TECHLIGHT
INNOVATION IN ILLUMINATION

Catalog Number	
Project	Type

GM2 SERIES

Genesis Gen2 Medium 120V LED Landscape Bullet

Patent: D0648056

Fixture shown with
SGM2DN60 Down Shield

SERIES	HOUSING HEIGHT	LENGTH & WIDTH
GM2	4.1"	5.5" x 3.0"

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 12 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 Each system is provided with a high performance convex lenticular prism spot or flood lens made with low-iron content tempered borosilicate glass. Lenses are field changeable. A 96% reflective UV stabilized specular reflector is included with each system. The convex lenses and shields are configured to ensure water runs off and debris is washed clear of the lens in an up light application. A variety of glass lens filters are available to help meet your specific lighting 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 .08 amps. A 17 watt LED source provides approximately 1086 (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:
GM2FL17CW120ODG

GM2					
SERIES	**DISTRIBUTION**	**WATTAGE**	**COLOR TEMP**	**VOLTAGE**	**FINISH**
	FL = Flood (60°)	**17** = 17W	**CW** = Cool White	**120** = 120 VAC	**BZ** = Bronze
	SP = Spot (20°)		**NW** = Neutral White		**BK** = Black
			WW = Warm White		**ODG** = OD Green
					WH = White
			CRI >80		**SP** = Special[1]

ACCESSORIES (Order as separate line items)

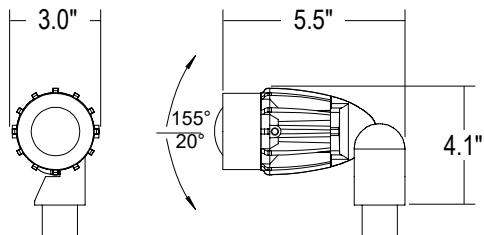|	
SGM2DN60	Downlight Shield
SGM2UP30	Uplight Shield
SGM2TUBE	Tube Shield
B01GL	Tree Base with Ground Lug
TLB02G	1/2" Conduit Base, OD Green
B03	4" Round 3 Hole Cover
B16-12	Palm Tree Base with 12' Strap
TLSBBJB	Brass Junction Box
LMSB	20" x 2.5" Mounting Stake
LEDMFG120LENS	Green Glass Lens Filter (each)
LEDMB120LENS	Blue Glass Lens Filter (each)
TLHB800RCH	Digital Timer
PSJ163	16 Gauge 3 Strand Lead Wire
100180[2]	120-277V 10kV Surge Protector
GM2CAPCVXFLDREFL	60° Flood OpticapSystem™ Field Installable Flood Optic
GM2CAPSPOPTREFL	20° Spot OpticapSystem™ Field Installable Spot Optic

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.

GM2 Genesis Gen2 Medium 120V LED Landscape Bullet

AVAILABLE FIXTURE DIMENSIONS

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

3.0"

5.5"

155°/20°

4.1"

MOUNTING ACCESSORIES

B01GL
Tree Base with Ground Lug

TLB02G
1/2" Conduit Base, OD Green

B03
4" Round 3 Hole Cover

TLSBBJB
Brass Junction Box

LMSB
20" x 2.5" Mounting Stakes w/ Brass Caps

B16-12
Palm Tree Base with 12' Strap

ADDITIONAL FIXTURE ACCESSORIES

GM2CAPCVXFLDREFL
60° Flood OpticapSystem™
Field Installable Flood Optic

Change the optic on the job by simply swapping the OpticapSystem™ on any fixture

100180²
120-277V 10kV Surge Protector

PSJ163
16 Gauge 3 Strand Lead Wire

GM2CAPSPOPTREFL
20° Spot OpticapSystem*v*
Field Installable Spot Optic

Change the optic on the job by simply swapping the OpticapSystem™ on any fixture

TLHB800RCH
Digital Timer
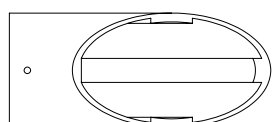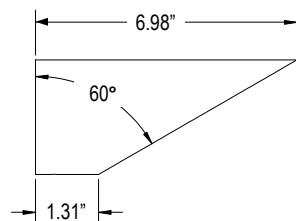
LEDMFG120LENS
Green Glass Lens Filter (each)
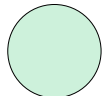
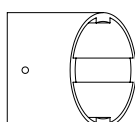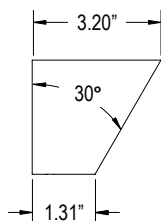**LEDMB120LENS**
Blue Glass Lens Filter (each)

SHIELDS

SGM2DN60
Downlight Shield
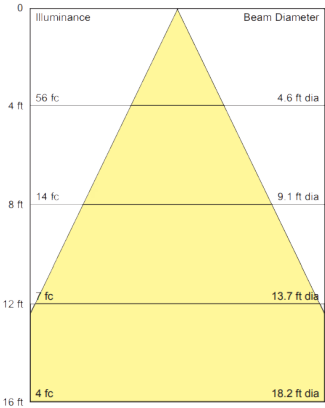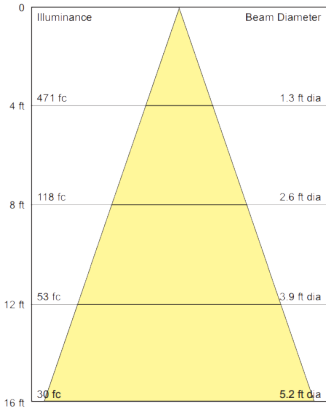
SGM2UP30
Uplight Shield

SGM2TUBE
Tube Shield

6.98"

60°

1.31"

3.20"

30°

1.31"

4.75"
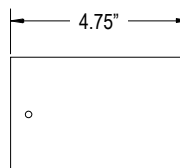
PERFORMANCE

ILLUMINANCE CONE DIAGRAMS

GM2FL17CW120   17W GM2 LED Bullet
Flood Optic   Color Temperature: 5,900 K

Illuminance	Beam Diameter
56 fc (4 ft)	4.6 ft dia
14 fc (8 ft)	9.1 ft dia
7 fc (12 ft)	13.7 ft dia
4 fc (16 ft)	18.2 ft dia

GM2SP17CW120   17W GM2 LED Bullet
Spot Optic   Color Temperature: 5,900 K

Illuminance	Beam Diameter
471 fc (4 ft)	1.3 ft dia
118 fc (8 ft)	2.6 ft dia
53 fc (12 ft)	3.9 ft dia
30 fc (16 ft)	5.2 ft dia

*Lumen output less any shielding

Fixture	Color Temp	17W Lumen Output	
		FL	SP
GM2	CW (5900K)	1086	1171
	NW (4000K)	1039	1119
	WW (3000K)	1022	1101