TECHLIGHT™
INNOVATOR AND LEADER IN THE LIGHTING INDUSTRY

GL2 SERIES

Genesis Gen2 Large LED Landscape Bullet

Catalog Number	
Project	Type

Patent: D0648056

Fixture shown with
SGL2DN60 Down Shield

SERIES	HOUSING HEIGHT	LENGTH & WIDTH
GL2	4.8”	7” x 4.3”

FEATURES & SPECIFICATIONS

APPLICATION — The Genesis Gen2 line of LED Lanscape 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 applcations.

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.

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 ½” 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** = Warm White (3000K) (Not Available in 30W) CRI >80	**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
102552[2]	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)
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.

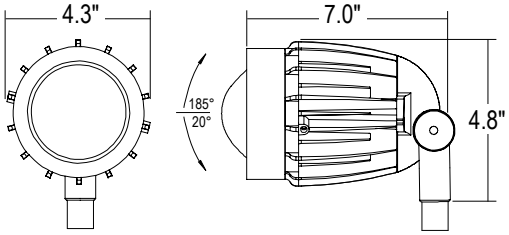
[2] = A Techlight Surge Protector must be incorporated into the LED system at the beginning of each circuit as a minimum. Failure to do so will void the system warranty.

All dimensions and specifications are subject to change without notice.

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

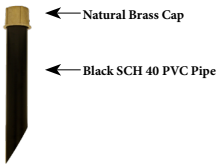
B02
1/2" Conduit Base

B03
4" Round 3 Hole Cover

B16-12
Palm Tree Base with 12' Strap

TLSBBJB
Brass Junction Box

SMSB, MMSB, LMSB
12" x 1" Mounting Stake (Brass)
18" x 1" Mounting Stake (Brass)
20" x 2.5" Mounting Stake (Brass)



ADDITIONAL FIXTURE OPTIONS & ACCESSORIES

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

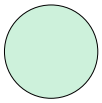
OPTION
GL2CAPSPOPTREFL (Factory Installed)
20° Spot OpticapSystemv
Field Installable Spot Optic

102552[2]
10kV Surge Protector, 120-277V

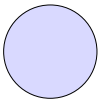
PSJ163
16 Gauge 3 Strand Lead Wire

TLHB800RCH
Digital Timer

LEDLFG120LENS
Green Glass Lens Filter (each)

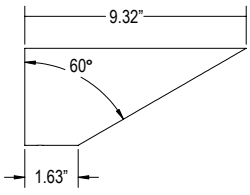


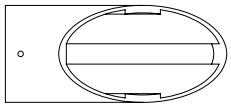
LEDLB120LENS
Blue Glass Lens Filter (each)



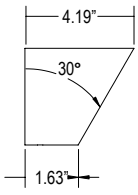
SHIELDS

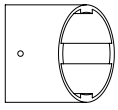
SGL2DN60
Downlight Shield



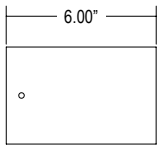


SGL2UP30
Uplight Shield





SGL2TUBE
Tube Shield

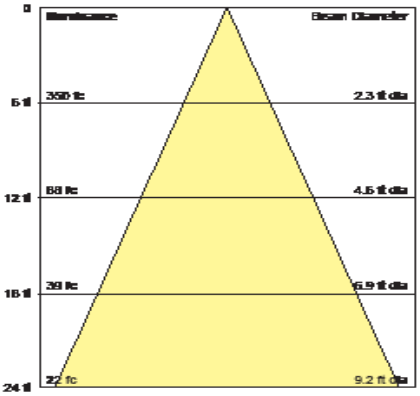


PERFORMANCE

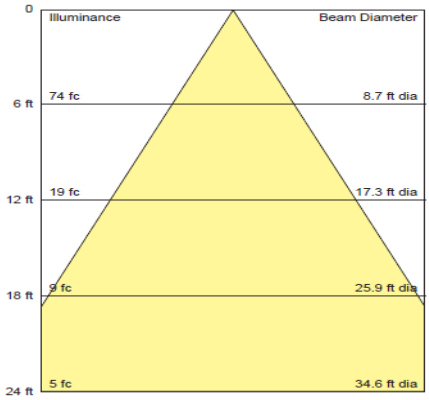
ILLUMINANCE CONE DIAGRAMS

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

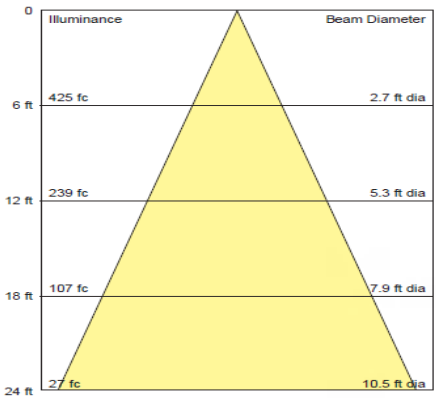
GL2SP30CW120
Spot Optic
30W GL2 LED Bullet
Color Temperature: 5,900 K



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



GL2SP50CW120
Spot Optic
50W GL2 LED Bullet
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