ENERGYLITE

SPECIFICATION CODE

PROJECT

TYPE

SPECIFIER

MEMO

ORDERING CODE BREAKDOWN

BL1C

LED BROADLITE FLOOD LIGHT FIXTURE

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 171 lm/W
- Integral photocells, motions sensors, and Casambi wireless bluetooth integration
- 2 mounting options available; All mounting options allow for multiple fixture installations at 90°
- 3G Vibration rated (ANSI C136.31) for knuckle mount;
- 1.5G Vibration rated for trunnion mount
- 120-277V with dim-to-off 0-10V dimming standard
- Multiple field-installed shielding options available

Knuckle

EPA: 0.25 sq. ft.

WEIGHT: 10.64 lbs.

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FIXTURE	LUMENS	BEAM SPREAD	CRI	CCT	VOLTAGE	CONTROLS	SURGE	PHOTOCELL RECEPTACLE	FINISH	MOUNTING	FIXTURE OPTIONS	FIELD OPTIONS
BL1C	3H : 3,000 lm; 20W	N66 : NEMA 6x6	7 : 70 CRI	30 : 3000K	STD : 120-277V	10 : 0-10V	1PS : 10kV 5kA, 120-277V	00 : None	SGY : Gray (RAL7038)	KM : 3" OD Knuckle	ZT1 : 0-10V Z Ambient Light Control	SOL28 HSS : House-side Shield
	4H : 4,000 lm; 30W	N75 : NEMA 7x5	8 : 80 CRI	40 : 4000K			2PS : *20kV 10kA, 120-277V	0Z : Z receptacle	SWH : White (RAL9003)	TM : Trunnion	ZT3 : 0-10V Z IR + Ambient Light Control	SOL28 FSS : Front-side Shield
	5H : 5,000 lm; 40W			50 : 5000K				PB : Button-eye	SBK : Black (RAL9017)		ZT4 : 0-10V Z Occupancy + IR + Ambient Light Control	SOL28 CSS : Cul-de-Sac Shield
	7H : 7,000 lm; 50W								SBZ : Bronze (RAL8019)		ZT5 : 0-10V Z Casambi Bluetooth Mesh Node	SOL28 SS : Scoop Shield
	8H : 8,000 lm; 60W											
	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

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LED BROADLITE FLOOD LIGHT FIXTURE

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

OPTICS + PERFORMANCE
- Up to 171 lumens per watt
- 3,000- to 14,000 lumen packages (20-120W)
- 2 customized distributions available
  - NEMA 6x6
  - NEMA 7x5
- Multiple shielding options available

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°

ELECTRICAL
- 120-277V
- PF>0.90, 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

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

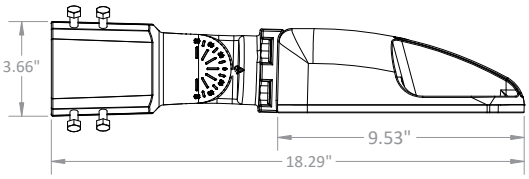
FINISH
- TGIC polyester super durable powder coating with superior gloss, color retention, and weather resistance
- Standard finishes provided at 3 mil nominal thickness with salt-spray tested to 3,000 hours as per ASTM B117

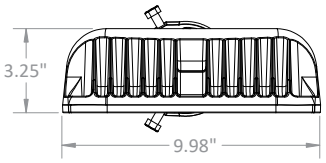
LISTINGS
- IP66 rated optical and electrical chambers
- 3G Vibration rated (ANSI C136.31) for knuckle mount; 1.5G Vibration rated for trunnion mount
- UL listed for wet locations (E487976)

WARRANTY
- 5 year warranty

Knuckle (KM)

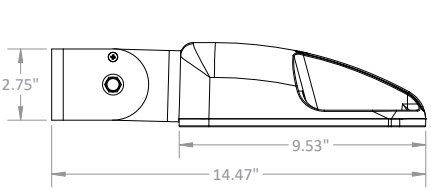
EPA (front)	EPA (side)	Weight
0.32 sq. ft.	0.37 sq. ft.	11.88 lbs.

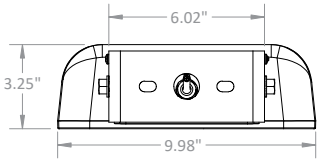




Trunnion (TM)

EPA (front)	EPA (side)	Weight
0.21 sq. ft.	0.27 sq. ft.	12.81 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

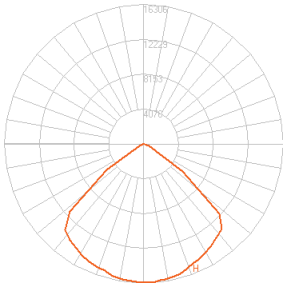
TM-21 LUMEN MAINTENANCE PROJECTION

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.

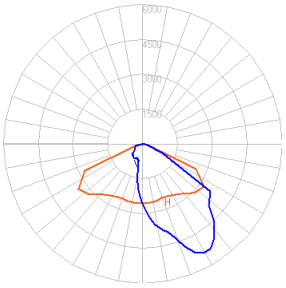
50,000 hrs	60,000 hrs	100,000 hrs
99.67%	99.49%	98.77%

PHOTOMETRIC DISTRIBUTION

TYPE 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)

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

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LED BROADLITE FLOOD LIGHT FIXTURE

Performance Package	Input Power (Watts) @120V	Drive Current	Color Temperature (CCT)	TYPE NEMA 6x6 (N66) AT 70 CRI			TYPE NEMA 7x5 (N75) AT 70 CRI		
				Lumens	Efficacy (lm/W)	Max Candela	Lumens	Efficacy (lm/W)	Max Candela
3H	21.5	250mA	5000K	3,666	171	1,511	3,516	164	3,037
			4000K	3,582	167	1,476	3,435	160	2,967
			3000K	3,428	159	1,413	3,288	153	2,839
4H	31.2	353mA	5000K	5,182	166	2,135	4,969	159	4,292
			4000K	5,063	162	2,086	4,855	156	4,193
			3000K	4,845	155	1,997	4,646	149	4,013
5H	41.3	463mA	5000K	6,632	161	2,733	6,359	154	5,493
			4000K	6,479	157	2,670	6,213	150	5,366
			3000K	6,201	150	2,555	5,947	144	5,136
7H	53.4	588mA	5000K	8,200	154	3,379	7,863	147	6,791
			4000K	8,011	150	3,301	7,682	144	6,635
			3000K	7,667	144	3,160	7,352	138	6,350
8H	64.74	735mA	5000K	10,095	156	4,160	9,680	150	8,361
			4000K	9,863	152	4,064	9,458	146	8,168
			3000K	9,439	146	3,890	9,052	140	7,818
9H	73.9	840mA	5000K	11,288	153	4,651	10,824	146	9,349
			4000K	11,028	149	4,544	10,575	143	9,134
			3000K	10,555	143	4,349	10,121	137	8,742
10H	83.45	945mA	5000K	12,456	149	5,133	11,945	143	10,316
			4000K	12,169	146	5,015	11,670	140	10,079
			3000K	11,647	140	4,800	11,169	134	9,646
11H	94.75	1071mA	5000K	13,737	145	5,661	13,174	139	11,378
			4000K	13,421	142	5,531	12,871	136	11,116
			3000K	12,845	136	5,394	12,319	130	10,639
12H	104.6	1176mA	5000K	14,791	141	6,095	14,185	136	12,251
			4000K	14,451	138	5,955	13,858	132	11,969
			3000K	13,831	132	5,700	13,264	127	11,455
13H	114.4	1281mA	5000K	15,721	137	6,479	15,076	132	13,021
			4000K	15,360	134	6,329	14,730	129	12,722
			3000K	14,701	129	6,059	14,098	123	12,175
14H	124.6	1386mA	5000K	16,673	134	6,871	15,990	128	13,809
			4000K	16,290	131	6,713	15,622	125	13,492
			3000K	15,591	125	6,426	14,951	120	12,913