

PROJECT TYPE

SPECIFIER MEMO

ORDERING CODE BREAKDOWN

MAIN FEATURES

- A die-cast, aluminum alloy housing with Polyester super durable powder coating for optimal thermal performance, weather resistance, gloss/color retention, and exceptional corrosion resistance
- 3,000 lumens at 20W to 16,000 lumens at 125W
- Delivering up to 164 lm/W
- Integral photocells, motions sensors, and Casambi wireless bluetooth integration
- 5 mounting options available; All mounting options allow for multiple fixture installations at 90°
- 120-277V with dim-to-off 0-10V dimming standard
- Multiple field-installed shielding options available



Extended Site Arm

EPA: 0.26 sq. ft.

WEIGHT: 11.19 lbs.



FIXTURE	LUMENS	BEAM SPREAD	CRI	CCT	VOLTAGE	CONTROLS	SURGE	PHOTOCELL RECEPTACLE	FINISH	MOUNTING	FIXTURE OPTIONS	ADAPTER OPTIONS	FIELD OPTIONS
GL1C	3H : 3,000 lm; 20W	2RM : Type II Roadway Medium	7 : 70 CRI	30 : 3000K	STD : 120-277V	10 : 0-10V	1PS : 10kV 5kA, 120-277V	00 : None	SBZ : Bronze (RAL8019)	SA : Site Arm	ZT1 : 0-10V Z Ambient Light Control	RP : Site Arm Round Pole Adapter	SOL28 HSS : House-side Shield
	4H : 4,000 lm; 30W	3RM : Type III Roadway Medium	8 : 80 CRI	40 : 4000K			2PS : *20kV 10kA, 120-277V	0Z : Z receptacle	SGY : Gray (RAL7038)	ES : Extended Site Arm	ZT3 : 0-10V Z IR + Ambient Light Control	SMCB : Wall Pack Surface Mount Conduit Box	SOL28 FSS : Front-side Shield
	5H : 5,000 lm; 40W	4WS : Type IV Wide Short		50 : 5000K				PB : Button-eye	SWH : White (RAL9003)	KM : 3" OD Knuckle	ZT4 : 0-10V Z Occupancy + IR + Ambient Light Control	ERP : Extended Site Arm Round Pole Adapter	SOL28 CSS : Cul-de-Sac Shield
	7H : 7,000 lm; 50W	5QS : Type V Square Short							SBK : Black (RAL9017)	HT : Horizontal Tenon	ZT5 : 0-10V Z Casambi Bluetooth Mesh Node		SOL28 SS : Scoop Shield
	8H : 8,000 lm; 60W	5QM : Type V Square Medium								WP : Wall Pack			
	9H : 9,000 lm; 70W												
	10H : 10,000 lm; 80W												
	11H : 11,000 lm; 90W												
	12H : 12,000 lm; 100W												
	13H : 13,000 lm; 110W												
	14H : 14,000 lm; 120W												

Notes: * Special offering, consult factory for lead time and availability.
Sheilds are flat-black, injection molded plastic resin, tool-less, clip-on discrete shield

Additional CRIs and/or CCTs available upon request
HSS not compatible with 4WS optics, instead use SS.

PROJECT

TYPE

ELECTRICAL

- 120-277V
- 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 164 lumens per watt
- 3,000- to 16,000-lumen packages (20-70W)
- 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

CONSTRUCTION

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

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

CONTROLS

- Dim-to-off 0-10V dimming standard
- Integral photocells, motions sensors, and Casambi wireless bluetooth integration
- Zhaga Book 18 Receptacle option for next generation ambient light/motion sensing
- Button-eye photocell

MOUNTING

- All mounting options allow for multiple fixture installations at 90°
- Round pole adapter available for site arm as a field installed option
- Surface mount conduit box (SMBC) available for wall pack as a field installed option

LISTINGS

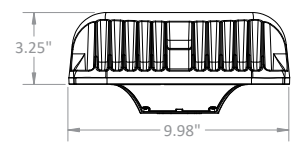
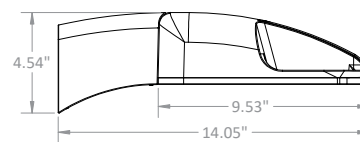
- IP66-rated optical and electrical chambers
- 3G Vibration-rated (ANSI C136.31)
- cULus Listed for wet locations
- IDA Dark Sky listed with ≤3000K and Site Arm or Horizontal Tenon
- Zhaga D4i listed

WARRANTY

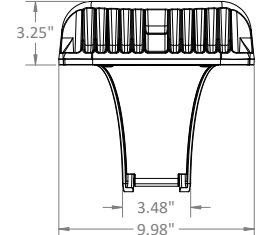
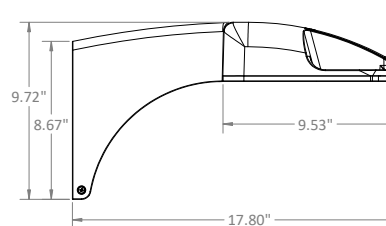
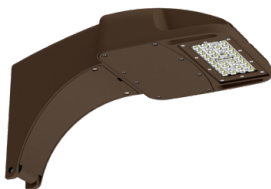
- 5-year warranty

Site Arm (SA)

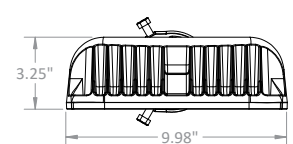
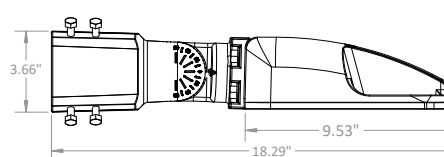
EPA (front)	EPA (side)	Weight
0.25 sq. ft.	0.28 sq. ft.	11.19 lbs.

**Extended Site Arm (ES)**

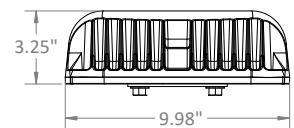
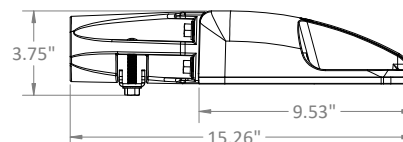
EPA (front)	EPA (side)	Weight
0.40 sq. ft.	0.46 sq. ft.	13.69 lbs.

**Knuckle (KM)**

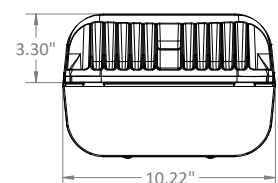
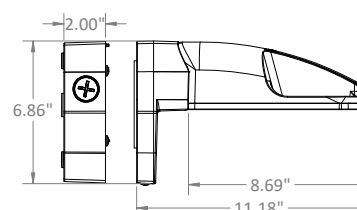
EPA (front)	EPA (side)	Weight
0.32 sq. ft.	0.37 sq. ft.	11.88 lbs.

**Horizontal Tenon (HT)**

EPA (front)	EPA (side)	Weight
0.22 sq. ft.	0.30 sq. ft.	11.88 lbs.

**Wall Pack (WP)
and (WP-SMBC)**

EPA (front)	EPA (side)	Weight
0.46 sq. ft.	0.23 sq. ft.	12.30 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

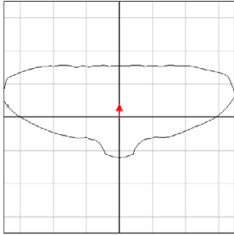
TM-21 LUMEN MAINTENANCE PROJECTION

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.

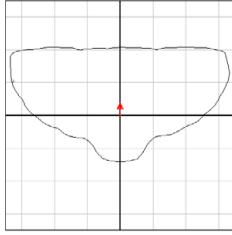
50,000 hrs	60,000 hrs	100,000 hrs
99.67%	99.49%	98.77%

PHOTOMETRIC DISTRIBUTION

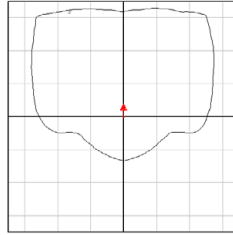
TYPE II ROADWAY MEDIUM (2RM)



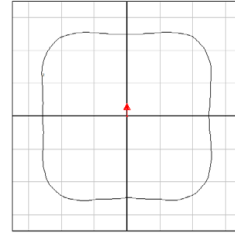
TYPE III ROADWAY MEDIUM (3RM)



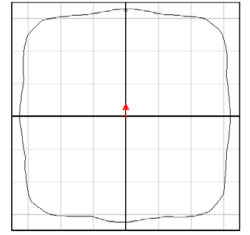
TYPE IV WIDE SHORT (4WS)



TYPE V SQUARE SHORT (5QS)



TYPE V SQUARE MEDIUM (5QM)



SHIELD ACCESSORY DETAILS

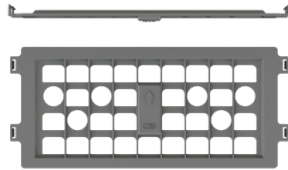
HOUSE SIDE SHIELD (HSS)

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



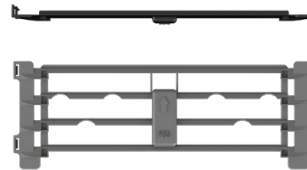
CUL-DE-SAC SHIELD (CSS)

- 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)



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



PROJECT

TYPE

LED GRIDLITE
SITE LIGHT FIXTURE

Performance Package	Wattage Label	Drive Current	Color Temp. (CCT)	Input Power (Watts)	TYPE II ROADWAY MED (2RM) AT 70 CRI			TYPE III ROADWAY MED (3RM) AT 70 CRI			TYPE IV WIDE SHORT (4WS) AT 70 CRI			TYPE V SQUARE SHORT (5QS) AT 70 CRI			TYPE V SQUARE MED (5QM) AT 70 CRI		
					Lumens	Efficacy (lm/W)	BUG Rating	Lumens	Efficacy (lm/W)	BUG Rating	Lumens	Efficacy (lm/W)	BUG Rating	Lumens	Efficacy (lm/W)	BUG Rating	Lumens	Efficacy (lm/W)	BUG Rating
3H	20	250mA	5000K	21.5	3,529	164	1 0 1	3,516	164	1 0 1	3,348	156	1 0 1	3,513	163	2 0 2	3,209	149	2 0 2
			4000K		3,448	160	1 0 1	3,435	160	1 0 1	3,271	152	1 0 1	3,433	160	2 0 2	3,135	146	2 0 2
			3000K		3,300	153	1 0 1	3,288	153	1 0 1	3,131	146	1 0 1	3,285	153	2 0 2	3,000	140	2 0 2
4H	30	353mA	5000K	31.2	4,988	160	1 0 1	4,969	159	1 0 1	4,732	152	1 0 1	4,966	159	2 0 2	4,535	145	3 0 3
			4000K		4,873	156	1 0 1	4,855	156	1 0 1	4,623	148	1 0 1	4,851	155	3 0 3	4,430	142	2 0 2
			3000K		4,664	149	1 0 1	4,646	149	1 0 1	4,425	142	1 0 1	4,643	149	3 0 3	4,240	136	2 0 2
5H	40	463mA	5000K	41.3	6,384	155	1 0 1	6,359	154	1 0 1	6,056	147	1 0 2	6,355	154	3 0 3	5,804	141	3 0 3
			4000K		6,237	151	1 0 1	6,213	150	1 0 1	5,917	143	1 0 2	6,209	150	3 0 3	5,670	137	3 0 3
			3000K		5,969	145	1 0 1	5,947	144	1 0 1	5,663	137	1 0 2	5,943	144	3 0 3	5,427	131	3 0 3
7H	50	588mA	5000K	53.4	7,893	148	2 0 1	7,863	147	1 0 2	7,488	140	1 0 2	7,858	147	3 0 3	7,176	134	3 0 3
			4000K		7,711	144	2 0 1	7,682	144	1 0 2	7,316	137	1 0 2	7,677	144	3 0 3	7,011	131	3 0 3
			3000K		7,381	138	2 0 1	7,352	138	1 0 2	7,002	131	1 0 2	7,348	138	3 0 3	6,710	126	3 0 3
8H	60	735mA	5000K	64.74	9,717	150	2 0 2	9,680	150	1 0 2	9,218	142	1 0 2	9,674	149	3 0 3	8,834	136	3 0 3
			4000K		9,494	147	2 0 2	9,458	146	1 0 2	9,006	139	1 0 2	9,451	146	3 0 3	8,631	133	3 0 3
			3000K		9,086	140	2 0 2	9,052	140	1 0 2	8,620	133	1 0 2	9,046	140	3 0 3	8,261	128	3 0 3
9H	70	840mA	5000K	73.9	10,866	147	2 0 2	10,824	146	2 0 2	10,308	139	1 0 2	10,817	146	3 0 3	9,878	134	3 0 3
			4000K		10,616	144	2 0 2	10,575	143	2 0 2	10,071	136	1 0 2	10,568	143	3 0 3	9,651	131	3 0 3
			3000K		10,160	137	2 0 2	10,121	137	1 0 2	9,639	130	1 0 2	10,115	137	3 0 3	9,237	125	3 0 3
10H	80	945mA	5000K	83.45	11,991	144	2 0 2	11,945	143	2 0 2	11,374	136	2 0 2	11,937	143	4 0 4	10,900	131	3 0 3
			4000K		11,715	140	2 0 2	11,670	140	2 0 2	11,113	133	2 0 2	11,662	140	3 0 3	10,649	128	3 0 3
			3000K		11,212	134	2 0 2	11,169	134	2 0 2	10,636	127	2 0 2	11,162	134	3 0 3	10,192	122	3 0 3
11H	90	1071mA	5000K	94.75	13,225	140	2 0 2	13,174	139	2 0 2	12,545	132	2 0 2	13,165	139	4 0 4	12,021	127	4 0 4
			4000K		12,920	136	2 0 2	12,871	136	2 0 2	12,256	129	2 0 2	12,862	136	4 0 4	11,745	124	4 0 4
			3000K		12,366	131	2 0 2	12,319	130	2 0 2	11,730	124	2 0 2	12,310	130	4 0 4	11,241	119	3 0 3
12H	100	1176mA	5000K	104.6	14,239	136	2 0 2	14,185	136	2 0 2	13,507	129	2 0 2	14,175	136	4 0 4	12,944	124	4 0 4
			4000K		13,911	133	2 0 2	13,858	132	2 0 2	13,196	126	2 0 2	13,849	132	4 0 4	12,646	121	4 0 4
			3000K		13,315	127	2 0 2	13,264	127	2 0 2	12,630	121	2 0 2	13,255	127	4 0 4	12,103	116	4 0 4
13H	110	1281mA	5000K	114.4	15,134	132	3 0 2	15,077	132	2 0 2	14,356	125	2 0 3	15,066	132	4 0 4	13,758	120	4 0 4
			4000K		14,786	129	3 0 2	14,730	129	2 0 2	14,026	123	2 0 2	14,719	129	4 0 4	13,441	117	4 0 4
			3000K		14,152	124	2 0 2	14,098	123	2 0 2	13,424	117	2 0 2	14,088	123	4 0 4	12,864	112	4 0 4
14H	120	1386mA	5000K	124.6	16,051	129	3 0 2	15,990	128	2 0 2	15,226	122	2 0 3	15,979	128	4 0 4	14,591	117	4 0 4
			4000K		15,682	126	3 0 2	15,622	125	2 0 2	14,876	119	2 0 3	15,611	125	4 0 4	14,255	114	4 0 4
			3000K		15,009	120	3 0 2	14,952	120	2 0 2	14,237	114	2 0 3	14,941	120	4 0 4	13,644	110	4 0 4