



## 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.

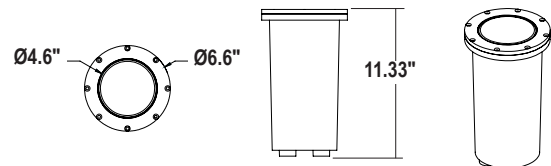
**ELECTRICAL SYSTEM** — **NOTE: A V.E. Lighting Surge Protector must be incorporated into the LED system at the beginning of each circuit as a minimum. Failure to do so will void the system warranty.** Fixture operates at 120V input voltage. Nominal open circuit current .08 amps. A 9 watt LED source 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 VTDB2W SERIES



| Series | Housing Height | Diameter |
|--------|----------------|----------|
| VTDB2W | 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.

| VTDB2W        |   |             |   |                 |   |   |
|---------------|---|-------------|---|-----------------|---|---|
| Series        | Distribution                                  | Wattage     | Color Temp  | Voltage         | Ring/Guard  | Lens  |
| <b>VTDB2W</b> | <b>FL</b> Flood (60°)<br><b>SP</b> Spot (20°) | <b>9</b> 9W | <b>CW</b> Cool White<br><b>NW</b> Neutral White<br><b>WW</b> Warm White | <b>120</b> 120V | <b>CR</b> Composite Ring<br><b>BR</b> Brass Ring<br><b>SR</b> Stainless Steel Ring<br><b>CG</b> Composite Guard | <b>FL</b> Flat Lens<br><b>CL</b> Convex Lens<br><b>SL</b> Slip Resistant Lens |

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

### Accessories (Order as separate line items)

|                                |                              |
|--------------------------------|------------------------------|
| <b>BSP3-277-LC<sup>1</sup></b> | 10kV Surge Protector         |
| <b>PK2</b>                     | Concrete Pour Kit            |
| <b>TDB2AFD</b>                 | 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.

# VTDB2W 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.

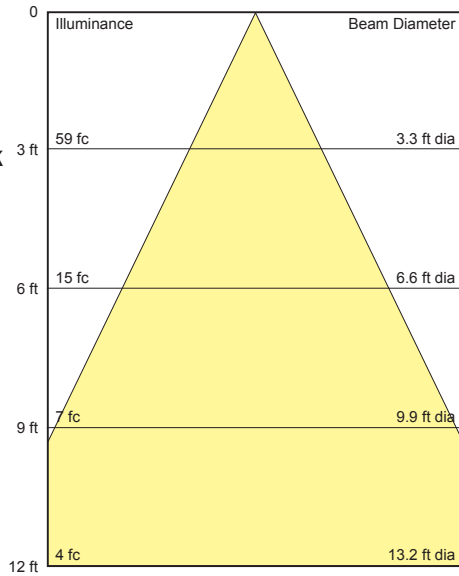
### ILLUMINANCE CONE DIAGRAM

#### VTDB2WFL9CW1

#### 20 Flood Optic

9W TDB2W LED

Color Temperature: 5,900 K



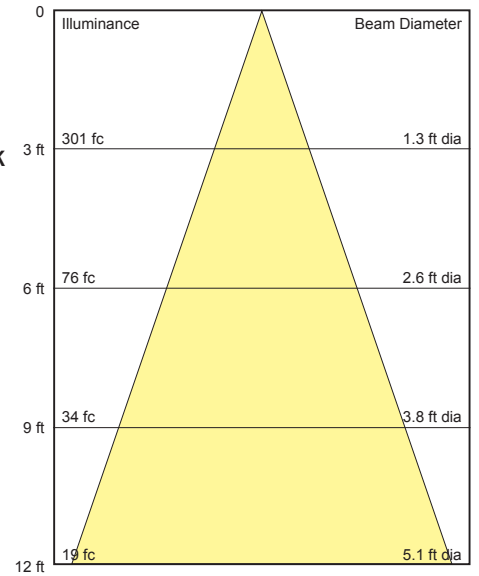
### ILLUMINANCE CONE DIAGRAM

#### VTDB2WSP9CW1

#### 20 Spot Optic

9W TDB2W LED

Color Temperature: 5,900 K



## FIXTURE TRIM OPTIONS

Composite Ring



Brass ring



Stainless Steel Ring



Composite Guard



Flat Lens



Convex Lens



Slip Resistant Lens



# VTDB2W Genesis Gen2 120V Small LED Burial Light

## ADDITIONAL FIXTURE ACCESSORIES

**PK2**  
Concrete Pour Kit



**TDB2AFD**  
TDB2W Anti Floatation Device



**BSP3-277-LC<sup>1</sup>**  
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

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