TECHLIGHT
INNOVATION IN ILLUMINATION

TDB3W SERIES

Genesis Gen2 LV Medium LED Burial Light

Catalog Number	
Project	Type

SERIES	HOUSING HEIGHT	DIAMETER
TDB3W	12.8”	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 housing is made of compression molded fiber reinforced polyester composite. The color impregnated SR2 composite will not flake or peal. 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. 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 9-16VAC or 9-24VDC input voltage. A 23 watt LED source provides approximately 1023 (CW) Lumens of light.

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 ¾” conduit entry is supplied into the anti-siphon chamber of the housing. Conrete 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.

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:
TDB3W FL 23 NW LV CR CL

TDB3W						
SERIES	DISTRIBUTION	WATTAGE	COLOR TEMP	VOLTAGE	RING/GUARD	LENS
	FL = Flood (60°) **SP** = Spot (20°)	**23** = 23W	**CW** = Cool White **NW** = Neutral White **WW** = Warm White	**LV** = 9-16VAC = 9-24VDC	**CR = Composite Ring** **BR = Brass Ring** **SR = Stainless Steel Ring** **CG = Composite Guard**	**FL = Flat Lens** **CL = Convex Lens** **SL = Slip Resistant Lens**

ACCESSORIES (Order as separate line items)

102552[1]	10kV Surge Protector
PK2	Concrete Pour Kit
TDB2AFD	TDB3W 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.

Buy American Act & the American Recovery and Reinvestment Act

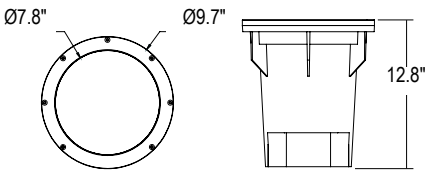
All dimensions and specifications are subject to change without notice.

REV: 20251209-03

TDB3W Genesis Gen2 LV Medium LED Burial Light

AVAILABLE FIXTURE DIMENSIONS

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



FIXTURE TRIM OPTIONS

Composite Ring

Brass ring

Stainless Steel Ring

Composite Guard

Flat Lens

Convex Lens

Slip Resistant Lens

ADDITIONAL FIXTURE ACCESSORIES

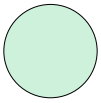
GL2CAPCVXFLDREFL
60° Flood OpticapSystem™
Field Installable Flood Optic

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

102552[1]
10kV Surge Protector

TDB2AFD
TDB3W Anti Floatation Device

LEDLFG120LENS
Green Glass Lens Filter (each)



PK3
Concrete Pour Kit

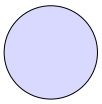
GL2CAPSPOPTREFL
20° Spot OpticapSystem™
Field Installable Spot Optic

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

TLHB800RCH
Digital Timer

PSJ183
18 Gauge Lead Wire (Color Coded)

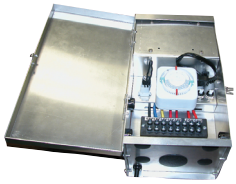
LEDLB120LENS
Blue Glass Lens Filter (each)



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.

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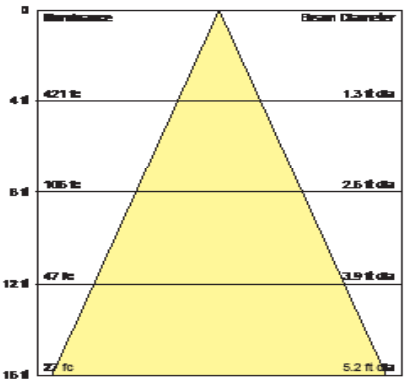
PERFORMANCE

ILLUMINANCE CONE DIAGRAMS

TDB3WFL23CWLV 23W TDB3W LED
Flood Optic Color Temperature: 5,900 K

TDB3WFL23CWLV 23W TDB3W LED
Spot Optic 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
TDB3W	CW (5900K)	916	1023
	NW (4000K)	844	942
	WW (3000K)	809	903

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
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