



PART NUMBER		TYPE	JOB/PROJECT
GEM- - - -			
QUANTITY	VOLTAGE	MFG	SUBMITTAL INFORMATION
		TECHLIGHT	CREATED BY: _____ DATE: _____
COMMENTS:			APPROVAL:
			APPROVED BY: _____ DATE: _____

## SPECIFICATIONS

### 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.

### Optical System

A high performance convex 60° flood, 15° spot, or 120° wide flood and diffuse reduced glare lens assemblies provide an efficient optical assembly in conjunction with the LED light source. The Lens Ring comes standard in a black finish. 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.

### Electrical System

A 22 watt single source LED Board provides approximately 2000 Lumens of Cool White light, 1460 Lumens of Warm White, or 1600 Lumens of Neutral White. We also offer a variety of gels lens filters to help meet your specific lighting needs. Consult the factory for availability.

### 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.

### Finish

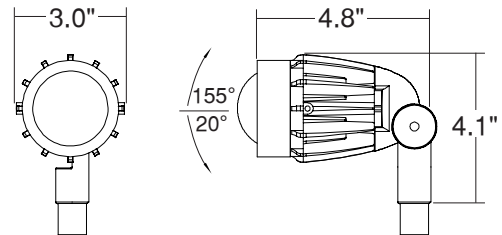
A chromate pretreatment is applied prior to the finishing process to ensure lasting durability. The bullet is finished with a Super Durable Powdercoat Paint with a UV inhibitor to make it impervious to atmospheric elements.

## Genesis Series Medium LED Bullet

**GEM**  
Patent: D0648056



### DIMENSIONS



**Note:** The Genesis LED System requires a fixture, driver, and a power supply for the system to operate. The use of any non-Techlight product within the LED system will void the warranty.

### ORDERING INFORMATION



[Contact Your Local Techlight Sales Representative for Additional Information](#)

Example: Medium LED Bullet, Cool White, Down Shield, 60° Flood, OD Green


### Fixture

### GEM-1-2-0-1-3









GEM					
SERIES	COLOR TEMP	SHIELD	BASE	LENS	FINISH
GEM GENESIS SERIES MEDIUM LED BULLET	1 Cool White / 5500K (GEMA20/5500)	1 Up Shield (S164)	0 None - for use with MV input remote driver assemblies.  NOTE: A Remote Driver Enclosure and separate mounting option is required for installation. See page 2 for options.	1 60° Flood Lens (LEDGIMFLOOD)	1 Black 2 Bronze 3 O.D. Green 4 White 5 Custom
	2 Warm White / 3000K (GEMA20/3000)	2 Down Shield (S165)		2 120° Wide Flood Lens (LEDGIMOPEN)	
	3 Neutral White / 4500K (GEMA20/4500)	3 Tube Shield (S166)		3 15° Spot Lens (LEDGIMSPOT)	
	4 Short Tube Shield (S185)	4 Diffuse Reduced Glare Dome Lens (LEDGIMDOME)			

# Genesis Series - Medium LED Bullet

## Remote Driver Enclosures (Order as separate catalog number)

MV INPUT - REMOTE DRIVER ENCLOSURES	
	MV Input Single Driver Enclosure <b>SDENCA25W</b>
	MV Input Dual Driver Enclosure <b>DDENCA25W</b>

## Mounting Options (Required / Order as separate catalog number)

GEM BULLET MOUNTING OPTIONS					
	Mounting Stake <b>LMS</b> (20"x2½")		Mounting Stake with Brass Cap <b>SMSB</b> (12"x1") <b>MMSB</b> (18"x1") <b>LMSB</b> (20"x2½")		½" Hub for Mounting on Driver Enclosure <b>B10</b>
	Tree Base with Ground Lug <b>B01GL</b>		Enclosed Conduit Base <b>B02</b>		4" Round 3 Hole Cover <b>B03</b>
					Brass Junction Box <b>TLSBBJB</b>
					Palm Tree Base with 12" Strap <b>B16-12</b>

## Accessories (Order as separate catalog number)

ACCESSORIES					
	Medium Down Shield <b>S165</b>		15° Spot Lens Assembly <b>LEDGIMSPOT</b>		Gel Lens Filter 12 Pack <b>LEDMDIFFUSER</b>
	Medium Up Shield <b>S164</b>		60° Flood Lens Assembly <b>LEDGIMFLOOD</b>		Green Gel Lens Filter 12 Pack <b>LEDMDIFFUSER-G</b>
	Medium Tube Shield <b>S166</b>		120° Wide Flood Lens Assembly <b>LEDGIMOPEN</b>		Yellow Gel Lens Filter 12 Pack <b>LEDMDIFFUSER-Y</b>
	Medium Short Tube Shield <b>S185</b>		Diffuse Reduced Glare Dome Lens <b>LEDGIMDOME</b>		Digital Timer <b>TLHB800RCH</b>
					18 Gauge 3 Strand Lead Wire <b>PSJ183</b> (Color Coded)
					18 Gauge 5 Strand Lead Wire <b>PSJ185</b> (Color Coded)

Accessory Bill of Material	QTY	QTY

Mounting and Power Accessories must be configured specifically for each individual job. The Bill of Material shown here should be for the complete project, not the individual fixture type within a project because multiple fixture types may be operated off of shared power supplies.

Notes:

LED lifetime calculations are derived from the life hours based on a 55° Tj (junction temperature). Techlight is constantly striving to improve LED performance, therefore, the information provided here is subject to change without notice.