiple shielding options available

CONTROLS

- 0-10 V dimming standard; DALI-2 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

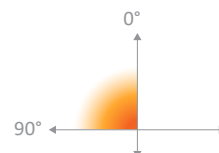
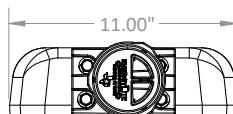
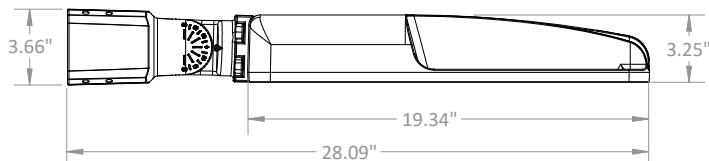
- IP66-rated optical and electrical chambers
- 3G Vibration-rated (ANSI C136.31)
- cULus Listed for wet locations
- Zhaga D4i listed
- ANSI C136.15 labeling available
- BAA/BABA Compliance available; *Consult factory to confirm specific fixture code is compliant if this is a requirement*
- **Designed and assembled in U.S.A.**

WARRANTY

- 5-year warranty

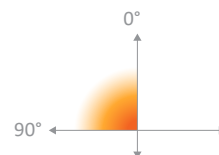
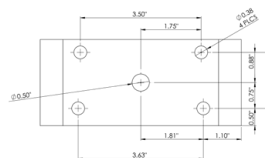
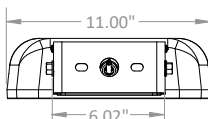
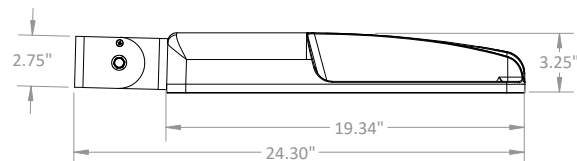
(KM) Knuckle

- Mounts to maximum 3" O.D. tenon
- Adjustable at 7.5° increments
- Not recommended to angle luminaire past 0° (vertical); maintain downward angle



(TM) Trunnion

- Adjustable at 15° increments
- Not recommended to angle luminaire past 0° (vertical); maintain downward angle



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FLOOD LIGHT FIXTURE

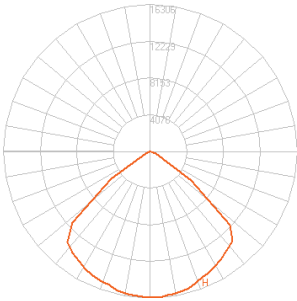
POLE CONFIGURATION EPAs

▪ Data below includes luminaire and integrated mounting option. Additional tenons, arms and brackets are not included.

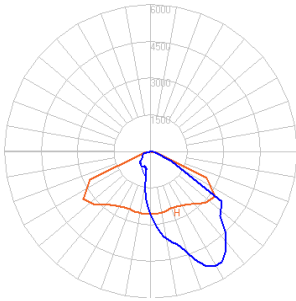
Mounting Type	Tilt	Single	2 at 90°	2 at 180°	3 at 90°	4 at 90°	2 Side-by-side
Knuckle Mount (KM) + Knuckle Mount Side Entry (KMS)	90° (horizontal)	0.73 sq. ft.	1.14 sq. ft.	1.46 sq. ft.	1.87 sq. ft.	1.87 sq. ft.	0.82 sq. ft.
	60°	0.73 sq. ft.	1.75 sq. ft.	1.46 sq. ft.	2.48 sq. ft.	2.48 sq. ft.	2.04 sq. ft.
	45°	0.73 sq. ft.	2.06 sq. ft.	1.46 sq. ft.	2.80 sq. ft.	2.80 sq. ft.	2.66 sq. ft.
	30°	0.73 sq. ft.	2.29 sq. ft.	1.46 sq. ft.	3.02 sq. ft.	3.02 sq. ft.	3.12 sq. ft.
	0° (vertical)	0.73 sq. ft.	2.53 sq. ft.	1.46 sq. ft.	3.26 sq. ft.	3.26 sq. ft.	3.60 sq. ft.
Trunnion Mount (TM)	90° (horizontal)	0.61 sq. ft.	0.91 sq. ft.	1.22 sq. ft.	1.52 sq. ft.	1.52 sq. ft.	0.60 sq. ft.
	60°	0.61 sq. ft.	1.52 sq. ft.	1.22 sq. ft.	2.14 sq. ft.	2.14 sq. ft.	1.82 sq. ft.
	45°	0.61 sq. ft.	1.81 sq. ft.	1.22 sq. ft.	2.42 sq. ft.	2.42 sq. ft.	2.40 sq. ft.
	30°	0.61 sq. ft.	2.02 sq. ft.	1.22 sq. ft.	2.63 sq. ft.	2.63 sq. ft.	2.81 sq. ft.
	0° (vertical)	0.61 sq. ft.	2.18 sq. ft.	1.22 sq. ft.	2.80 sq. ft.	2.80 sq. ft.	3.14 sq. ft.

PHOTOMETRIC DISTRIBUTION

NEMA 6x6 (N66)



Type NEMA 7x5 (N75)



SHIELD ACCESSORY DETAILS

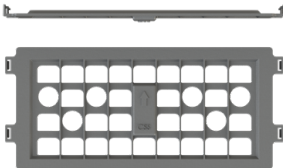
HOUSE SIDE SHIELD (HSS)

- Flat-black, injection molded plastic resin
- Tool-less, clip-on discrete shield
- Blocks light behind the fixture



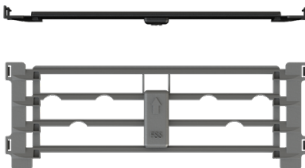
CUL-DE-SAC SHIELD (CSS)

- Flat-black, injection molded plastic resin
- Tool-less, clip-on discrete shield
- Blocks light to left and right of the fixture



FRONT SIDE SHIELD (FSS)

- Flat-black, injection molded plastic resin
- Tool-less, clip-on discrete shield
- Blocks light in front of the fixture.



SCOOP SHIELD (SS)

- Flat-black, injection-molded plastic resin
- Tool-less, clip-on discrete shield
- Blocks light behind the fixture (4WS only)



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PERFORMANCE DATA

Performance Package	Drive Current	Color Temperature (CCT)	Input Power (Watts)	TYPE NEMA 7x5 AT 70 CRI			TYPE NEMA 6x6 AT 70 CRI		
				Lumens	Efficacy (lm/W)	Maximum Candela (cd)	Lumens	Efficacy (lm/W)	Maximum Candela (cd)
18H	776mA	5000K	131.4	20,343	155	8,834	19,838	151	14,663
		4000K		20,069	153	8,715	19,570	149	14,465
		3000K		18,478	141	8,024	18,019	137	13,319
20H	854mA	5000K	149.6	22,521	151	9,780	21,962	147	16,233
		4000K		22,218	149	9,648	21,666	145	16,014
		3000K		20,457	137	8,884	19,948	133	14,745
23H	1022mA	5000K	180.3	25,881	144	11,239	25,237	140	18,654
		4000K		25,532	142	11,088	24,898	138	18,403
		3000K		23,508	130	10,209	22,924	127	16,944
26H	1189mA	5000K	212.4	28,933	136	12,565	28,214	133	28,214
		4000K		28,543	134	12,395	27,834	131	27,834
		3000K		26,281	124	11,413	25,628	121	25,628
28H	1323mA	5000K	238.1	30,975	130	13,451	30,205	127	22,326
		4000K		30,558	128	13,270	29,798	125	22,025
		3000K		28,135	118	12,218	27,436	115	20,279

WEIGHT

Mounting	Weight
Trunnion Mount (TM)	22.12 lbs.
Knuckle Mount (KM)	21.07 lbs.

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.

Performance Package	50,000 Hrs	60,000 Hrs	100,000 Hrs
18H to 23H	99.67%	99.49%	98.77%
26H	98.95%	98.62%	97.30%
28H	95.73%	94.83%	91.34%

ELECTRICAL LOAD

Performance Package	Input Power	Current (Amps) per Input Voltage					
		120 Vac	208 Vac	240 Vac	277 Vac	347 Vac	480 Vac
18H	131.4 W	1.10	0.63	0.55	0.47	0.38	0.27
20H	149.6 W	1.25	0.72	0.62	0.54	0.43	0.31
23H	180.3 W	1.50	0.87	0.75	0.65	0.52	0.38
26H	212.4 W	1.77	0.83	0.72	0.63	0.50	0.36
28H	238.1 W	1.98	1.14	0.99	0.86	0.69	0.50



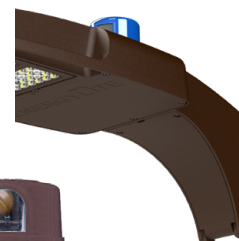
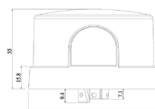
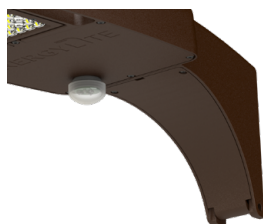
CONTROLS

0-10 V ZHAGA OPTIONS

- ZT1: Ambient Light Control
- ZT3: IR + Ambient Light Control
- ZT4: Occupancy + IR + Ambient Light Control
- ZT5: 0-10V Zhaga Casambi BLE + ALC

PHOTOCELL OPTIONS

- PCL01: 120-277V Photocell (640J, IP65); Blue
- PCL02: 120-277V Photocell (1280J, IP66); Blue
- PCL03: 347-480V Photocell (1280J, IP66); Yellow
- PCL04: 50% Midnight Dimming, 347-480V Photocell (1280J, IP65); Brown
- PCL05: 50% Midnight Dimming, 120-277V Photocell (1280J, IP65); Brown



POLE INFORMATION

• Solais offers a full line of aluminum and steel poles, brackets and accessories for your installation. For more information, consult factory.

SQUARE STRAIGHT

- 8-39 ft. height options

ROUND STRAIGHT

- 8-35 ft. height options

ROUND TAPERED

- 8-39 ft. height options
- 45-70 ft. telescoping height options

SQUARE TAPERED

- 20-50 ft. height options

HINGED TAPERED

- 20-39 ft. height options

