TECHLIGHT
INNOVATION IN ILLUMINATION

WLAR SERIES

Genesis Gen2 LV Large LED Burial Light

Catalog Number	
Project	Type

SERIES	HOUSING HEIGHT	DIAMETER
WLAR	17.4”	9.7””

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 low voltage 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 indepen- dently supported to allow for unobstructed airflow. A cast brass junction box is provided for incoming power.

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 corro- sion 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 composite guard 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 oper- ates at 9-16VAC or 9-24VDC input voltage. A 36 watt LED source provides approximately 1716 to 1831 (CW) Lumens of light. Provided with a 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 Tech- light. Proper drainage and substrate must be provided for water to flow freely through the well sleeve. A brass junction box is provided with an IP68 water-tight connector.

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:
WLAR FL 36 NW LV S29 BK C30

WLAR							
SERIES	DISTRIBUTION	WATTAGE	COLOR TEMP	VOLTAGE	GRILL	FINISH	CORD
	FL = Flood (72°) **SP** = Spot (20°)	**36** = 36W	**CW** = Cool White **NW** = Neutral White	**LV** = 9-16VAC 9-24VDC	**S29 = Aluminum Grill (Black)** **S30 = Brass Grill (Brass)**	**BK** = Black	**C30 = 30’ Cord** *(Standard)* **SP[2] = Custom Length**

ACCESSORIES (Order as separate line items)

BSP3-277-LC[1]	10kV Surge Protector
PK2	Concrete Pour Kit
TDB2AFD	WLAR Anti Floatation Device

NOTES

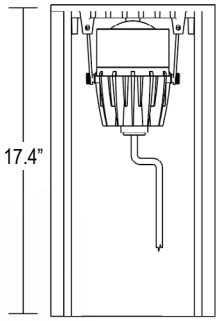
1 = A Techlight Surge Protector must be incorporated into the LED system at the beginning of each circuit as a minimum. Failure to do so will void the system warranty.
2 = Contact factory for custom length cords.
3 = A Techlight Surge Protector must be incorporated into the LED system at the beginning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

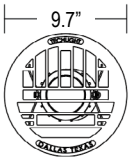
Buy American Act & the American Recovery and Reinvestment Act

www.techlight.com

AVAILABLE FIXTURE DIMENSIONS

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





ADDITIONAL FIXTURE ACCESSORIES

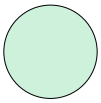
GL2CAPCVXFLDREFL
72° Flood OpticapSystem™
Field Installable Flood Optic

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

BSP3-277-LC[1]
10kV Surge Protector

TDB2AFD
WLAR Anti Floatation Device

LEDLFG120LENS
Green Glass Lens Filter (each)



PK3
Concrete Pour Kit

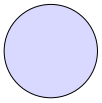
GL2CAPSPOPTREFL
20° Spot OpticapSystem*v*
Field Installable Spot Optic

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

TLHB800RCH
Digital Timer

PSJ183
18 Gauge Lead Wire (Color Coded)

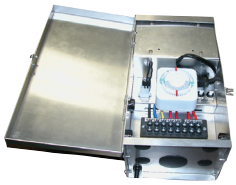
LEDLB120LENS
Blue Glass Lens Filter (each)



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.



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.

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.

All dimensions and specifications are subject to change without notice.

PERFORMANCE

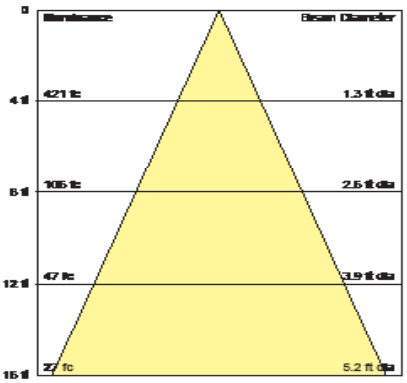
ILLUMINANCE CONE DIAGRAMS

WLARFL36CWLV
Flood Optic

36W WLAR LED
Color Temperature: 5,900 K

WLARFL36CWLV
Spot Optic

36W WLAR LED
Color Temperature: 5,900 K



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

Fixture	Color Temp	36W Lumen Output	
		FL	SP
WLAR	CW (5900K)	1831	1716
	NW (4000K)	1658	1554
	WW (3000K)	1617	1515

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

TECHLIGHT
INNOVATION IN ILLUMINATION
2009 Mckenzie Drive Suite 110 I Carrollton, TX 75006 I PH: 800.225.0727 www.techlight.com