



Site & Area

Gullwing LED

GL18 Large



Gardco Gullwing GL18 Gen 3 is now available with lumen packages up to 41,000 lumens and expanded connected lighting options. Gullwing provides powerful, energy-efficient, and architecturally distinctive illumination for today's demanding outdoor environments.

A modernized outdoor commercial luminaire combining proven Gullwing architectural design with enhanced LED performance, advanced optics, and controls readiness to meet current specification standards.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Ordering guide

Example: GL18-7L -740-T3M-UNV-MG

Luminaire	Configuration (nom. lumens)	Color Temp.	Distribution	Mounting	Voltage
GL18					
GL18 Gullwing	7L 7,000 lm	740 70CRI, 4000K	Type 2	Type 4	None Arm Mount (Standard for square pole) The following mounting kits must be ordered as a separate line item (see accessories) RPA1 Round Pole Adapter Required for 3" - 5" O.D. round or tapered round poles WMR¹ Wall Mount, Recessed J-Box WMS¹ Wall Mount, Surface Conduit
	9L 9,000 lm	750 70CRI, 5000K	T2M Type 2 medium	T4M Type 4 medium	
	12L 12,000 lm		T2M-90 Rotated right 90°	T4M-90 Rotated left 90°	
	15L 15,000 lm		T2M-270 Rotated right 270°	T4M-270 Rotated left 270°	
	18L 18,000 lm	DarkSky Approved	Type 3	Type 5	
	22L 22,000 lm		T3M Type 3 medium	T5W Type 5 wide	
	27L 27,000 lm	722 70CRI, 2200K	T3M-90 Rotated left 90°		
	30L 30,000 lm	727 70CRI, 2700K	T3M-270 Rotated right 270°		
	35L 35,000 lm	730 70CRI, 3000K			
	38L 38,000 lm				
	41L ³ 41,000 lm				
Dimming Controls			Sensing (only one may be selected)	Lighting Controls (only one may be selected)	Options
The following options include 0-10V Driver				None -	Surge protection
None	0-10V dimming driver (standard)			TR7^{5,8} NEMA 7-pin Twist Lock Receptacle	None Surge protector 10kV/10kA (standard)
DLEA²	Dimming leads externally accessible (controls by others)			TLP⁵ NEMA 7-pin Twist Lock Receptacle with 3-pin photocell	SP2 Surge protector 20kV/10kA (option)
FAWS²	Field adjustable wattage selector				Fusing
BL50²	Bi-level with motion sensor to 50%		L2 PIR Sensor, #2 lens (8')		FS1⁶ Single Fuse (120, 277, or 347VAC)
			L3 PIR Sensor, #3 lens (20'-40')		FS2⁶ Double Fuse (208V, 240V, 480V)
The following options include SR/D4i Driver					House shield
D4ID	D4i Certified DALI/SR Driver		OMS⁴ Outdoor Multi-Sensor		HIS Internal house side shield (clip-on)
ZD4i^{2,4,7}	Zhaga-D4i Certified Fixture (includes Zhaga 4-pin receptacle)				Domestic preference¹
WIAP^{2,7}	Wireless Interact connected to Zhaga-D4i Certified		LW Low sensor, White color housing (8' mounting height)		BAC Buy American Compliant
			LB Low sensor, Black color housing (8' mounting height)		BABA Build America, Buy America
			HW High sensor, White color housing (40' mounting height)		
			HB High sensor, Black color housing (40' mounting height)		
DynaDimmer: Automatic Profile Dimming					
CS50²	Security 50% dimming, 7 hours				
CM50²	Median 50% dimming, 8 hours				
CS30²	Security 30% dimming, 7 hours				
CM30²	Median 30% dimming, 8 hours				

1. Extended leadtime applies. Consult factory for details.
2. Not available with other control options. Mutually exclusive.
3. HIS not available for 41L configuration
4. ZD4i Driver option must be selected with OMS.
5. TR7 and TLP receptacle pins 4-7 are capped off when ordered with any of the Dimming controls BL50, DLEA or FAWS.

6. Must specify voltage.
7. Not available with 7L and 9L lumen configurations.
8. Shorting cap is not included. Order in a separate line. See accessories section.

Declare.



DARKSKY APPROVED
Reduces light pollution
Certified by DarkSky.org



GL18 Gullwing LED area luminaire, large

Site and Area

Pole Top Fitters

(F) Must specify finish

RPA1 pole adapter is required when ordering PTF

PTF2 – Pole top fitter fits 2 3/8 – 2 1/2" OD x 4" depth tenon

PTF2-1-90-(F)	1 luminaire at 90°
PTF2-2-90-(F)	2 luminaires at 90°
PTF2-3-90-(F)	3 luminaires at 90°
PTF2-4-90-(F)	4 luminaires at 90°
PTF2-2-180-(F)	2 luminaires at 180°
PTF2-3-120-(F)	3 luminaires at 120°

PTF3 – Pole top fitter fits 3-3 1/2" OD x 6" depth tenon

PTF3-1-90-(F)	1 luminaire at 90°
PTF3-2-90-(F)	2 luminaires at 90°
PTF3-3-90-(F)	3 luminaires at 90°
PTF3-4-90-(F)	4 luminaires at 90°
PTF3-2-180-(F)	2 luminaires at 180°
PTF3-3-120-(F)	3 luminaires at 120°

Shielding Accessory Kits (order separately)

Clip-on shields quickly and easily installed in the field.

GL18-HIS-1	Internal house side shield. For optic Type T2M and T3M. qty 1
GL18-HIS-T4-1	Internal house side shield. For optic Type T4M. qty 1
GL18-HIS-5W-1	Internal house side shield. For optic Type T5W. qty 1

One shield is required for 7L - 27L lumen configurations
Two shields are required for 30L - 38L lumen configurations

Wall Mount Accessories

(F) Must specify finish

WMR

GL18 GEN3 WMR (F) Wall Mount, Recessed J-Box

WMS

GL18 GEN3 WMS (F) Wall Mount, Surface Conduit

Photocell Accessories

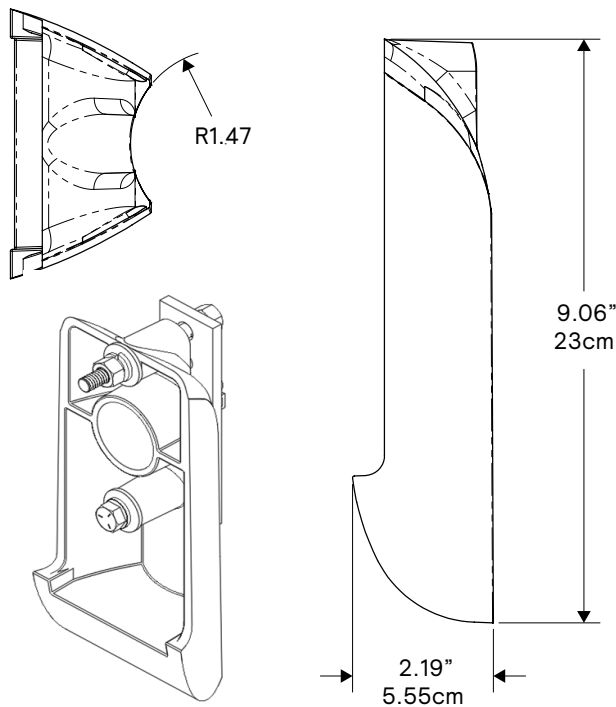
P400S TSC Twist-lock shorting cap

Round Pole Adapter

(F) Must specify finish

RPA1

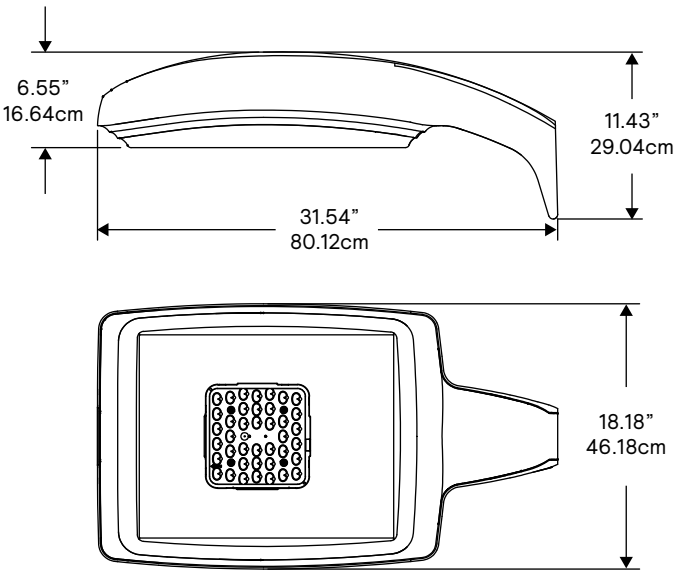
M/K RPA1 G18 (F) 3" - 5" Round Pole Adapter



GL18 Gullwing LED area luminaire, large

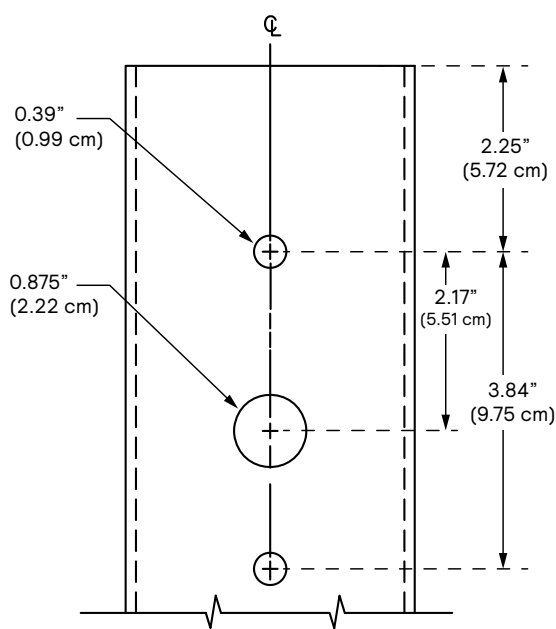
Site and Area

Dimensions



One LED board is supplied for 7L–27L lumen configurations.
Two LED boards are supplied for 30L–38L lumen configurations.

Drill Template



Approximate Weight

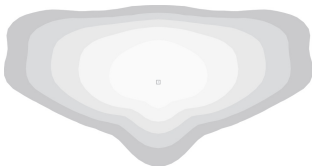
31 lbs / 14.06 kg

EPA Data

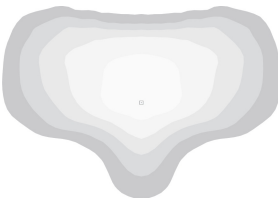
1	2	3-4
1.2 ft ²	2.4 ft ²	3.2 ft ²
.12 m ²	.24 m ²	.30 m ²

Optical Distributions

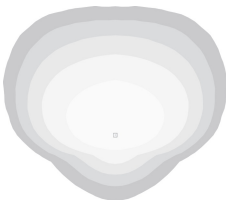
Type 2 Medium



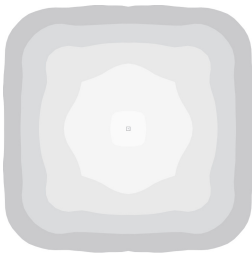
Type 3 Medium



Type 4 Medium



Type 5 Wide



GL18 Gullwing LED area luminaire, large

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GL18 Optic Lumen Values

Lumen Package	Configuration	CRI	CCT (K)	System Watts	T2M			T3M			T4M			T5W		
					Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
7L	722	70	2200	42	6026	B2-U0-G2	145	5980	B1-U0-G2	143	5866	B1-U0-G2	141	6013	B3-U0-G2	144
9L	722	70	2200	54	7616	B2-U0-G2	142	7558	B2-U0-G2	141	7413	B1-U0-G2	138	7599	B3-U0-G2	142
12L	722	70	2200	72	10162	B2-U0-G2	141	10084	B2-U0-G3	140	9891	B2-U0-G3	137	10140	B4-U0-G3	141
15L	722	70	2200	92	12793	B3-U0-G3	139	12695	B2-U0-G3	138	12452	B2-U0-G3	135	12765	B4-U0-G3	139
18L	722	70	2200	115	15398	B3-U0-G3	134	15280	B3-U0-G3	133	14988	B2-U0-G3	130	15364	B4-U0-G3	134
22L	722	70	2200	146	18587	B3-U0-G3	127	18445	B3-U0-G3	126	18092	B2-U0-G3	124	18547	B5-U0-G3	127
27L	722	70	2200	159	23265	B3-U0-G3	147	23088	B3-U0-G4	146	22646	B3-U0-G4	143	23215	B5-U0-G4	147
30L	722	70	2200	180	25694	B3-U0-G3	143	25498	B3-U0-G4	142	25010	B3-U0-G4	139	25638	B5-U0-G4	143
35L	722	70	2200	223	29483	B4-U0-G4	132	29258	B3-U0-G4	131	28698	B3-U0-G4	129	29419	B5-U0-G4	132
39L	722	70	2200	263	33557	B4-U0-G4	127	33301	B3-U0-G5	127	32663	B3-U0-G5	124	33484	B5-U0-G5	127
41L	722	70	2200	290	35886	B4-U0-G4	124	35612	B4-U0-G5	123	34931	B3-U0-G5	121	35808	B5-U0-G5	124
7L	727	70	2700	42	6455	B2-U0-G2	155	6406	B1-U0-G2	154	6284	B1-U0-G2	151	6441	B3-U0-G2	155
9L	727	70	2700	54	8158	B2-U0-G2	152	8096	B2-U0-G2	151	7941	B1-U0-G2	148	8141	B3-U0-G2	152
12L	727	70	2700	72	10886	B2-U0-G2	151	10803	B2-U0-G3	150	10596	B2-U0-G3	147	10862	B4-U0-G3	151
15L	727	70	2700	92	13704	B3-U0-G3	149	13600	B2-U0-G3	148	13339	B2-U0-G3	145	13674	B4-U0-G3	149
18L	727	70	2700	115	16495	B3-U0-G3	143	16369	B3-U0-G3	142	16056	B2-U0-G3	140	16459	B4-U0-G3	143
22L	727	70	2700	146	19912	B3-U0-G3	137	19760	B3-U0-G3	135	19381	B3-U0-G3	133	19868	B5-U0-G3	136
27L	727	70	2700	159	24923	B3-U0-G3	157	24732	B3-U0-G4	156	24259	B3-U0-G4	153	24869	B5-U0-G4	157
30L	727	70	2700	180	27525	B4-U0-G4	153	27315	B3-U0-G4	152	26792	B3-U0-G4	149	27465	B5-U0-G4	153
35L	727	70	2700	223	31584	B4-U0-G4	142	31343	B3-U0-G4	141	30743	B3-U0-G4	138	31515	B5-U0-G5	141
39L	727	70	2700	263	35948	B4-U0-G4	137	35673	B4-U0-G5	136	34990	B3-U0-G5	133	35870	B5-U0-G5	136
41L	727	70	2700	290	38443	B4-U0-G4	133	38150	B4-U0-G5	132	37419	B3-U0-G5	129	38359	B5-U0-G5	132
7L	730	70	3000	42	6828	B2-U0-G2	164	6776	B1-U0-G2	163	6647	B1-U0-G2	159	6814	B3-U0-G2	163
9L	730	70	3000	54	8629	B2-U0-G2	161	8564	B2-U0-G2	160	8400	B2-U0-G2	157	8611	B3-U0-G2	161
12L	730	70	3000	72	11514	B3-U0-G3	160	11426	B2-U0-G3	159	11208	B2-U0-G3	155	11489	B4-U0-G3	159
15L	730	70	3000	92	14496	B3-U0-G3	158	14385	B3-U0-G3	156	14110	B2-U0-G3	153	14464	B4-U0-G3	157
18L	730	70	3000	115	17447	B3-U0-G3	152	17314	B3-U0-G3	150	16983	B2-U0-G3	148	17410	B4-U0-G3	151
22L	730	70	3000	146	21062	B3-U0-G3	144	20901	B3-U0-G4	143	20501	B3-U0-G4	141	21016	B5-U0-G4	144
27L	730	70	3000	159	26362	B3-U0-G3	166	26161	B3-U0-G4	165	25660	B3-U0-G4	162	26305	B5-U0-G4	166
30L	730	70	3000	180	29114	B4-U0-G4	162	28892	B3-U0-G4	161	28339	B3-U0-G4	158	29051	B5-U0-G4	162
35L	730	70	3000	223	33408	B4-U0-G4	150	33153	B3-U0-G5	149	32518	B3-U0-G5	146	33335	B5-U0-G5	150
39L	730	70	3000	263	38024	B4-U0-G4	144	37733	B4-U0-G5	143	37011	B3-U0-G5	141	37941	B5-U0-G5	144
41L	730	70	3000	290	40663	B4-U0-G4	140	40353	B4-U0-G5	139	39580	B3-U0-G5	137	40575	B5-U0-G5	140

GL18 Gullwing LED area luminaire, large

Site and Area

GL18 Optic Lumen Values

Lumen Package	Configuration	CRI	CCT (K)	System Watts	T2M			T3M			T4M			T5W		
					Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
7L	740	70	4000	42	7066	B2-U0-G2	170	7012	B2-U0-G2	168	6878	B1-U0-G2	165	7051	B3-U0-G2	169
9L	740	70	4000	54	8930	B2-U0-G2	167	8862	B2-U0-G2	165	8692	B2-U0-G2	162	8911	B3-U0-G2	166
12L	740	70	4000	72	11915	B3-U0-G3	165	11824	B2-U0-G3	164	11598	B2-U0-G3	161	11890	B4-U0-G3	165
15L	740	70	4000	92	15001	B3-U0-G3	163	14886	B3-U0-G3	162	14601	B2-U0-G3	159	14968	B4-U0-G3	163
18L	740	70	4000	115	18055	B3-U0-G3	157	17917	B3-U0-G3	156	17574	B2-U0-G3	153	18016	B5-U0-G3	157
22L	740	70	4000	146	21795	B3-U0-G3	149	21629	B3-U0-G4	148	21215	B3-U0-G4	145	21748	B5-U0-G4	149
27L	740	70	4000	159	27280	B3-U0-G3	172	27072	B3-U0-G4	171	26554	B3-U0-G4	168	27221	B5-U0-G4	172
30L	740	70	4000	180	30128	B4-U0-G4	168	29898	B3-U0-G4	167	29326	B3-U0-G4	163	30063	B5-U0-G4	168
35L	740	70	4000	223	34572	B4-U0-G4	155	34308	B3-U0-G5	154	33651	B3-U0-G5	151	34497	B5-U0-G5	155
39L	740	70	4000	263	39348	B4-U0-G4	149	39048	B4-U0-G5	148	38300	B3-U0-G5	146	39263	B5-U0-G5	149
41L	740	70	4000	290	42080	B4-U0-G4	145	41758	B4-U0-G5	144	40959	B4-U0-G5	141	41988	B5-U0-G5	145
7L	750	70	5000	42	7066	B2-U0-G2	170	7012	B2-U0-G2	168	6878	B1-U0-G2	165	7051	B3-U0-G2	169
9L	750	70	5000	54	8930	B2-U0-G2	167	8862	B2-U0-G2	165	8692	B2-U0-G2	162	8911	B3-U0-G2	166
12L	750	70	5000	72	11915	B3-U0-G3	165	11824	B2-U0-G3	164	11598	B2-U0-G3	161	11890	B4-U0-G3	165
15L	750	70	5000	92	15001	B3-U0-G3	163	14886	B3-U0-G3	162	14601	B2-U0-G3	159	14968	B4-U0-G3	163
18L	750	70	5000	115	18055	B3-U0-G3	157	17917	B3-U0-G3	156	17574	B2-U0-G3	153	18016	B5-U0-G3	157
22L	750	70	5000	146	21795	B3-U0-G3	149	21629	B3-U0-G4	148	21215	B3-U0-G4	145	21748	B5-U0-G4	149
27L	750	70	5000	159	27280	B3-U0-G3	172	27072	B3-U0-G4	171	26554	B3-U0-G4	168	27221	B5-U0-G4	172
30L	750	70	5000	180	30128	B4-U0-G4	168	29898	B3-U0-G4	167	29326	B3-U0-G4	163	30063	B5-U0-G4	168
35L	750	70	5000	223	34572	B4-U0-G4	155	34308	B3-U0-G5	154	33651	B3-U0-G5	151	34497	B5-U0-G5	155
39L	750	70	5000	263	39348	B4-U0-G4	149	39048	B4-U0-G5	148	38300	B3-U0-G5	146	39263	B5-U0-G5	149
41L	750	70	5000	290	42080	B4-U0-G4	145	41758	B4-U0-G5	144	40959	B4-U0-G5	141	41988	B5-U0-G5	145

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

Predicted lumen depreciation data

Ambient Temperature °C	Driver mA	Calculated L ₇₀ Hours	L ₇₀ Per TM-21	Lumen Maintenance % @ 60,000 hours
25°C	up to 1050 mA	>100,000	>60,000	96%

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L70 hours limited to 6 times actual LED test hours

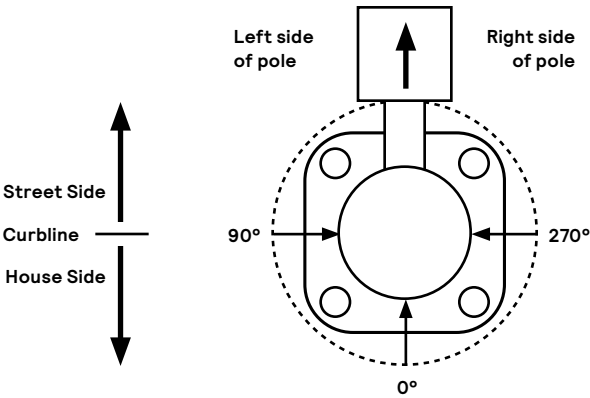
GL18 Gullwing LED area luminaire, large

Site and Area

Asymmetric Optical Orientation Information

Standard Optic Position

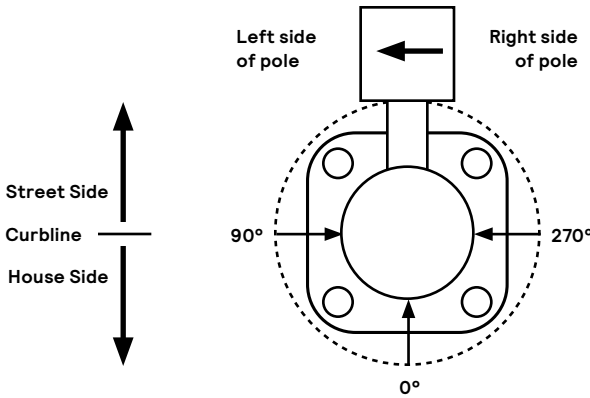
Luminaires ordered with asymmetric optical systems in the standard optic position will have the optical system oriented as shown below:



Note: The hand hole will normally be located on the pole at the 0° point.

Optic Rotated Left (90°) Optic Position

Luminaires ordered with asymmetric optical systems in the Optic Rotated Left (90°) optic position will have the optical system oriented as shown below:

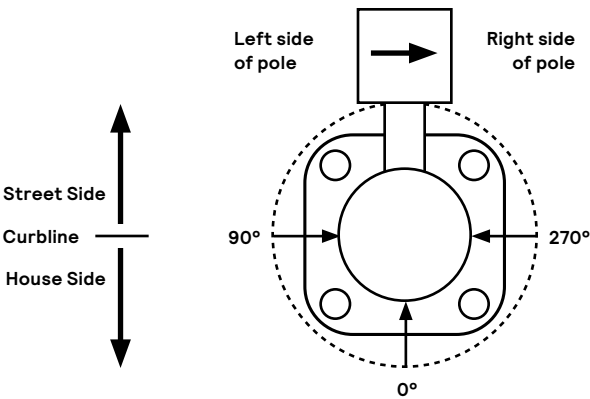


Note: The hand hole will normally be located on the pole at the 0° point.

Asymmetric Optical Orientation Information

Optic Rotated Right (270°) Optic Position

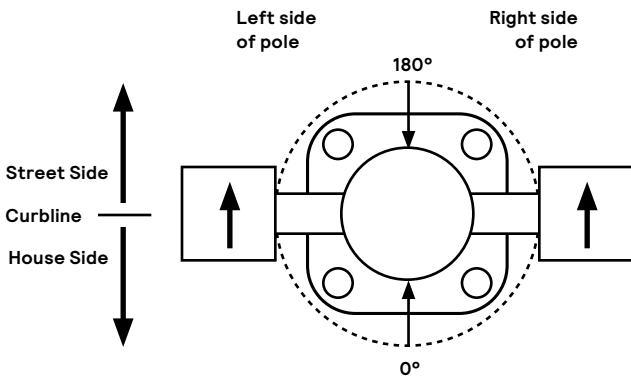
Luminaires ordered with asymmetric optical systems in the Optic Rotated Right (270°) optic position will have the optical system oriented as shown below:



Note: The hand hole will normally be located on the pole at the 0° point.

Twin Luminaire Assemblies With Rotated Optical Systems

Twin luminaire assemblies installed with rotated optical systems are an excellent way to direct light toward the interior of the site (Street Side) without additional equipment. It is important, however, that care be exercised to insure that luminaires are installed in the proper location.



Luminaires with Optic Rotated Right (270°) are installed on the LEFT Side of Pole

Luminaires with Optic Rotated Left (90°) are installed on the RIGHT Side of Pole

Note: The hand hole location will depend on the drilling configuration ordered for the pole.

GL18 Gullwing LED area luminaire, large

Site and Area

Specifications

General Description

The Gardco Gullwing LED is defined by its high performance, sleek profile and rugged construction. Gullwing LED luminaires combine LED performance excellence and advanced Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing.

Housing

A one-piece die cast aluminum housing mounts directly to a pole or wall without the need for a support arm. The low profile rounded form reduces the effective projected area of the luminaire to only 1.2 ft² / 12 m². Gullwing GL18 carries an impact rating of IK08.

IP Rating

Gullwing GL18 LED 18" optics are IP66 rated. Luminaire housing is IP54 rated.

Light Engine

Sealed high-performance LED light engine with scalable modules.

7L – 22L: 1 module with 40 LEDs

27L – 41L: 2 module with 80 LEDs

Color temperature as per ANSI/NEMA bin 2700 Kelvin nominal (2725 ± 145K), 3000 Kelvin nominal (3045K ± 175K) or 4000 Kelvin nominal (3985K ± 275K). CRI 70 Min. 75 Typical. Other CCT/CRI also available, consult factory.

LED light engine is designed for durability with IP66 protection in accordance to Section 9 of IEC 60598-1 and RoHS-compliant construction.

Energy saving benefits

System efficacy up to 172 lm/W with significant energy savings over Pulse Start Metal Halide luminaires. Optional control options provide added energy savings during unoccupied periods.

Control options

Dimming Leads Externally Accessible (DLEA): Access to 0-10V dimming leads supplied through back of luminaire (for secondary dimming controls by others). Cannot be used with other dimming control options.

ZD4i Zhaga-D4i Certified Fixture (includes Zhaga 4-pin receptacle):

With the **ZD4i** option (or **WIAP**), your luminaire comes Zhaga-D4i certified. Provides easy integration with D4i smart sensors and communication nodes, enabling plug-and-play IoT upgrades. Product equipped with D4i driver(s) connected to 4-pin Zhaga Book 18 compliant receptacle. Receptacle has IP66 rated assembly in a compact design that provides a sealed electrical interface and rated UV resistance, mounted on underside of the luminaire, protective dust cap included. When a controller not D4i certified is used, we cannot guarantee full compatibility.

Field Adjustable Wattage Selector (FAWS): Luminaire equipped with the ability to manually adjust the wattage in the field to reduce total luminaire lumen output and light levels. Comes pre-set to the highest position lumen output selected. Use chart below to estimate reduction in lumen output desired. Cannot be used with other control options or motion response.

Lumen package configurations: **7L, 9L, 12L, 15L, 18L, 22L, 27L, 30L**

FAWS Position	Percent of Typical Lumen Output	FAWS Position	Percent of Typical Lumen Output
1	29%	6	80%
2	52%	7	83%
3	61%	8	93%
4	72%	9	98%
5	77%	10	100%

Note: Typical value accuracy +/- 5%

Lumen package configurations: **35L, 38L, 41L**

FAWS Position	Percent of Typical Lumen Output	FAWS Position	Percent of Typical Lumen Output
1	12%	6	59%
2	24%	7	68%
3	32%	8	76%
4	44%	9	83%
5	51%	10	100%

Note: Typical value accuracy +/- 5%

Automatic Profile Dimming (CS/CM/CE/CA): Standard dimming profiles provide flexibility towards energy savings goals while optimizing light levels during specific dark hours. Dimming profiles include two dimming settings including dim to 30% or 50% of the total lumen output.

- **CS50/CS30:** Security for 7 hours night duration (Ex., 11 PM – 6 AM)
- **CM50/CM30:** Median for 8 hours night duration (Ex., 10 PM – 6 AM)

All above profiles are calculated from mid point of the night. Dimming is set for 6 hours after the mid point and 1 or 2 hours before depending of the duration of dimming. Cannot be used with other dimming control options.

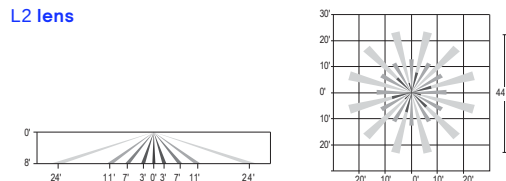
Motion response options

Bi-Level Infrared Motion Response (BL50): Motion Response module is mounted integral to luminaire factory pre-programmed to 50% dimming when not ordered with other control options. BL50 is set/operates in the following fashion: The motion sensor is set to a constant 50%. When motion is detected by the PIR sensor, the luminaire returns to full power/light output. Dimming on low is factory set to 50% with 5 minutes default in "full power" prior to dimming back to low. When no motion is detected for 5 minutes, the motion response system reduces the wattage by 50%, to 50% of the normal constant wattage reducing the light level. Other dimming settings can be provided if different dimming levels are required (contact Technical Support for details).

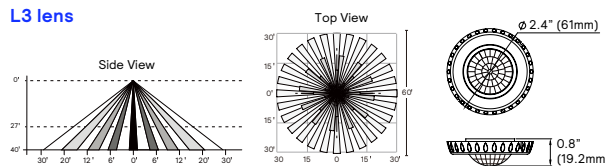
Infrared Motion Response Lenses (L2/L3):

Infrared Motion Response Integral module is available with two different sensor lens types to accommodate various mounting heights and occupancy detection ranges. Lens #2 is designed for mounting heights 8' to 15'. Lens #3 is designed for higher mounting heights up to 20' with a 40' diameter coverage area. See charts for approximate detection patterns:

L2 lens



L3 lens



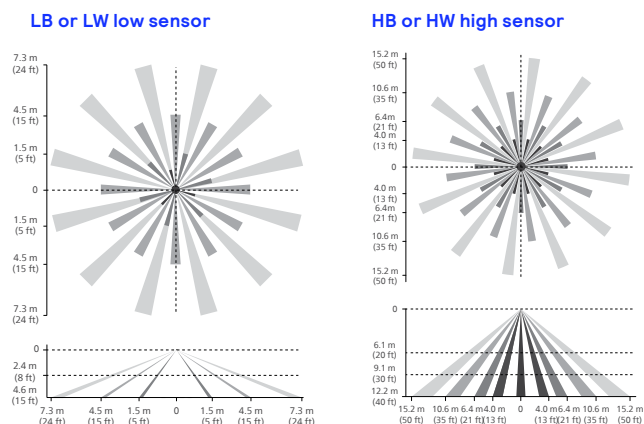
GL18 Gullwing LED area luminaire, large

Site and Area

Outdoor Interact (WIAP): Connected sensor with integral occupancy and daylight sensing, supports wireless mesh connectivity. Sensor works in the standalone mode when configured without a gateway. When used with a gateway you are able to access additional functionalities such as energy monitoring, scheduling and BMS integration. Interact offers an App, a portal and a broad portfolio of Interact-ready Indoor and Outdoor luminaires, lamps and retrofit kits all working on the same system. The App provides flexibility to choose between a standalone or gateway mode. Setup with the gateway requires wired Internet access to the gateway. WIAP includes D4i driver and 4-pin Zhaga Book 18 receptacle. Daylight harvesting supported through dimming – activated via the Interact App. Sensors IP66 rated.

For more information on Interact Pro visit:

www.interact-lighting.com/interactproscalablesystem



Note: The beam patterns shown are intended solely as a general guide and are not to scale. Sensing capabilities and coverage area depend on many factors including the size, speed and direction of travel of persons and vehicles; sensor mounting height; environmental and site conditions; etc.

Electrical

Luminaires are equipped with an LED driver that accepts 120V through 277V, or 347V through 480V, 50hz to 60hz, input. Driver output is based on the LED wattage selected. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL. Power factor is not less than 90%. Luminaire consumes 0.0 watts in the off state. All motion sensors utilized consume 0.0 watts in the off state. Surge protector standard. 10KA per ANSI/IEEE C62.41.2.

Twist-Lock Receptacle (TR7/TLP): Twist-Lock Receptacle with 7 pins enabling dimming with additional functionality (by others) can be used with a twist-lock photoelectric cell or a shorting cap. Dimming Receptacle Type D-24 (7-pin) in accordance to ANSI C136.41. Can be used with third-party control system. Receptacle located on top of luminaire arm. When specifying receptacle with twist-lock photoelectric cell (TLP), voltage must be specified. When ordering 7-pin Twist-lock receptacle (TR7), all 7 pins are wired to respective pins with the with the D4i Certified DALI/SR driver, and photocell or shorting cap is not included. When ordering a twist-lock receptacle with a photocell (TLP), the receptacle used is a 7-pin receptacle, with pins 6 and 7 connected to SR DALI driver. 0-10V dimming leads (pins 4 and 5) are connected if not ordered with any other dimming option.

Driver: Driver efficiency (>90% standard). 120-480V available (restrictions apply). Open/short circuit protection. All drivers are 0-10V dimming to 10% power standard, except when using Sensor Ready (SR) drivers, which uses DALI protocol (options CS50/CM50/CS30/CM30, SRDR, and TR7). Drivers are RoHS and FCC Title 47 CFR Part 15 compliant.

Surge protection (SP1/SP2): Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level 10kV/10kA. 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BZ), black (BK), white (WH), dark gray (DG), and medium gray (MG). The finish achieves a minimum scribe rating of 6 per ASTM D1654 after a minimum of 3000 hours salt spray in accordance with testing performed per ASTM B117 standard. Consult Factory for specs on optional, custom colors, and marine grade paint.

Listings

UL/cUL wet location listed to the UL 1598 standard, suitable for use in ambient temperatures from -40° to 40°C (-40° to 104°F). CCTs 3000K and warmer are DarkSky Approved.

Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the APP and register your product right away. For more details visit: signify.com

Warranty

Gardco luminaires feature a 5-year limited warranty. See signify.com/warranties for complete details and exclusions.