

TITAN Series

LED Explosion Proof Lighting

TITAN™ lightweight, high-performance LED explosion-proof lighting is specifically engineered for installation in environments where flammable gases, vapors, or dust are present in quantities that pose a potential risk of explosion or fire.

Compliance

NEC/CEC Standard

UL 844 Hazardous Locations

- Class I Division 1, Groups C, D
- Class I Division 2, Groups A, B, C, D
- Class II Division 1, Groups E, F, G
- Class II Division 2, Groups F, G
- Class III
- Class I, Zone 1, Group IIB
- Class I, Zone 2, Group IIC

CSA C22.2 No.137

CSA C22.2 No. 250.0:21

UL 1598 Wet Locations

UL 1598A Marine Outside Type (Salt Water)

UL 8750 LED Safety

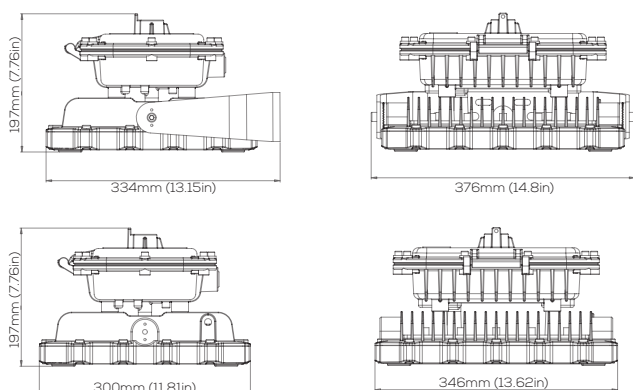
Paint Spray Booth

ABS, FCC

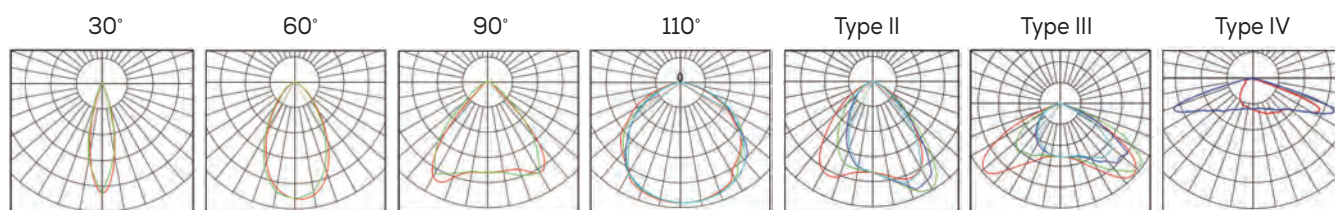
IP66/67 | IK09 | 5G | NEMA 4X

Dimensions

unit: mm(in)



Beam Distribution



Technical Data

Electrical

Rated Power	80W / 100W / 150W / 200W
Input Voltage	100-277, 347-480V/AC
Input Frequency	50/60Hz
Power Factor	> 0.95
Driver Efficiency	≥ 90%
DC output Ripple & Noise	<200mVP-P

Optical

Lumen Output	12800lm ~ 32000lm
Luminous Efficacy (Lumens per Watt)	160 ~ 170 lm/W
Beam Angle	30° / 60° / 90° / 110° / T2 / T3 / T4
Correlated Color Temperature (CCT)	Amber 2700K 3000K 4000K 5000K
CRI	Ra>70

Environmental

Ambient Operating Temperature	-40°C~+65°C (80W 100W 150W) -40°C~+60°C (200W)
Ambient Operating Humidity	10%~90% RH
Atmospheric pressure	86~106KPa

Technical

Lens Material	Tempered glass
Mounting Options	Pendant / Ceiling / Wall mount / Stanchion / U-Bracket
Cable Entries	3/4" NPT, 1-1/4" NPT, 1-1/2" NPT
Net Weight	11.5kg (25.35 lbs)

Warranty

5-year limited system warranty

Lumen Maintenance: L70 > 150,000 hours @ 25°C

Ordering Information and Mounting Accessories

TITAN	24	U	1	30	NW	TG	PD	GR	XX
Model TITAN		Voltage U -100-277V/AC N -347-480V/AC			Color Temp WW - 2700K (Warm white) SW - 3000K (Soft white) NW - 4000K (Neutral white) CW - 5000K (Cool white) AM - Amber AJC - Adjustable CCT (3000K/4000K/5000K)		Mount Style PD - Pendant mount (3/4" NPT) TB1 - Trunnion bracket (3/4" NPT) W90 - Wall mount 90° W25 - Wall mount 25° S90A - Stanchion-90° (1-1/4" NPT) S90B - Stanchion-90° (1-1/2" NPT) S25A - Stanchion-25° (1-1/4" NPT) S25B - Stanchion-25° (1-1/2" NPT) CJB - Ceiling Junction Box		Accessories WGS1 - Wire guard SC1 - Safety cable VS1 - Dark sky visor SP10U - 10KV surge protector (100-277V) *Standard SP10N - 10KV surge protector (347-480V) *Standard SP20U - 20KV surge protector (100-277V) SP20N - 20KV surge protector (347-480V) PBC48 - Pipe Clamp (M8*48mm) for pole Ø 1-7/8" (48mm) PBC60 - Pipe Clamp (M8*60mm) for pole Ø 2-3/8" (60mm) CAB - 3' SEOW-18/3 Cord CGL - Cable Gland 3/4" NPT PS - Pole Stanchion 2-3/8" (60mm)
Power 13 - 12,800 lm (80W) 16 - 16,000 lm (100W) 24 - 24,000 lm (150W) 32 - 32,000 lm (200W)		Ex. Level 1 - C1D1, C2D1 2 - C1D2, C2D1				Lens TG - Clear glass FG - Frosted glass		Color GR - Gray	
		Optics 30 - 30° 60 - 60° 90 - 90° 110 - 110° T2 - T2 T3 - T3 T4 - T4							

Mounting Options



PD (Standard)
Pendant Mount
3/4" NPT



TB1
Trunnion Bracket
3/4" NPT



W90
Wall mount 90°
3/4" NPT



W25
Wall mount 25°
3/4" NPT



S90A
Stanchion mount 90°,
1-1/4"NPT



S25A
Stanchion mount 25°,
1-1/4"NPT



CJB
Junction Box
3/4"NPT

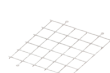
S90B
Stanchion mount 90°,
1-1/2"NPT

S25B
Stanchion mount 25°,
1-1/2"NPT

Accessories



TB1
Trunnion Bracket
3/4" NPT



WGS1
Stainless steel
wire guard



SC1
Stainless steel
safety cable
Ø8 (4mm)



VS1
Stainless steel
dark sky visor



PBC48
Pipe Clamp (M8*48mm)
for pole Ø 1-7/8"



PBC60
Pipe Clamp (M8*60mm)
for pole Ø 2-3/8"



CAB
3' SEOW-18/3 Cord
(Factory installed)
Applicable to C1D2



CGL
Cable Gland
3/4" NPT
Suitable for C1D2



10KV Surge Protector
*Standard
SP10U
10KV (100-277V)
SP10N
10KV (347-480V)



20KV Surge Protector
SP20U
20KV (100-277V)
SP20N
20KV (347-480V)



PS
Pole Stanchion
2-3/8" (60mm)