

G2 LED | BB Series Billboard Lighting

Product Overview

G2LED Billboard Lights provide an energy-efficient solution to conventional high wattage lights without sacrificing light output. The LED Billboard Light fixture delivers clear and even billboard illumination that is nearly identical to natural daylight.

With its unique design, G2LED's light fixture focuses the light directly on the billboard eliminating light pollution and resulting in significant energy savings – up to 90%. Additional energy savings can be achieved from daylight sensors and remote energy management features.

Illuminate Your Billboard Using 408 Watts

The illumination of a standard 48' x 14' billboard requires just four G2LED Billboard light fixtures per side. Save over 2,790 watts as G2LED replaces 3,200 watts of conventional light fixtures with 408 watts of brilliant, clear LED lighting.

Heat Management Technology

The design has optimized water management and cooling to be effective in the hottest of climates (130° F) as well as performing without degradation down to -40° F.

Easy Installation | Reduced Maintenance

Precise adjustment of the angle of the billboard light via the convenient end mounting bolts (10mm) allows for most billboard sizes and configurations.

The only servicing required is the cleaning of the diffuser (equivalent to the cleaning of conventional street lights) at an approximate cost of \$5.25 annual cost per light fixture.

LED Billboard Lighting solves the problems of operation cost, energy waste, light trespass and maintenance.



Key Benefits and Features

- 36, 45, 48 Watt Options
 - Reduce energy consumption by up to 90% and produce similar light output up to 3,200 watts of conventional light fixtures
- Enhanced Light – Replace existing lighting with more visible “white light” for improved quality and uniformity (close to natural daylight)
- Improved visibility from the roadway
- Eliminates light pollution or “trespass”
- International Dark-Sky Association full cut-off compliant
- Virtually maintenance free
- Military grade construction
- Heat management technology for reliable operation in temperatures -40° F to 130° F
- Install as new or as a retrofit to existing lighting
- Patented (US and International) LED technology

Supports Green Initiatives

- 100 Mercury and UV Free
- No Toxic Materials
- 160,000 light hours per LED unit
- Made in the USA
- International Dark-Skies Association



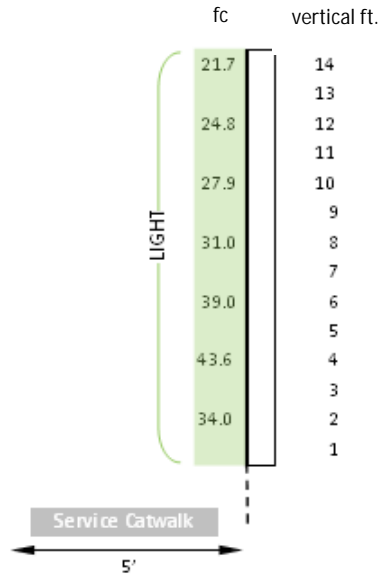
MADE IN THE USA

Designed, engineering and manufactured in Texas, USA by Ringdale Technologies.

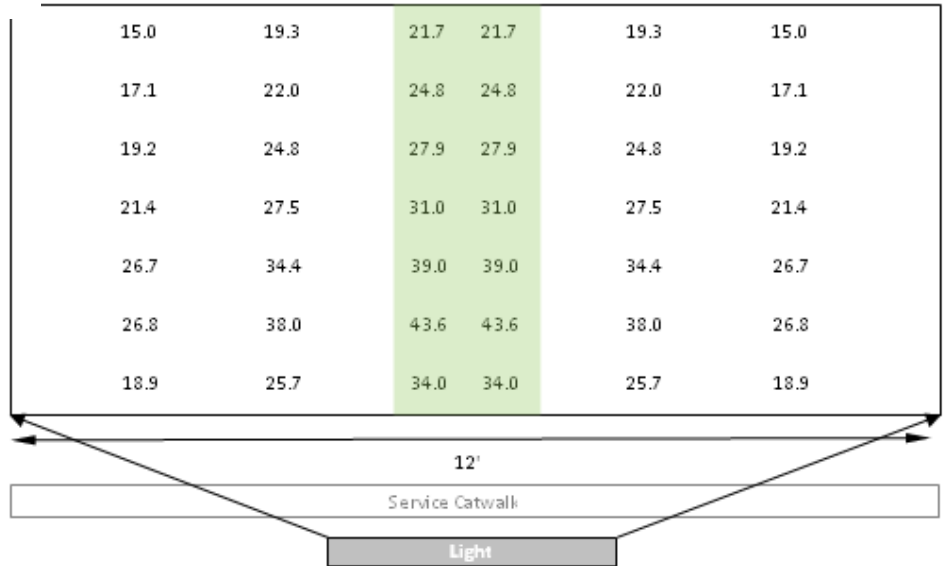
Photometrics

The schematics show the light level measurements for a single 48 watt G2LED Billboard Light at a 5' mounting distance from the billboard surface. The results illustrate the brightness and uniformity of the light. fc = foot candles

Foot Candles | Side View

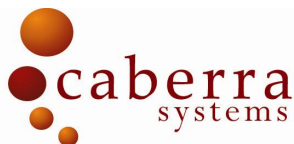


Foot Candles | Front View



Specifications

Product Number	38 Watt: 00-27-5601-0038 (High Output) 45 Watt: 00-27-5601-0045 52 Watt: 00-27-5601-0052 (High Output)		
Dimensions	6"(w) x 4"(h) x 40"(l) (15.2 x 10.2 x 101.6cm) 27 lbs, 12.2 Kg	Mounting	End mounting bolts Mounting brackets not included, brackets sold separately. Kit: 00-27-0002-0001.
Light Equivalent Incandescent/FL	45W: 400/60 38W HO: 600/100 52W HO: 800/150	Finishes	Brown, Custom Avail.
Voltage	Universal 100v-277v	Fixture Design	Rugged, weather-resistant housing with hood to minimize light spillage. Fixture utilizes standard 3 wire connection.
Power	Up to 45 watts	Input Voltage	Auto-sensing 90..277V AC, 50/60 Hz
Power Factor	>.95	Operating Temp	-40..+60 deg C -40..+140 deg F
Color Temp.	5100K	Efficacy	90-110 Lumens/Watt
LED Performance	Generation 2 LED SE x4	Scotopic Advantage	Factor x1.7
Energy Factor	.0.95 (at 208V)	Humidity	0 – 95%
Warranty	10 years on LED elements, 5 years on other materials and workmanship and 3½ years on batteries and super-capacitors.		
Options	Motion Sensor Daylight Sensor		
G2LED engineered and manufactured by Ringdale Technologies, Inc. Caberra is a strategic partner of Ringdale.			



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