

**LA-01**

**Application**

Floodlight with earth spike and adjustable knuckle. This luminaire is ideally suited for highlighting architecture and landscape elements around the home and garden. The earth spike mounting allows for flexible installation as design parameters change over time. Low voltage magnetic transformer required for operation.

**Materials**

Clear safety glass  
 Marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy  
 High temperature silicone gasket  
 Pure anodized aluminum reflector

**NRTL** listed to North American Standards, suitable for wet locations  
 Protection class IP 65

**Weight:** 2.6 lbs.

**Electrical**

Operating voltage	12VAC
Minimum start temperature	-40° C
LED module wattage	3.0W
System wattage	4.0W
Controllability	Non-Dimming
Color rendering index	Ra > 90
Luminaire lumens	332lm
LED service life (L70)	60000hrs

**LED color temperature**

- 4000K (K4)
- 3500K (K35)
- 3000K (K3)
- 2700K (K27)

**BEGA** can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

**Finish**

BEGA Black polyester powder coat finish. Custom colors not available.

Type:  
 BEGA Product:  
 Project:  
 Modified:

**Reviewed for code compliance**  
**M Holden**  
 11/26/2024 12:34:38 PM

**Available accessories**

- B536 Low voltage magnetic transformer · 300W

See individual accessory spec sheet for details.



**Garden floodlight with earth spike · Symmetric • 12V AC**

	LED	□	A	B	C
<b>B84067</b>	3.0W	32°	4 <sup>1</sup> / <sub>8</sub>	15 <sup>3</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>8</sub>

**LB-01**

**Application**

BEGA system bollard head with shielded 360° light distribution. Simply order the bollard head and also the required bollard tube in various heights and options. Both modules can be joined together easily and quickly during the installation.

**Materials**

- Clear safety glass
- Marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
- High temperature silicone gasket
- Mechanically captive stainless steel fasteners
- Pure anodized aluminum reflector surface

**NRTL** listed to North American Standards, suitable for wet locations  
Protection class IP 65

**Weight:** 8.4 lbs.

**Electrical**

Operating voltage	120-277VAC
Minimum start temperature	-30° C
LED module wattage	16.5 W
System wattage	19.8 W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	1286 lm
LED service life (L70)	60000 hrs

**LED color temperature**

- 4000K (K4)
- 3500K (K35)
- 3000K (K3)
- 2700K (K27)

**BEGA** can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

**Finish**

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

**Available colors**

- Black (BLK)
- Silver (SLV)
- RAL:
- Bronze (BRZ)
- White (WHT)
- CUS:

Type:

BEGA Product:

Project:

Modified:

**Available options**

- CUS Custom finish
- DALI-2 DALI dimming (99622 tube only)
- MGU Marine grade undercoat
- RAL RAL finish

· A ·



**System bollard head · Shielded · 360°**

	LED	A	B
<b>B99862</b>	16.5 W	7 1/2	5 1/2



## System bollard summary · Round

BEGA

The overview provides a compact summary of the possibilities for combining the various bollard heads with the bollard tubes and their additional functions.

For each bollard head you can find matching bollard tubes with and without components.

System bollard heads with compatible tubes		ø5 1/2		ø7 1/2		ø10 3/8		ø5 1/2		ø7 1/2		ø5 1/2		ø7 1/2		ø10 3/8		ø7 1/2		ø5 1/2		ø7 1/2		ø10 3/8		
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### Compatible tubes · Ø7 1/2

#### System bollard tube · No access door

	A	B
<b>B99615</b>	7 1/2	14 1/2

#### System bollard tube · No access door

	A	B
<b>B96177</b>	7 1/2	32

#### System bollard tube · With access door

	A	B
<b>B99622</b>	7 1/2	32

#### System bollard tube · Integral floodlight

	LED	A	B
<b>B99644</b>	19.3W	7 1/2	32

#### System bollard tube · Integral emergency lighting battery

	A	B
<b>B99635</b>	7 1/2	32

#### System bollard tube · Integral GFCI outlet

	A	B
<b>B99626</b>	7 1/2	32

#### Wood system bollard tube · Round

	A	B
<b>B84464</b>	7 1/2	32 1/8

#### System bollard tube · Integral PIR motion sensor

	A	B
<b>B99658</b>	7 1/2	32

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Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to [bega-us.com](http://bega-us.com)  
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The G-LIGHT system from Greco Architectural Metal Products provides LED lighting built right into the rail system with state-of-the-art, low-voltage LED light strips. G-LIGHT™ can be used in new railing or retrofit applications offering a decorative feature and illumination for safety and the perfect ambiance for any outdoor or indoor architectural space.

### G-LIGHT Data

#### Material Options

**Aluminum:** The G-light system uses 1.5 inches custom extruded tubing that houses the unique space for wires necessary to run multiple railings with one driver. Finishes off with an opaque lens cover concealing all of these parts for a clean and safe finish product.

**Stainless Steel:** Stainless steel tubing with similar specifications as aluminum is also available.

#### Finish Options

**Aluminum:** Various finish options are offered, including powder coat, anodized, Kynar, and mill finish.

**Stainless Steel:** Stainless steel options include brushed #4 finish and powder coating.

#### Length Limitations

The length of the G-lighted handrail is determined by the distance between the lighted rail location and the electrical connection point from the house power and LED driver. Two options are available:

**Option 1 (Standard):** LPV-100-24 driver supports approximately 30 lineal feet of G-lighted handrail. *Note: confirmation from your electrical contractor is recommend.*

**Option 2 (Upgraded):** HLG-480H-24 driver allows for up to 90 lineal feet of G-lighted handrail. *Note: confirmation from your electrical contractor is recommend.*

#### Design Styles

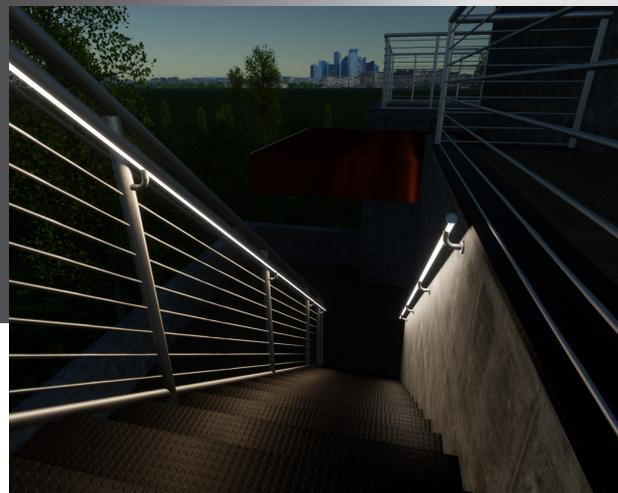
Design styles for G-lighted handrails are based on architectural aesthetics and access to electrical systems:

**Single Line Handrails for Stairs:** These are the most popular and involve coordinating the location of the chase or conduit with the electrical contractor, either at the top or bottom of the handrail location in order to allow access from the power source.

**Wall Mounted Handrails for Stairs:** In cases where there is a wall or substrate on the exterior side of stairs, access for conduit or chase must be designed either at the top or bottom of the handrail, or by returning it to the ground in order to allow access from the power source.

**Handrails Mounted on Guard Railings:** Similar to wall-mounted handrails, access for electrical conduit or chase must be coordinated at the top or bottom of the handrail or through the balusters in order to access from the power source.

*Note: It's crucial to consult with an electrical professional to determine the appropriate option and wire sizing based on the project's specific requirements and the distance between power sources and drivers.*



### Key Features

- ✓ Versatile architectural lighting solution
- ✓ Provides safety and lighted pathway
- ✓ Can be fully welded into a custom application
- ✓ Linear lighting rail
- ✓ Retrofit options with mechanically attached bracket

### Top Rail Lighting

The G-light system can also be added to the top of various railing designs for guard rail systems. Access for wiring can be coordinated at one end or the other, either through the ground, wall, or railing balusters. This option can provide both aesthetic and safety lighting.

### Product Consultation

Greco Architectural Metal Products offers consultation services to help with project-specific dimensions, electrical access planning, and coordination with installers and electricians.

When considering the G-LIGHT system for a project, factors such as material selection, finish, power supply, wire sizing, and conduit access should all be carefully evaluated to ensure a successful installation.



## G-LIGHT Product Specs

Insert LED light track into G-LIGHT slotted tube

1. Source: Selected high brightness LED
2. Life (L70/ 70% brightness): 50,000 hours
3. Light Output: [G-light Standard Output, [6000K] [1000K]
4. Housing: Extruded Aluminum or stainless steel  
Mounting: adhesion
5. Listings: ETL Listed for wet or dry locations
  - a) Total Length: [0' to 30'] w/LPV-100-2
  - b) Total Length: [0' to 90'] w/HLG-480-24
6. Power Requirements: 24V
7. Power Consumption: G-LIGHT [3.7 W/ft] [4.5 W/ft]
8. Power Supply: 24V / 100W
9. Input Voltage to Power Supply: [120-277] [347]
10. Temperature Range: -40° C through +60° C
11. Product Rating: Interior and Exterior Applications, ETL, Class 2 circuit
12. Beam Angle: [Symmetric]
13. IP Grade IP67

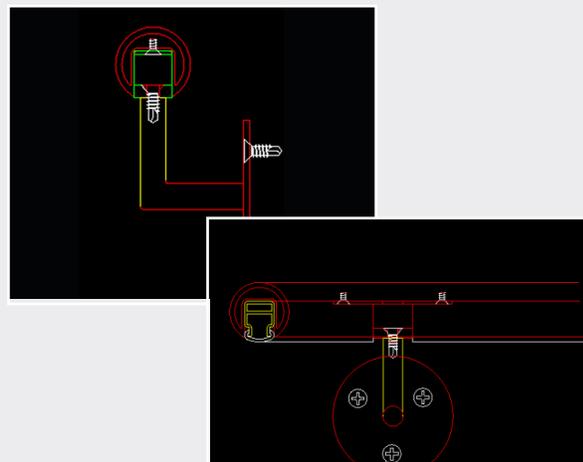


## G-LIGHT References

- [Wire Size and Voltage Drop Chart >>](#)
- [Installation Manual >>](#)
- [480W Constant Voltage + Constant Current LED Drive Reference \(HLG-480H series\) >>](#)
- [LED Power Supply Installation 100W Single Output Switching Power Supply Reference \(LVP-100 series\) >>](#)
- [LED Strip Light Data Sheet >>](#)

## G-LIGHT BIM

G-LIGHT BIM files are available. Click on the QR Code below to request BIM or CAD files.



BIM & CAD Files

**LD-01**

**Application**

Bollard luminaire with indirect light distribution. The light is directed onto the top reflector and then redirected downward onto the illuminated surface. These luminaires are ideal where glare-free illumination is required. Provided with mounting system that allows the luminaire to be adjusted independent of anchor bolt orientation.

**Materials**

- Borosilicate glass
- Die-cast aluminum
- Extruded aluminum
- Mechanically captive stainless steel fasteners
- High temperature silicone gasket
- Galvanized steel anchorage
- Pure anodized aluminum reflector

**NRTL** listed to North American Standards, suitable for wet locations  
Protection class IP 65

**Weight:** 14.8 lbs.

**Electrical**

Operating voltage	120-277V AC
Minimum start temperature	-30° C
LED module wattage	19.2 W
System wattage	22.0 W
Controllability	0-10V, TRIAC, and ELV dimmable
Color rendering index	Ra > 90
Luminaire lumens	549 lm
LED service life (L70)	60000 hrs

**LED color temperature**

- 4000K (K4)
- 3500K (K35)
- 3000K (K3)
- 2700K (K27)

**BEGA** can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

**Finish**

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**Available colors**

- Black (BLK)
- Silver (SLV)
- RAL:
- Bronze (BRZ)
- White (WHT)
- CUS:



**Bollard · Directed light**

	LED	A	B	C
<b>B77589</b>	19.2 W	10 <sup>1</sup> / <sub>4</sub>	31 <sup>1</sup> / <sub>4</sub>	5 <sup>1</sup> / <sub>2</sub>

**BEGA** 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Type:

BEGA Product:

Project:

Modified:

**Available options**

- 70895 Direct burial anchorage (replaces included anchorage kit, pre-shippable)
- CUS Custom finish
- FSC Fusing
- MGU Marine grade undercoat
- RAL RAL finish

**Included (available for pre-shipment)**

- B79817 Anchorage kit

