



Catalog Number	
Project	Type

FEATURES & SPECIFICATIONS

APPLICATION — The Genesis Gen2 line of LED Landscape Burial Lights 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 applications.

CONSTRUCTION — The housing is made of compression molded fiber reinforced polyester composite. The color impregnated SR2 composite will not flake or peel. The LED light source is housed within a aluminum LED body with heat dissipating fins. An anti-siphon chamber is molded into the housing to keep internal electrical components from coming into contact with ground water. Multiple ring/guard assemblies are available for a customized finish.

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. Optics can be tilted +/- 15°. A variety of glass color filters are available to meet the designers specific color control needs. The composite guard rotates 360° for glare control.

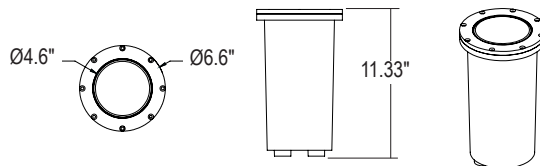
ELECTRICAL SYSTEM — **NOTE: A Techlight Surge Protector must be incorporated into the LED system at the beginning of each circuit as a minimum. Failure to do so will void the system warranty.** Fixture operates at 120V input voltage. Nominal open circuit current .08 amps. A 9 watt LED source provides approximately 565 (CW) Lumens of light. System is compatible with the use of a rotary TRIAC Dimmer.

MOUNTING — Fixtures are designed to be in-ground burial lights and should be installed according to the installation instructions made available by Techlight. Proper drainage and substrate must be provided for water to flow freely through the well sleeve. A 3/4" conduit entry is supplied into the anti-siphon chamber of the housing. Concrete pour kits available (see Accessories).

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



Genesis Gen2 120V Small LED Burial Light
TDB2W SERIES



Series	Housing Height	Diameter
TDB2W	11.33"	6.6"

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.

Series	Distribution	Wattage	Color Temp	Voltage	Ring/Guard	Lens
TDB2W	FL Flood (60°) SP Spot (20°)	9 9W	CW Cool White NW Neutral White WW Warm White	120 120V	CR Composite Ring SR Stainless Steel Ring CG Composite Guard	FL Flat Lens CL Convex Lens SL Slip Resistant Lens

Example: **TDB2W FL 9 NW 120 CR CL**

Accessories (Order as separate line items)

BSP3-277-LC¹	10kV Surge Protector
PK2	Concrete Pour Kit
TDB2AFD	TDB2W 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.

TDB2W Genesis Gen2 120V Small LED Burial Light

PERFORMANCE

Fixture	Color Temp	30W Lumen Output	
		FL	SP
TDB2W	CW (5900K)	546	639
	NW (4000K)	516	603
	WW (3000K)	478	558

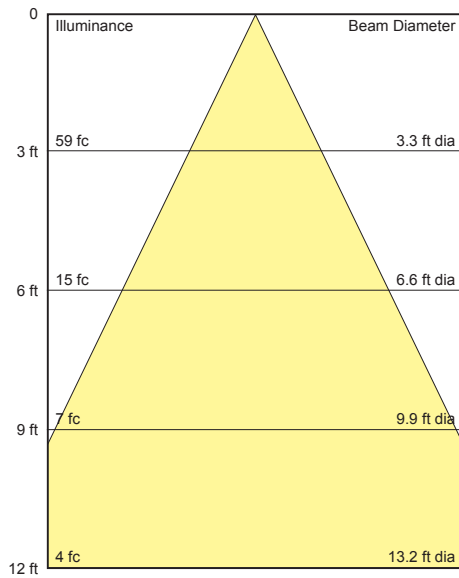
*Delivered lumens shown do not include light loss due to the fixture grill or lens.

ILLUMINANCE CONE DIAGRAM

TDB2WFL9CW120

Flood Optic

9W TDB2W LED
Color Temperature: 5,900 K

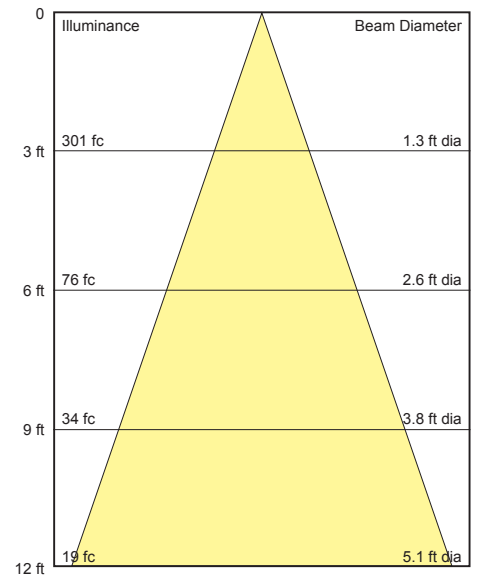


ILLUMINANCE CONE DIAGRAM

TDB2WSP9CW120

Spot Optic

9W TDB2W LED
Color Temperature: 5,900 K



FIXTURE TRIM OPTIONS

Composite Ring



Stainless Steel Ring



Composite Guard



Flat Lens



Convex Lens



Slip Resistant Lens



TDB2W Genesis Gen2 120V Small LED Burial Light

ADDITIONAL FIXTURE ACCESSORIES

PK2
Concrete Pour Kit



TDB2AFD
TDB2W Anti Floatation Device



BSP3-277-LC¹
10kV Surge Protector



PSJ183
18 Gauge Lead Wire (Color Coded)



GS2CAPSPOPTREFL
20° Spot OpticapSystem™
Field Installable Spot Optic



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

TLHB800RCH
Digital Timer



LEDLFG120LENS
Green Glass Lens Filter (each)



LEDLB120LENS
Blue Glass Lens Filter (each)



GS2CAPCVXFLDREFL
60° Flood OpticapSystem™
Field Installable Flood Optic



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

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

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.



Techlight, Inc.
2707 Satsuma Drive
Dallas, TX, 75229
Phone: 214-350-0591, 800-225-0727, Fax: 214-350-9137
www.techlight.com