

BroadLite BL3

LED FLOOD LUMINAIRE

PROJECT _____

TYPE _____

SPECIFICATION _____

QUICK FACTS

CONSTRUCTION

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

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
- For marine grade finish, consult factory. Provided at 5 mil nominal thickness with salt-spray tested to 4,000 hours as per ASTM B117

ELECTRICAL

- 120-277 V Standard; 277-480 V option available
- 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

OPTICS + PERFORMANCE

- Up to 164 lumens per watt
- 12,000-41,000 lumen packages (82-342 W)
- 5 customized distributions available
 - Type III Roadway Medium
 - NEMA 6x6
- Multiple shielding options available

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 dimming)
 - Zhaga Book 18 (for next generation ambient light/motion sensing)

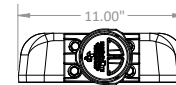
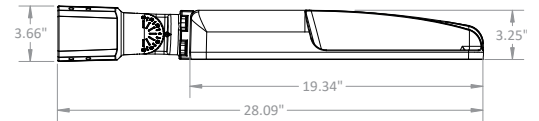
LISTINGS

- 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)
- ANSI C136.15 labeling available
- BAA Compliance available; †Consult factory to confirm specific fixture code is compliant if this is a requirement
- **Designed and assembled in U.S.A.**

WARRANTY

- 10 year warranty

DIMENSIONS



EPA: 0.61 sq. ft.
WEIGHT: 20.42 lbs.



ORDERING INFORMATION

Example: BL3/22H/2RM/830/STD/10/1PS/30/SBZ/ES/HSS-PCL01

Fixture	Distribution	CRI + CCT	Voltage	Controls	Surge	Photocell Receptacle	Mounting	Options + Accessories
BL3	3RM ¹ - Type III Roadway Medium N66 ¹ - NEMA 6x6	750 - 70+ CRI, 5000K 740 ² - 70+ CRI, 4000K 730 ² - 70+ CRI, 3000K 727 - 70+ CRI, 2700K <i>* 80 + 90 CRI, as well as additional color temperatures, are available upon request</i>	STD ¹ - 120-277 V HVL ³⁴ - 277-480 V	10 ¹ - 0-10 V DA ³⁴ - DALI-2	1PS ¹ - 10kV 5kA, 120-277 V 2PS* - 20kV 10kA, 120-277 V 2PH* - 20kV 10kA, 277-480 V	00 ¹ - none 30 - 3-pin 70 - 7 pin 0Z ³ - Zhaga 3Z ³ - 3-pin + Zhaga 7Z ³ - 7-pin + Zhaga	KM - Knuckle Mount KMS - Knuckle Mount with 6' side entry pigtail TM - Trunnion Mount	HSS ⁵ - House side Shield CSS ⁵ - Cul-de-sac Shield FSS ⁵ - Front side Shield ALB - ANSI C136.15 Labeling ZT1 - 0-10 V Zhaga Ambient Light Control (ALC) ZT3 - 0-10 V Zhaga IR + ALC ZT4 - 0-10 V Zhaga Occupany + IR + ALC SC - Shorting Cap PCL01 - 120-277 V Photocell, 640I, IP65 PCL02 - 120-277 V Photocell, 1280I, IP66 PCL03 - 277-480 V Photocell, 1280I, IP66
	Package 12L ¹ - 12,000 lm; 84 W 15L ¹ - 15,000 lm; 111 W 18L ¹ - 18,000 lm; 138 W 17H ¹ - 17,000 lm; 107 W 19H ¹ - 19,000 lm; 121 W 22H ¹ - 22,000 lm; 145 W 25H ¹ - 25,000 lm; 166 W 30H ¹ - 30,000 lm; 209 W 33H ¹ - 33,000 lm; 239 W 37H ¹ - 37,000 lm; 273 W 40H ¹ - 40,000 lm; 320 W 43H ¹ - 43,000 lm; 353 W							
								* Additional finish colors available upon request

* Consult factory for lead time and availability.

¹ Standard offering. Consult factory for lead and availability for other options.

² Marine grade finish options available. Consult Factory.

³ High voltage (HVL) option unavailable with Zhaga photocell receptacles.

⁴ High voltage plus DALI-2 combination only available with 12L-18L and 17H-22H performance packages.

⁵ Flat-black, injection molded plastic resin, tool-less, clip-on discrete shield.

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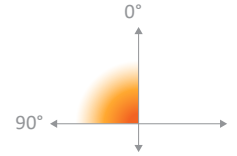
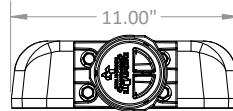
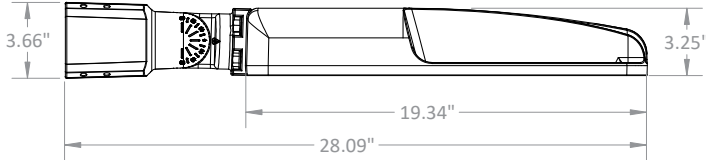
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MOUNTING OPTIONS

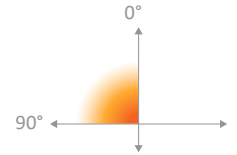
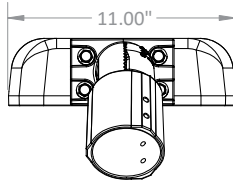
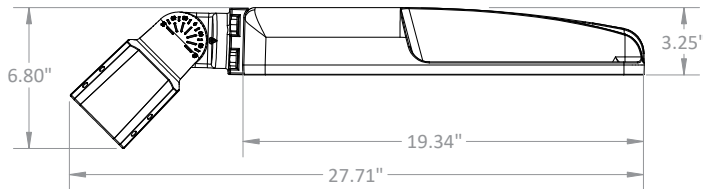
KNUCKLE MOUNT (KM)

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



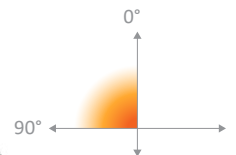
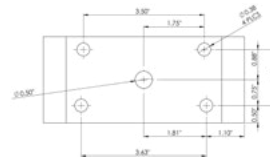
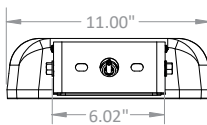
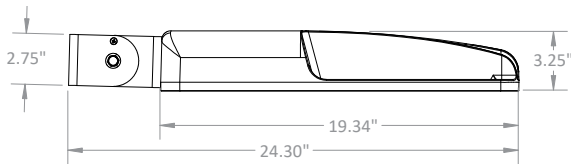
KNUCKLE MOUNT SIDE ENTRY (KMS)

- 6" side entry pigtail
- Pre-set to 45° tilt
- Adjustable at 7.5° increments
- Mounts to maximum 3" O.D. tenon



TRUNNION MOUNT (TM)

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



WEIGHT + EPA

Mounting	EPA	Weight		
		12L to 22H	25H to 30H	33H to 43H
Knuckle Mount + Knuckle Mount Side Entry	0.51 sq. ft.	21.38	22.41	24.38
Trunnion Mount	0.61 sq. ft.	20.42	21.45	23.42

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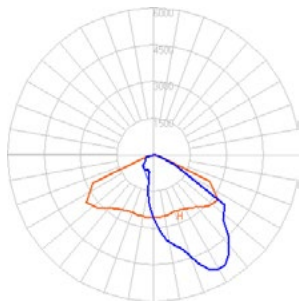
POLE CONFIGURATION EPAs

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

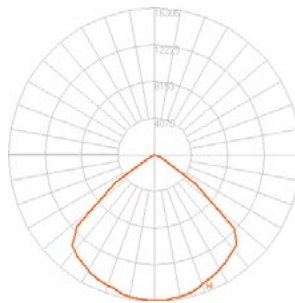
Mounting Type	Tilt	Single	2 at 90°	2 at 180°	3 at 90°	4 at 90°	2 Side-by-side
Knuckle Mount + Knuckle Mount (Side Entry)	90° (horizontal)	0.61 sq. ft.	0.95 sq. ft.	1.22 sq. ft.	1.56 sq. ft.	1.56 sq. ft.	0.68 sq. ft.
	60°	0.61 sq. ft.	1.46 sq. ft.	1.22 sq. ft.	2.07 sq. ft.	2.07 sq. ft.	1.70 sq. ft.
	45°	0.61 sq. ft.	1.72 sq. ft.	1.22 sq. ft.	2.33 sq. ft.	2.33 sq. ft.	2.22 sq. ft.
	30°	0.61 sq. ft.	1.91 sq. ft.	1.22 sq. ft.	2.52 sq. ft.	2.52 sq. ft.	2.60 sq. ft.
	0° (vertical)	0.61 sq. ft.	2.11 sq. ft.	1.22 sq. ft.	2.72 sq. ft.	2.72 sq. ft.	3.00 sq. ft.
Trunnion Mount	90° (horizontal)	0.51 sq. ft.	0.76 sq. ft.	1.02 sq. ft.	1.27 sq. ft.	1.27 sq. ft.	0.50 sq. ft.
	60°	0.51 sq. ft.	1.27 sq. ft.	1.02 sq. ft.	1.78 sq. ft.	1.78 sq. ft.	1.52 sq. ft.
	45°	0.51 sq. ft.	1.51 sq. ft.	1.02 sq. ft.	2.02 sq. ft.	2.02 sq. ft.	2.00 sq. ft.
	30°	0.51 sq. ft.	1.68 sq. ft.	1.02 sq. ft.	2.19 sq. ft.	2.19 sq. ft.	2.34 sq. ft.
	0° (vertical)	0.51 sq. ft.	1.82 sq. ft.	1.02 sq. ft.	2.33 sq. ft.	2.33 sq. ft.	2.62 sq. ft.

PHOTOMETRIC DISTRIBUTION

Type III Roadway Medium



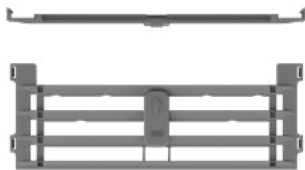
NEMA 6x6



SHIELD ACCESSORY DETAILS

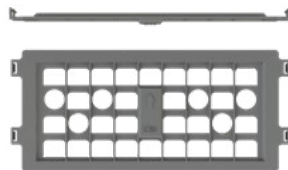
HOUSE SIDE SHIELD

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



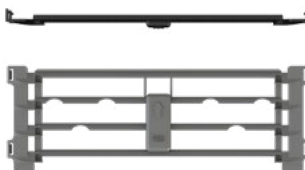
CUL-DE-SAC SHIELD

- 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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PERFORMANCE DATA

Performance Package	Drive Current	Color Temperature (CCT)	Input Power (Watts)	TYPE III ROADWAY MED AT 70 CRI		TYPE NEMA 6x6 AT 70 CRI	
				Lumens	Efficacy (lm/W)	Lumens	Efficacy (lm/W)
12L	630mA	5000K	83.8	12,331	147	12,832	153
		4000K		12,089	144	12,580	150
		3000K		11,727	140	12,203	146
15L	826mA	5000K	110.6	15,501	140	16,130	146
		4000K		15,197	137	15,814	143
		3000K		14,741	133	15,340	139
18L	1022mA	5000K	138.1	18,376	133	19,122	138
		4000K		18,016	130	18,747	136
		3000K		17,475	127	18,185	132
17H	413mA	5000K	107.4	17,250	161	17,950	167
		4000K		16,912	157	17,598	164
		3000K		16,404	153	17,070	159
19H	462mA	5000K	120.5	19,038	158	19,810	164
		4000K		18,665	155	19,422	161
		3000K		18,105	150	18,839	156
22H	553mA	5000K	145.3	22,230	153	23,133	159
		4000K		21,795	150	22,679	156
		3000K		21,141	145	21,999	151
25H	637mA	5000K	166.0	25,268	152	26,294	158
		4000K		24,773	149	25,778	155
		3000K		24,029	145	25,005	151
30H	761mA	5000K	208.6	30,221	145	31,448	151
		4000K		29,629	142	30,831	148
		3000K		28,740	138	29,906	143
33H	904mA	5000K	238.5	32,441	136	33,758	142
		4000K		31,805	133	33,096	139
		3000K		30,851	129	32,103	135
37H	1024mA	5000K	272.9	36,841	135	38,336	140
		4000K		36,118	132	37,584	138
		3000K		35,035	128	36,456	134
40H	1192mA	5000K	320.2	40,125	125	41,754	130
		4000K		39,339	123	40,935	128
		3000K		38,158	119	39,707	124
43H	1305mA	5000K	352.7	42,035	119	43,741	124
		4000K		41,211	117	42,883	122
		3000K		39,974	113	41,597	118

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
12L-37H	99.67%	99.49%	98.77%
40H	98.95%	98.62%	97.30%
43H	96.41%	95.66%	92.72%

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

ELECTRICAL LOAD

Performance Package	Input Power	Current (Amps) per Input Voltage					
		120 Vac	208 Vac	240 Vac	277 Vac	347 Vac	480 Vac
12L	83.8 W	0.7	0.39	0.34	0.3	0.24	0.17
15L	110.6 W	0.92	0.52	0.45	0.39	0.31	0.23
18L	138.1 W	1.15	0.65	0.56	0.49	0.39	0.28
17H	107.4 W	0.9	0.51	0.44	0.38	0.3	0.22
19H	120.5 W	1	0.57	0.49	0.43	0.34	0.25
22H	145.3 W	1.21	0.68	0.59	0.51	0.41	0.3
25H	166.0 W	1.38	0.78	0.68	0.59	0.47	0.34
30H	208.6 W	1.74	0.98	0.85	0.74	0.59	0.43
33H	238.5 W	1.99	1.12	0.97	0.84	0.67	0.49
37H	272.9 W	2.27	1.29	1.11	0.97	0.77	0.56
40H	320.2 W	2.67	1.51	1.31	1.13	0.9	0.65
43H	352.7 W	2.94	1.66	1.44	1.25	1	0.72

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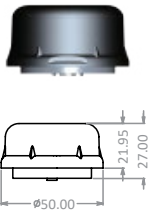
CONTROLS

0-10 V ZHAGA OPTIONS

- ZT1: Ambient Light Control
- ZT3: IR + Ambient Light Control
- ZT4: Occupancy + IR + Ambient Light Control

PHOTOCELL OPTIONS

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



POLE INFORMATION

Solais Lighting group 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

