

# TriProof LED Series

## Family Overview

BDS TriProof LED Series is a family of sleek waterproof and durable LED fixtures ideal for retrofit and new construction projects. Suitable for both indoor and outdoor installations where extra protection from heat, gases, corrosion and water is required.

### General

Fixture housing is a rigid PC or PMMA round pipe extrusion with waterproof stainless steel endcaps. All mounting hardware is stainless steel. Standard fixture sizes include 2', 4', 5' and supplied with two universal tension locking clips allowing easy surface or suspended installation. Mercury and lead free, RoHS compliant. Luminaires carry a standard five (5) years warranty. NVLAP® lab tested, DLC and Lighting Facts listed, cULus certified.

### Electrical

Lighting diodes are placed along aluminum extrusion PCB/heatsink securely fitted inside the main extruded housing. Calculated lifespan of 70,000+ hours with >70% lumen maintenance (L70).

Lighting output sourced from high power (130lm/W or 160lm/W) and long life SMD2835 LED chips that produce high CRI90+ (CRI95+ optional) light for supreme color rendering. Light color temperature is offered in standard 3000K, 4000K, 5000K and 6500K or custom CCT.

System is powered by universal high performance driver 100–277V with power factor (PF) >95% and Total Harmonic Distortion (THD) <15% at full load. Motion sensor, dimmable and programmable (0-10V dimming, DALI) options are available. Contact plant for other options and customizations.

### Optics and Finish

Diffused optics (clear optics optional) provide even surface light distribution to ensure no-glare, no flickering soft light with very wide angle coverage. All components feature highest IP69K enclosure rating, perfect for outdoor and harsh environments. Luminaire construction ensures high impact resistance rated IK10 and is suitable for operation in -20°C to +50°C ambient environments.



CRI90 CRI95 LM79 LM80 TM21 IP69K IK10



### Specs

Model No.	TP2	TP4	TP5
Fixture Name	BDS TriProof LED – 2ft long	BDS TriProof LED – 4ft long	BDS TriProof LED – 5ft long
Fixture Diameter (A)	2.8" (70mm)	2.8" (70mm)	2.8" (70mm)
Fixture Length (B)	2ft (600mm)	4ft (1200mm)	5ft (1500mm)
Full Consumption	20W	36W	48W
Input Voltage	100-277VAC 50/60Hz	100-277VAC 50/60Hz	100-277VAC 50/60Hz
Output - Standard (Clear  Frosted)	130lm/W   120lm/W	130lm/W   120lm/W	130lm/W   120lm/W
Total Flux - Standard (4000K, Ra80)*	2600 lm   2400 lm	4680 lm   4320 lm	6240 lm   5760 lm
Output - Premium (Clear  Frosted)	160lm/W   150lm/W	160lm/W   150lm/W	160lm/W   150lm/W
Total Flux - Premium (4000K, Ra80)*	3200 lm   3000 lm	5760 lm   5400 lm	7680 lm   7200 lm
Dimming	0-10V, DALI	0-10V, DALI	0-10V, DALI
Net Weight	4.4lb (2.0kg)	7.9lb (3.6kg)	9.9lb (4.5kg)

### Ordering Information

sample order: BDS-TP4-36W-F-P4000K-CRI90-DIM-SMOUNT-MS

BDS						
MODEL	WATTAGE	OPTICS	LIGHT COLOR	CRI	DIMMING	ACCESSORIES
TP2 (2ft long)	20W	C or blank (clear optics)	3000K	CRI80*	blank (no dimming)	SMOUNT or blank (surface mounting)
TP4 (4ft long)	36W		4000K	CRI90	DIM (0-10V)	WIRE (suspended)
TP5 (5ft long)	48W	F (frosted)	5000K	CRI95*	DALI (DALI protocol)	specify wire length
TPx (custom)*	xxW (custom)*	no glare	6500K xxxxK (custom)* add "P" for premium 160lm/W		CUSTOM (custom)*	MS (motion sensor)

\* Custom options. Contact plant for details



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