

G2 LED | SL Series Parking and Street Lighting



Product Overview

G2LED Lighting can be installed as new lighting or as a retrofit to existing lighting. The Outdoor LED Lighting fixtures offer directional control and minimize light migration outside the targeted light footprint, instantly improving visibility.

G2LED Lighting emits a bright UV-free “white light,” which improves light quality, reduces glare and reduces attraction of insects.

Product Versions

- 8 Watt
- 15 Watt
- 30 Watt
- 45 Watt
- 60 Watt



Applications

- Streets
- Sidewalks & Pathways
- Parks & Playgrounds
- Parking Lots
- Golf Courses
- Animal Yards
- Storage Yards
- Overpasses
- Bridges
- Tunnels

Return on Investment

Significant energy savings of up to 80% or more can be realized using G2LED Lighting, a serious consideration for any organization.

G2LED Outdoor Lighting provides a 50,000 hour + average lifetime of 15 years assuming a usage of 10 hours a day at 300 days per year. At this rate, maintenance and replacement are greatly reduced, contributing to added cost savings and rapid payback.

To further reduce energy consumption, G2LED Lights can be supplied with a “dusk-to-dawn” photo sensor, a motion sensor and/or a user defined “zone program” enabling lighting management within predefined hours and light levels using Ringdale’s Light Space Management™.

Features and Benefit Summary

- **Significant Energy Savings**
Reduce energy consumption by 50-85% energy consumption by replacing 150, 250 and 400 watt fixtures
- Install as new or retrofit existing
- Support **Green Initiatives** and sustainability
- **Increase Safety and Security**
Brighter, whiter light makes it easier to see and reduces shadows. Perfect for outdoor security, accent and perimeter lighting.
 - Reduce parking lot accidents
 - Increase property value
- **Reduce Insect Attraction | UV Free**
Insects are attracted to UV, not the light itself.
- **Increased Brilliancy**
Replace yellow or dim lighting with more visible “white light” for improved light quality and uniformity
- **Directional control over light footprint**
Minimize light migration and wasted energy. Illuminate your area, not your neighbors.
- **Lower heat emission** with small infrared footprint
- **International Dark-Sky Association**
Full cutoff compliant,. exceeds light level recommended for Neighborhood Parking, Industrial Employee Parking, Educational Facilities and Churches.
- Virtually maintenance free: only servicing required is cleaning of the diffuser (equivalent to cleaning conventional lights)

65% More Efficient compared to competing LED

Supports Green Initiatives

- **100 Mercury Free**
- No Toxic Materials
- 160,000 light hours per LED unit
 - Less product waste
 - Less maintenance cost
- **Engineered and Manufactured in the USA**
 - Less fuel for transportation
 - Supports Go Local Initiatives
- Consumes less energy
- 80% more efficient in every application

Shine Light Where Needed and not in the sky or other fringe areas

UV Free light attracts fewer insects

Energy Independence and Security Act of 2007



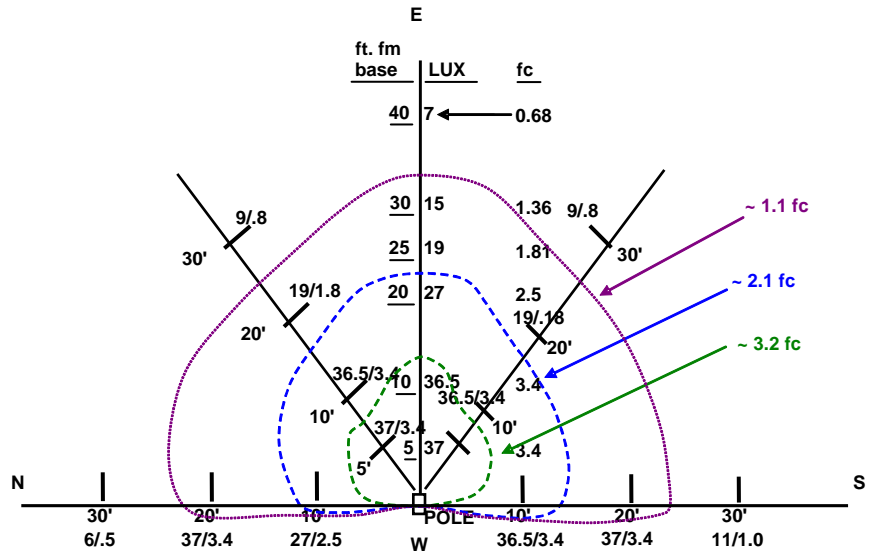
G2•HD LED Lighting exceeds requirements set by the Energy Independence and Security Act of 2007. The Act was signed into law by President Bush on December 19, 2007.

Under the new law, all light bulbs must use 25% to 30% less energy than today's products by 2012 to 2014. The phase-in will start with 100-watt bulbs in January 2012 and end with 40-watt bulbs in January 2014. By 2020, bulbs must be 70% more efficient.

LED Lighting Level Data

The chart at right shows the SL-60 at a 28-ft. mounting height LUX and foot-candle (fc) values determined from measurements taken 36 inches from the surface.

Caberra recommends a 20-25 ft. mounting height to increase light level and minimize light pollution.



Light Levels Needed

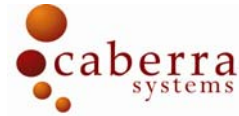
International Dark-Sky Association | Luminance Recommendations (Candles/LUX)

		LOW	HIGH	
ROADWAY	High	6.4	17.2	Expressway, Major Road, Collector Road
	Low	3.2	8.6	Freeway Class A & B, Collector Road, Local Road
		AVG	MIN	
PARKING	High	38.7	9.7	Major League Athletic Events, Major Cultural or Civic Events Regional Shopping Centers, Fast Food Facilities
	Medium	25.8	6.4	Shopping Centers, Cultural, Civic, Recreational Events Office, Airports, Commuter Lots, Residential Complex, Hospital
	Low	8.6	2.2	Neighborhood Parking, Industrial Employee Parking, Educational Facilities, Churches

¹ IDA luminance recommendations based on a 3' above surface measurement.

Suitability Chart

Product Code	Suitability	Suggested Pole Height in m / ft
SL-0008	Walk Path	2.4 m / 8 ft
SL-0015	Walk Path	3.0 m / 10 ft
SL-0030	Parking Lot	4.0 m / 13 ft
SL-0045	Street / Yard	4.9 m / 16 ft
SL-0060	Street / Highway	6.0 m / 20 ft



Specifications

Product Number	<ul style="list-style-type: none"> 00-27-1601-0008, 8 Watts 00-27-1601-0015, 15 Watts 00-27-1601-0030, 30 Watts 00-27-1601-0045, 45 Watts 00-27-1601-0060, 60 Watts 		
Dimensions	4"H x 6"W x 30"L 17 lbs. Pole Mounted or Surface	Mounting Bolts	4" x 4" Pole 1 ½" – 2" Pole Arm Customized Mounts Avail.
Color Finish	Silver Charcoal Grey Brown Custom Avail.	Fixture Design	Fixture housing is all aluminum construction. Fixture utilizes standard 3 wire connection. White ,Black, Green power input wire with single solid state computer control power supply.
Power	Up to 60 watts	Voltage	Universal 100v-277v
Power Factor	>.91	Input Voltage	100-277V AC
Color Temp.	CCT 5100K	Operating Temp	-40..+60 deg C -40..+140 deg F
LED Performance	Generation 2 LED SE x4	Efficacy	70-110 Lumens/Watt
Energy Factor	.0.95 (at 208V)	Scotopic Advantage	Factor x1.7
Warranty	5 year	Patents	3 international patents

Max Input Amp Draw

Amp	120V	208V	220V	230V	240V	277V
	0.5	0.289	0.272	0.261	0.25	0.217

LED Watts	Lumens*
8	800
15	1500
30	3000
45	4500
60	6000

*Lumens multiplier 100

MADE IN THE USA

Designed, engineering and
manufactured in Texas, USA.



Factory Installed Options

- Motion Sensor
- Dusk until Dawn Photo Sensor
- Dimmer
- Mounting Bracket
- Base of Pole Mounted Power Supply
- Battery Backup Opt – 10-15 hrs/charge, 4-6 year life
- Backup power supply Redundancy applications
- Bulletproof Glass
- Explosion proofing gaskets
- Pole Base config.2
- Ethernet Connector on Power Supply
Light Space Management™ (LSM) 3



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