



| | |
|----------------|------|
| Catalog Number | |
| Project | Type |

FEATURES & SPECIFICATIONS

APPLICATION — The Genesis Gen2 line of LED Landscape Bullets are the most versatile LED fixtures on the market today. Various beam spreads and wattages allow for a customized finish to any property. The high end residential grade system was designed for 120V operation residential applications.

CONSTRUCTION — The die cast aluminum heat sink has 24 heat dissipating fins to maintain a cool operating LED for maximum life. The fins are independently supported to allow for unobstructed airflow. The fixture is designed to efficiently perform in any mounting orientation.

FINISH — A cathodic epoxy electrocoat primer or E-Coat is applied to all die cast aluminum components. E-coating provides the ultimate in corrosion and chemical resistance, providing superior salt spray, humidity and cyclic corrosion endurance. After the E-Coat is applied a super durable polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, OD Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Techlight's proprietary OpticapSystem™ utilizes factory installed optical lenses & reflectors to increase fixture lumen output efficiency. The system is provided with a high performance convex lenticular prismatic flood or a plano-convex spot optical lens. The flood & spot optical lenses are molded from low iron tempered glass. A 96% reflective UV stabilized injection molded reflector is included with each system. The OpticapSystem shields are designed for optimum glare control in up or downlighting positions. A variety of glass color filters are available to meet the designers specific color control needs.

ELECTRICAL SYSTEM — NOTE: A Techlight Surge Protector must be incorporated into the LED system at the beginning of each circuit as a minimum. Failure to do so will void the system warranty. Fixture operates at 120V input voltage. Nominal open circuit current .25 to .42 amps. A 30 or 50 watt LED source provides approximately 2353 to 3680 (CW) Lumens of light. System is compatible with the use of a rotary TRIAC Dimmer.

GL2 SERIES

Genesis Gen2 Large LED Landscape Bullet

Patent: D0648056



Fixture shown with
SGL2DN60 Down Shield

| SERIES | HOUSING HEIGHT | LENGTH & WIDTH |
|------------|----------------|----------------|
| GL2 | 4.8" | 7" x 4.3" |

MOUNTING — The die cast aluminum mount is secured to the heat sink by stainless steel screws and is sealed with an integral o-ring. A 1/2" threaded knuckle is provided standard.

LISTINGS — ETL listed for wet locations. Meets US and Canadian safety standards. -40°C to 50°C ambient operation.

WARRANTY — Techlight warrants the LED lighting Product(s) to be free from defects in material and workmanship for a period of three years for LED Light Engines and LED Power Components, from the date of shipment. Ground mounted products that are provided standard with our proprietary E-Coat pretreatment prior to the application of a powdercoat finish will carry a full 10 year finish warranty. Proper maintenance is required for full finish warranty.

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:

GL2 FL 30 NW 120 ODG

| GL2 | | | | | |
|------------|---------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| SERIES | DISTRIBUTION | WATTAGE | COLOR TEMP | VOLTAGE | FINISH |
| | FL = Flood (72°) SP = Spot (20°) | 30 = 30W 50 = 50W | CW = Cool White (5900K) NW = Neutral White (4000K) WW ³ = Warm White (3000K) <div style="border: 1px solid red; padding: 2px; display: inline-block;">CRI >80</div> | 120 = 120VAC | BZ = Bronze BK = Black ODG = OD Green WH = White SP = Special ¹ |

ACCESSORIES (Order as separate line items)

| | |
|---------------------------|----------------------------------------------------|
| SGL2DN60 | Downlight Shield |
| SGL2UP30 | Uplight Shield |
| SGL2TUBE | Tube Shield |
| 102552² | 120-277V, 10kV Surge Protector |
| B01GL | Tree Base with Ground Lug |
| B02 | 1/2" Conduit Base |
| B03 | 4" Round 3 Hole Cover |
| B16-12 | Palm Tree Base with 12' Strap |
| TLSBBJB | Brass Junction Box |
| SMSB | 12" x 1" Mounting Stake (Brass) |
| MMSB | 18" x 1" Mounting Stake (Brass) |
| LMSB | 20" x 2.5" Mounting Stake (Brass) |
| LMS | 20" x 2.5" Mounting Stake (SCH 40 PVC) |
| LMSZ-BK | 20" x 2.5" Mounting Stake (Zinc Top Painted Black) |
| LEDLFG120LENS | Green Glass Lens Filter (each) |
| LEDLB120LENS | Blue Glass Lens Filter (each) |
| TLHB800RCH | Digital Timer |
| PSJ163 | 16 Gauge 3 Strand Lead Wire |

NOTES

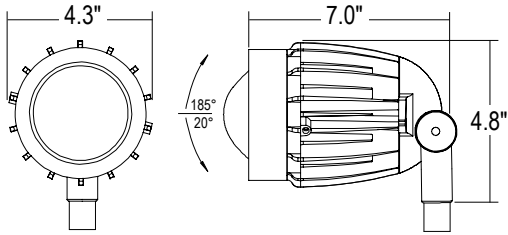
- ¹ = Custom RAL color matching is available. Contact your sales representative for additional info.
- ² = A Techlight Surge Protector must be incorporated into the LED system at the beginning of each circuit as a minimum. Failure to do so will void the system warranty.
- ³ = For Warm White options Consult Factory for availability.



GL2 Genesis Gen2 Large LED Landscape Bullet

AVAILABLE FIXTURE DIMENSIONS

Dimensions shown are for fixture bodies only. Mounting options must be ordered separately.



MOUNTING ACCESSORIES

B01GL
Tree Base with Ground Lug



B02
1/2" Conduit Base



B03
4" Round 3 Hole Cover



B16-12
Palm Tree Base with 12' Strap



TLSBBJB
Brass Junction Box



SMSB, MMSB
12" x 1" Mounting Stake (Brass)
18" x 1" Mounting Stake (Brass)



LMSB, LMS, LMSZ-BK
20" x 2.5" Mounting Stake (Brass)
20" x 2.5" Mounting Stake (SCH 40 PVC)
20" x 2.5" Mounting Stake (Zinc Top Painted Black)



ADDITIONAL FIXTURE OPTIONS & ACCESSORIES

*** OPTION ***
GL2CAPCVXFLDREFL (Factory Installed)
72° Flood OpticapSystem™
Field Installable Flood Optic



*** OPTION ***
GL2CAPSPOPTREFL (Factory Installed)
20° Spot OpticapSystem™
Field Installable Spot Optic



102552²
10kV Surge Protector, 120-277V



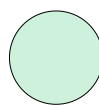
PSJ163
16 Gauge 3 Strand Lead Wire



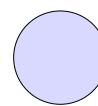
TLHB800RCH
Digital Timer



LEDLFG120LENS
Green Glass Lens Filter (each)

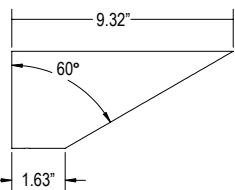


LEDLB120LENS
Blue Glass Lens Filter (each)

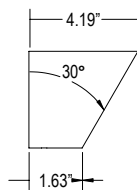


SHIELDS

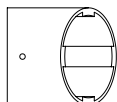
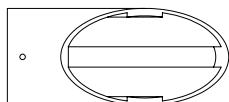
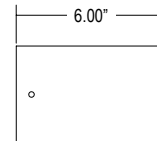
SGL2DN60
Downlight Shield



SGL2UP30
Uplight Shield



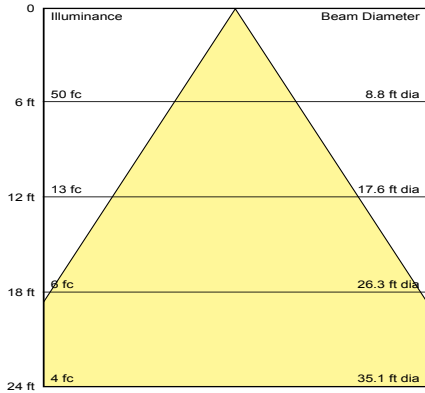
SGL2TUBE
Tube Shield



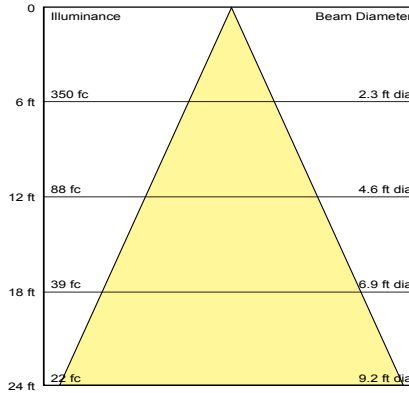
PERFORMANCE

ILLUMINANCE CONE DIAGRAMS

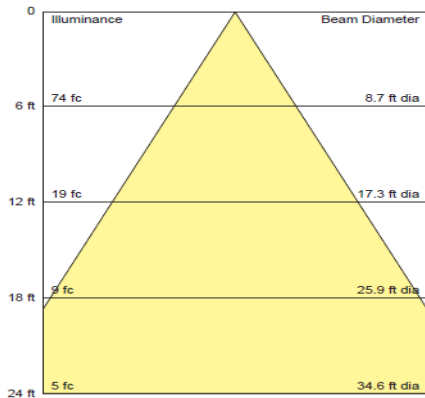
GL2FL30CW120 30W GL2 LED Bullet
Flood Optic Color Temperature: 5,900 K



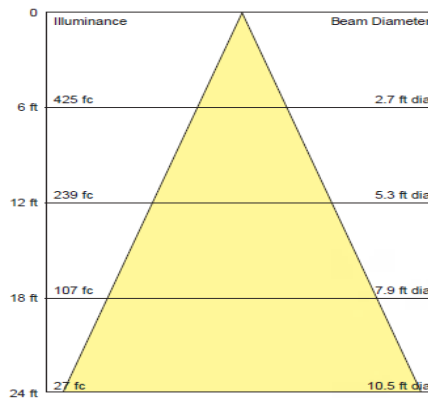
GL2SP30CW120 30W GL2 LED Bullet
Spot Optic Color Temperature: 5,900 K



GL2FL50CW120 50W GL2 LED Bullet
Flood Optic Color Temperature: 5,900 K



GL2SP50CW120 50W GL2 LED Bullet
Spot Optic Color Temperature: 5,900 K



*Lumen output less any shielding

| Fixture | Color Temp | 30W Lumen Output | | 50W Lumen Output | |
|---------|------------|------------------|------|------------------|------|
| | | FL | SP | FL | SP |
| GL2 | CW (5900K) | 2280 | 2353 | 3664 | 3680 |
| | NW (4000K) | 2129 | 2196 | 3336 | 3337 |
| | WW (3000K) | N/A | N/A | 3230 | 3219 |