



Genesis Gen2 LV Medium LED Burial Light

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 low voltage 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.

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.

OPTICAL SYSTEM — Techlight's proprietary OpticapSystem™ utilizes interchangeable 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. A variety of glass color filters are available to meet the designers specific color control needs. The aluminum or brass grill rotates 360° for glare control.

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 9-16VAC or 9-24VDC input voltage. A 23 watt LED source provides approximately 904 (CW) Lumens of light. Provided with a 15' or 30' 16/3 STW cord (custom lengths available upon request).

MOUNTING — Fixtures are designed to be in-ground well lights and should be installed according to the installation instructions made available by Techlight. Proper drainage and substrate must be provided for



SERIES	HOUSING HEIGHT	DIAMETER
WMAR	12"	5.6"

water to flow freely through the well sleeve.

LISTINGS — ETL listed for wet locations (IP67). Meets US and Canadian safety standards. -40°C to 40°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:

WMAR FL 23 NW LV BK

WMAR						
SERIES	DISTRIBUTION	WATTAGE	COLOR TEMP	VOLTAGE	FINISH	CORD
	FL = Flood (60°) SP = Spot (20°)	23 = 23W	CW = Cool White NW = Neutral White WW = Warm White	LV = 9-16VAC 9-24VDC	BK = Black	Blank = 15' Cord C30 = 30' Cord SP1 = Custom Length

ACCESSORIES (Order as separate line items)

100180²	10kV Surge Protector
LEDMFG120LENS	Green Glass Lens Filter (each)
LEDMB120LENS	Blue Glass Lens Filter (each)
TLHB800RCH	Digital Timer
GL2CAPCVXFLDREFL	60° Flood OpticapSystem™ Field Installable Flood Optic
GL2CAPSPOPTREFL	20° Spot OpticapSystem™ Field Installable Spot Optic

NOTES

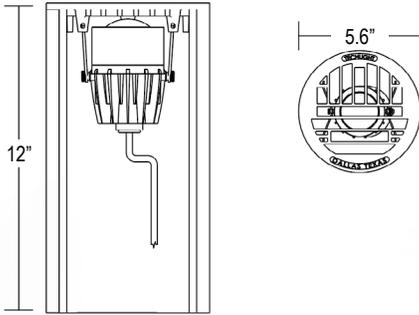
- Contact factory for custom length cords.
- A Techlight Surge Protector must be incorporated into the LED system at the beginning of each circuit as a minimum. Failure to do so will void the system warranty.



WMAR Genesis Gen2 LV Medium LED Burial Light

AVAILABLE FIXTURE DIMENSIONS

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



ACCESSORIES

GL2CAPCVXFLDREFL

60° Flood OpticapSystem™
Field Installable Flood Optic



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

100180¹

10kV Surge Protector



LEDMFG120LENS

Green Glass Lens Filter (each)



GL2CAPSPOPTREFL

20° Spot OpticapSystem™
Field Installable Spot Optic



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

TLHB800RCH

Digital Timer



LEDMB120LENS

Blue Glass Lens Filter (each)



TRANSFORMERS



ELV300 300W AC Low Voltage Enclosure
ELV600 600W AC Low Voltage Enclosure
ELV900 900W AC Low Voltage Enclosure
ELV1200 1200W AC Low Voltage Enclosure

ELV300 thru ELV1200 are 120VAC-11-15VAC magnetic stepdown xformers. They have 11, 12, 13, 14, 15VAC outputs. The 600W, 900W, & 1200W units have 2ea, 3ea, & 4ea 300W rated output circuits respectively. They are enclosed in a aluminum NEMA raintight enclosure polyester powder coated BK finish.



ELV300MV24DCSS
300W DC Transformer in a Stainless Steel Enclosure

Output Voltage	Input Voltage Range	Output Current Range	Max. Output Power	Typical Efficiency (1)	Power Factor	
					110Vac	220Vac
24 Vdc	90 ~ 305 Vac	0 ~ 12.5 A	300 W	91%	.99	.96



ELV500MV24DCSS
500W DC Transformer in a Stainless Steel Enclosure

Output Voltage	Input Voltage Range	Output Current Range	Max. Output Power	Typical Efficiency (1)	Power Factor	
					110Vac	220Vac
24 Vdc	175 ~ 305 Vac	0 ~ 20.83 A	500 W	94%	.99	.96

The ELV150MV24DCSS thru ELV500MV24DCSS are 120-277VAC – 24VDC electronic power supplies. They are equipped with surge protection, and are enclosed in a stainless steel NEMA raintight enclosure with natural finish. The data listed for these power supplies is correct. Just need to add the 150W version.



LVSS300 300W SS AC Low Voltage Enclosure
LVSS600 600W SS AC Low Voltage Enclosure
LVSS900 900W SS AC Low Voltage Enclosure
LVSS1200 1200W SS AC Low Voltage Enclosure

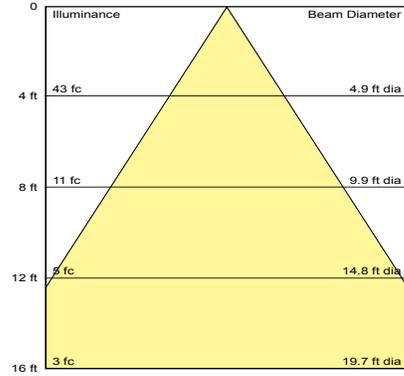
LVSS300 THRU LVSS1200 are 120VAC-11-15VAC magnetic stepdown xformers. They have 11, 12, 13, 14, 15VAC outputs. The 600W, 900W, & 1200W units have 2ea, 3ea, & 4ea 300W rated output circuits respectively. They are enclosed in a stainless steel NEMA raintight enclosure, with natural finish.

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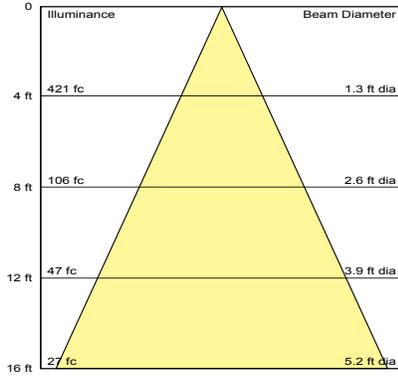
PERFORMANCE

ILLUMINANCE CONE DIAGRAMS

WMARFL23CWL 23W WMAR LED
Flood Optic Color Temperature: 5,900 K



WMARSP23CWL 23W WMAR LED
Spot Optic Color Temperature: 5,900 K



*Delivered lumens shown do not include light loss due to the fixture grill or lens.

Fixture	Color Temp	23W Lumen Output	
		FL	SP
WMAR	CW (5900K)	916	1023
	NW (4000K)	844	942
	WW (3000K)	809	903

WARNING: The driver assembly is wired and programmed specific to the unit configuration ordered. Any attempt to modify this unit will void the warranty.

2707 SATSUMA DR. | DALLAS, TX 75229 | PH: 800.225.0727 | Email: techlight@techlight.com | www.techlight.com



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