

TITAN

LED Explosion Proof Light

North American Classification

Class : 1	Gases
Division : 2	

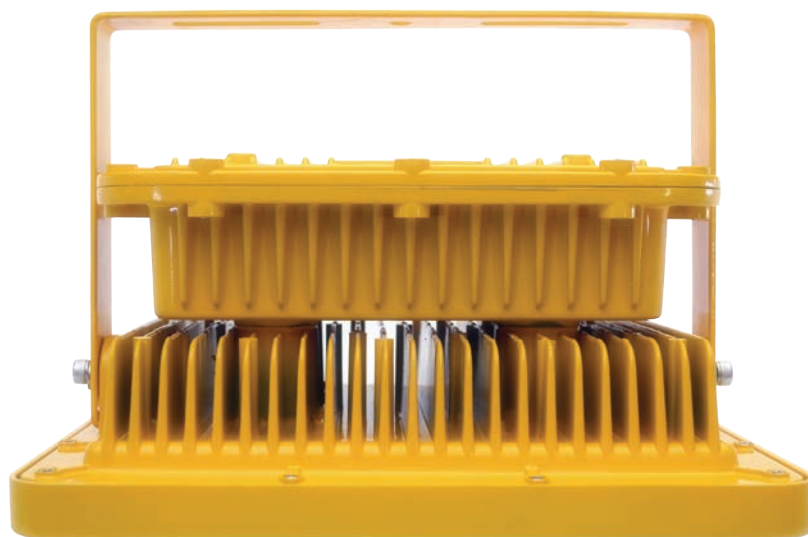
EU Classification

Zone : II, III	Gases / Vapors
----------------	----------------

Ex mark : Ex d IIB T5; Ex t III C



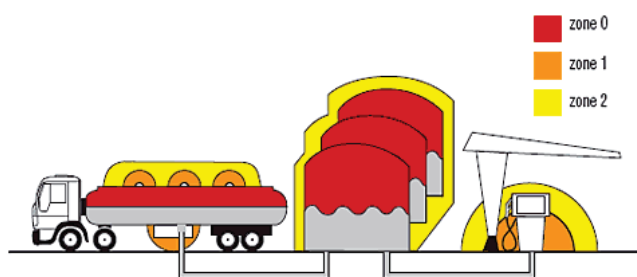
NIXON provides a five year manufacturer's guarantee on all Nixon branded products.



- The Titan Series LED Luminaire are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambient can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC and IEC.

Titan Series are ideal for retrofit of existing HPS/MH and offer higher efficacy for increased energy savings, lower maintenance costs and shorter paybacks.

(ATEX) ZONE DIAGRAM :



Heat Generation



HID/Sodium : 100 C
LED : 35 C

Light Source Life



HID/Sodium : 15.000 Hrs
LED : 50.000 Hrs

Mercury Safety



HID/Sodium : Contains
LED : -

Equal With



HID : 250 W
Sodium : 400 W

ATEX APPROVED



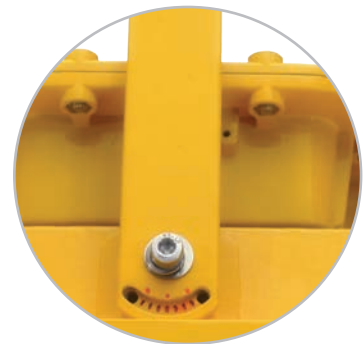
Applied to oil fields, oil refineries, offshore oil platform, power plants, gas stations, oil tanks, wharf, tunnel, pumping station, substation, the military base etc. Zone I and Zone II Hazardous Locations, Zone 20, Zone 21, Zone 22 and II A, II B, II C explosive gas atmosphere.



High Quality Lens

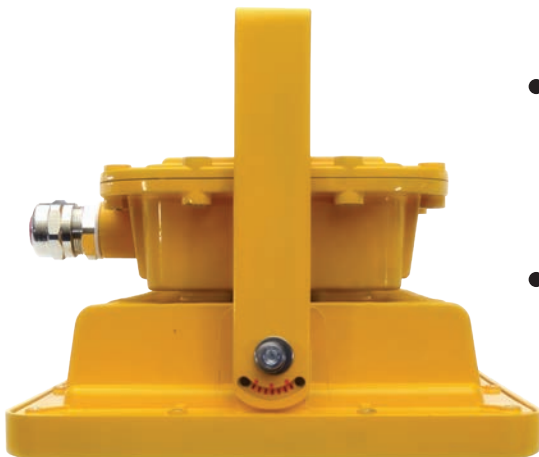


Fit for 1/2 NPT Glands



Applied with Hanging Bracket

● Heavy-duty Anodized Die Casting Aluminum

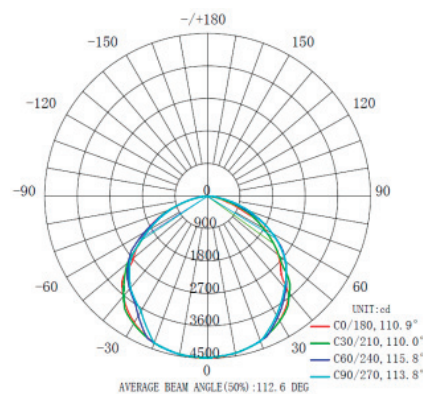


- Low power consumption while high light efficiency, power consumption just 20% as much as high pressure sodium lamp, mercury lamp at the same luminous condition, it saves energy more than 75% than that traditional light.

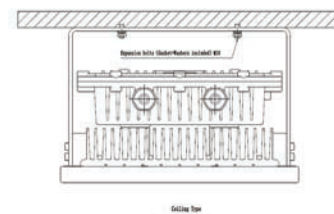
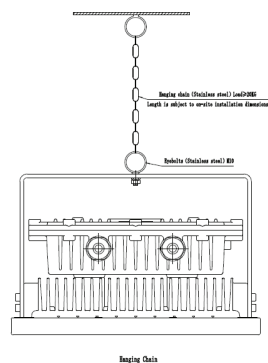
- Die casting aluminum housing, with anti-static and anti-corrosion coating, high explosion-proof degree of flameproof type; dust-proof, waterproof; corrosion resistance, high light transmission.

- Advanced quadratic light distribution design result in high uniformity of illumination and good lighting quality, clear lighting effect without a double image.

- Shell protection, Over-voltage and Over-heat protection



The diagram illustrates a fixed type universal lathe bed. It shows the bed casting with a swivel table mounted on it. A label 'The angle mark' points to a circular scale on the table's base. Another label 'Angle P=50° Adjustable' points to the angle between the table and the bed. A third label 'Extension belts (under-belts included)' points to the mechanism that allows the table to extend along the bed's length. The entire assembly is shown resting on a hatched base representing the floor.

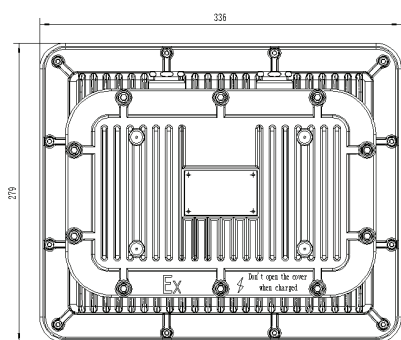


WE DEFINE	WE DESIGN	WE PRESENT
-----------	-----------	------------



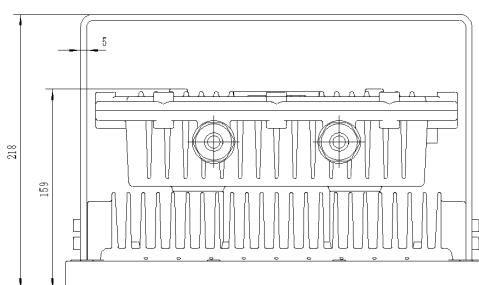
Drawings

i Go to nixonled.com for IES specific data and technical drawings.



Vertical view

Measuring Unit : mm



Front view

Measuring Unit : mm



NIX-EX-N1 80W



NIX-EX-N1 100W



NIX-EX-N1 120W



NIX-EX-N1 150W

	80W	100W	120W	150W
Power Consumption	80W	100W	120W	150W
Input Voltage	220V AC (applied for 90-305V)			
Frequency	50/60 Hz (applied for 47-63 Hz)			
Beam Angle	60°/115°			
Explosion-proof Grade	Ex dIIB T5 Gb/Ext IIIC T95 °C Db			
Corrosion-proof Grade	WF2			
IP Grade	IP67			
Power Factor	>0.95			
Total Harmonic Current	<15%			
Lamp Efficiency(%)	≥90%			
Color Temperature(K)	Warm white:2700-4000K; Pure white: 5000-6500K			
Junction Temperature(Tj)	<65°C			
Color Rendering Index (CRI)	Ra > 70			
Light Effect	130 lm/W			
Ambient Environment	Temperature: -20°C—40°C; Humidity: 20-95%RH (25°C)			
Storage Temperature	-40°C-60°C			
Lifespan	>50000 Hours			
Material	Aluminum Alloy			
Installation Height	6~15m			
Dimensions / Pkg. Size(mm)	336 × 279 × 159 mm			
Net Weight / packed Weight	12.2 kg			