



TITAN Series

LED Explosion Proof Lighting

The **TITAN** series floodlight offers an extensive range of hazardous certifications. Featuring an adjustable U-shaped bracket, it is designed to resist vibration and corrosion. Equipped with high-efficiency LEDs delivering 160 lm/W and lumen outputs ranging from 48,000 to 64,000, it provides reliable solutions for various challenging and hazardous environments.

Compliance

NEC/CEC Standard

UL 844 Hazardous Locations

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

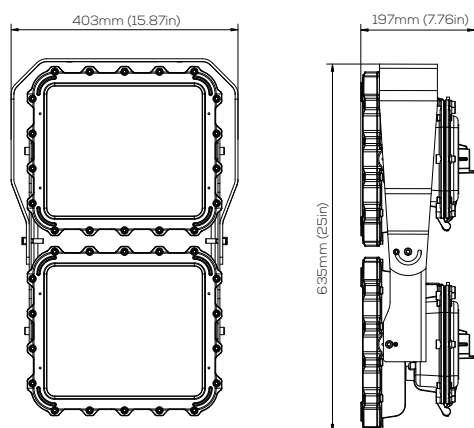
ABS

FCC

IP66/67 | IK09 | NEMA 4X

Dimensions

unit: mm(in)



Technical Data

Electrical

Rated Power	300W / 400W
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	48,000lm ~ 64,000lm
Luminous Efficacy (Lumens per Watt)	160 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~+60°C
Ambient Operating Humidity	10%~90% RH
Atmospheric Pressure	86~106KPa

Technical

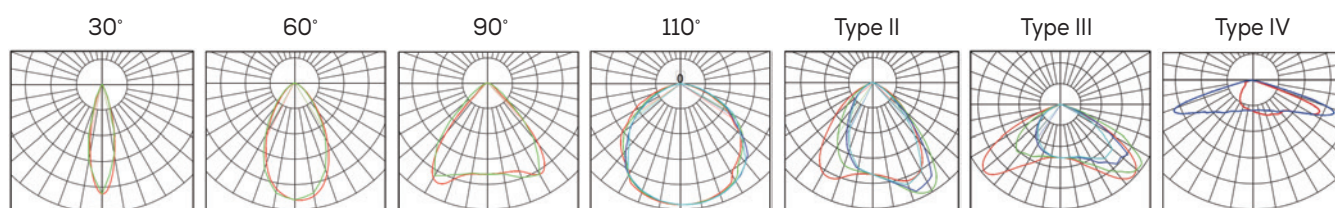
Lens Material	Tempered glass
Mounting Options	Angled bracket / Straight bracket
Cable Entries	3/4" NPT, 1-1/4" NPT, 1-1/2" NPT
Net Weight	25.2kg (55.56 lbs)

Warranty

5-year limited system warranty

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

Beam Distribution



Ordering Information and Mounting Accessories

TITAN	48	U	2	110	NW	TG	TB5	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 TB5 - Trunnion bracket Angled (3/4" NPT) TB6 - Trunnion bracket Straight (3/4" NPT)		Accessories WGS1 - Wire guard SC1 - Safety cable VS4 - 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) PBC60 - Pipe Clamp (M8*60mm) for pole Ø 2-3/8" (60mm) CAB - 3' SEOWW-18/3 Cord CGL - Cable Gland 3/4" NPT PS - Pole Stanchion 2" (60mm)
Power 48 - 48,000 lm (300W) 64 - 64,000 lm (400W)		Ex. Level 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



TB5
Trunnion Bracket
(Angled)



TB6
Trunnion Bracket
(Straight)

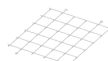
Accessories



TB5
Trunnion Bracket
(Angled)



TB6
Trunnion Bracket
(Straight)



WGS1
Stainless steel
wire guard



SC1
Stainless steel
safety cable
Ø 8 (4mm)



VS4
Stainless steel
dark sky visor



CAB
3' SEOWW-18/3 Cord
(Factory installed)



CGL
Cable Gland
3/4" NPT
Suitable for C1D2



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



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



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

