TECHLIGHT
INNOVATION IN ILLUMINATION

TDB3W LUVM SERIES

Medium Burial Light w/120V - R40 LED Retrofit Module

Catalog Number	
Project	Type

SERIES	HOUSING HEIGHT	DIAMETER
TDB3W	12.8”	9.7””

FEATURES & SPECIFICATIONS

APPLICATION —The TDB3W-LUVM Series of LED Landscape Burial Lights, featuring our innovative LUVM retrofit module, is set to elevate your commercial landscape projects with a unique and captivating lighting solution. With a range of wattages and customizable trim plus lens options, these fixtures can be tailored to enhance the aesthetic of any property. Designed for high-performance and durability, this premium commercial-grade system operates efficiently within a 120-277V range, ensuring reliable illumination for all your outdoor spaces.

CONSTRUCTION — The housing is made of compression molded fiber reinforced polyester composite. The color impregnated SR2 composite will not flake or peal. The LUVM Module consists of a sealed IP68 rated LED Module with IP68 rated wireway gland. Die cast heat sink designed to accommodate up to 50W of LED heat. Tempered glass lens bonded using Dow Corning mil-spec RTV silicone adhesive sealant. The LUVM driver is isolated from the LED heat and is IP66 rated for ingress against water/dust. Multiple ring/guard assemblies are available for a customized finish.

OPTICAL SYSTEM — A high-impact tempered glass lens is sealed to the housing using silicone gasket for a watertight seal. 3 separate CCT options are available to meet the designers specific color control needs. The composite guard rotates 360° for glare control. Convex and walk over lenses are both available. Using 195 2835 LED’s to provide high lumens per watt power consumption > 124 lm/W with GR filter lens and between 167-178 lm/W for 65K or CMVS options depending on fixture output. The CMVS option is also optimized to produce a spectral distribution that matches that of R40 clear mercury vapor lamps. L70 > 100,000 hrs @ 25°C. Module tilts up to 20°and rotates 360°.

ELECTRICAL SYSTEM — The LUVM module includes NTC foldback circuit which monitors LED temperature on MCPCB. This will reduce driver output current in the event of high LED thermals caused by ambient temperatures above 40.0 °C or in the event of debris accumulation on fixture lens. A 10Kv surge protection device is included within module. Provided with a 30’ 18/5 STW cord (custom lengths available upon request). Dimming 0-10V, VIO & GRY leads included.

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. Concrete pour kits available (see Accessories).

LISTINGS — Burial housing body is ETL listed for wet locations (IP67). Meets US and Canadian safety standards. -40°C to 40°C ambient operation. LUVM Retrofit Module complies with UL8750. Meets US and Canadian safety standards. -40°C to 50°C ambient operation. RoHS compliant. IP66 rated.

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 LUVM 25W GR 1 SR CL C30

TDB3W							
SERIES	MODULE	WATTAGE	COLOR TEMP (CCT)	VOLTAGE	RING/GUARD	LENS	CORD
	LUVM = Retofit Module	**18W** = 18 Watt **22W** = 22 Watt **25W** = 25 Watt	**GR** = Green **CMVS** = Clear Mercury Vapor Spectral Distribution **65K** = Clear White	**1** = Multi-Volt[1]	**CR** = Composite Ring **SR** = Stainless Steel Ring **CG** = Composite Guard	**FL** = Flat Lens **CL** = Convex Lens **SL** = Slip Resistant Lens	**C30** = 30’ Cord (*Standard*) **SP** = Custom Length[2]

ACCESSORIES (Order as separate line items)

PK3	Concrete Pour Kit
TDB3AFD	TDB3W Anti Floatation Device

TDB3AFD
TDB3W Anti Floatation Device

PK3
Concrete Pour Kit

NOTES

1 = Multi-Volt is an auto ranging power supply from 120V to 277V.
2 = Contact factory for custom length cords.

FIXTURE TRIM OPTIONS

Composite Ring

Stainless Steel Ring

Composite Guard

Flat Lens

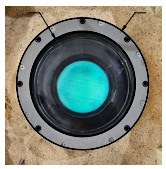
Convex Lens

Slip Resistant Lens

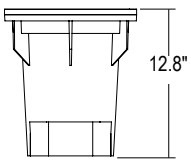
AVAILABLE FIXTURE DIMENSIONS

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

Ø7.8" Ø9.7"



Picture above of TDB3W LUVM 25W GR 1 SR CL



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

Fixture	Wattage	Lumens		
		GR	CMVS	65K
TDB3W-LUVM	18W	2298	3183	3342
	22W	2808	3900	4084
	25W	3192	4340	4642