POLARIS LIGHT

PS-ATEX-FLOOD

ATEX and IECEx certified LED floodlight for hazardous areas

ZONES 1, 2, 21 AND 22



PRODUCT DESCRIPTION

PS-ATEX-FLOOD is a flameproof LED floodlight for outdoor and indoor hazardous areas: tank farms, loading gantries, process plants and offshore-type structures. A heavy-duty die-cast housing with tempered glass, IP66 and IK10 ratings and a corrosion-resistant WF2 finish keeps it working in the harshest conditions.

- ATEX and IECEx certified: Ex db IIB T4 Gb / Ex tb IIIC T130°C Db
- 100 W or 200 W, 160 to 170 lm/W
- IP66 and IK10, 6 kV surge protection
- PMMA lens with tempered glass cover
- WF2 anti-corrosion finish
- Adjustable mounting bracket

ATEX
and IECEx

IP66
Weatherproof

IK10
Impact rated

5 Years
Warranty

APPLICATION: PROCESS PLANTS AND TANK FARMS

Built for explosive atmospheres

Floodlighting for refineries, chemical plants, fuel terminals, gas compressor stations and loading bays where flammable gas or dust can be present. Certified explosion protection, high efficacy and a long service life cut both risk and maintenance visits.

Certified protection

ATEX, IECEx and UKEX certified: flameproof (Ex db) and dust-protected (Ex tb) for Zones 1, 2, 21 and 22.

High efficacy

160 to 170 lm/W. The 200 W model delivers 32,000 lumens with a Type II road-style optic.

Heavy duty

ADC12 die-cast aluminium, PMMA lens and tempered glass. IK10 impact and IP66 water and dust protection.

Corrosion resistant

WF2 rated AkzoNobel anti-corrosion coating for chemical and coastal sites.

6 kV surge protection

6 kV differential and common mode protection for exposed outdoor installations and long cable runs.

Optics choice

25, 55, 90 and 120° beams plus Type II, III and IV road-style optics; adjustable bracket.

CERTIFICATION

ATEX, IECEx and UKEX certified. Certificates on request.

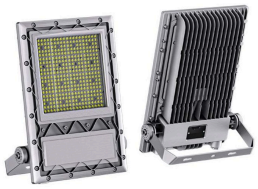
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PS-ATEX-FLOOD Technical data

ATEX and IECEx certified LED floodlight for hazardous areas

SPECIFICATION

Input voltage	100 to 277 V AC, 50/60 Hz
Power	100 W / 200 W
Luminous flux	17,000 lm (100 W), 32,000 lm (200 W)
Efficacy	160 to 170 lm/W
Driver	Sosen (Meanwell version available)
Colour temperature	5000K
CRI	Ra >70
Optic	Type II (other beams available)
ATEX marking	II 2 G Ex db IIB T4 Gb II 2 D Ex tb IIIC T130°C Db
IECEx marking	Ex db IIB T4 Gb / Ex tb IIIC T130°C Db
Hazardous zones	Gas: Zone 1, Zone 2. Dust: Zone 21, Zone 22
IP / IK rating	IP66 / IK10
Surge protection	6 kV DM / 6 kV CM
Operating temperature	-30°C to +50°C
Lifetime	L70B10 108,000 h
Housing	ADC12 aluminium, WF2 anti-corrosion
Cable gland	Single compression, non-armoured; cable 3 x 2.5 mm², 0.8 m
Dimensions	486 x 349 x 70 mm (all wattages)
Weight	9.70 kg
Warranty	5 years



Front and rear



Finned die-cast heat sink



Pole mounting



Adjustable bracket

TECHNICAL SPECIFICATIONS

Product	Power	Lumen output	Efficacy	CCT	Optic	Dimensions / weight
PS-ATEX-FLOOD 100	100 W	17,000 lm	170 lm/W	5000K	Type II	486 x 349 x 70 mm, 9.70 kg
PS-ATEX-FLOOD 200 LARGEST STOCKED	**200 W**	**32,000 lm**	**160 lm/W**	**5000K**	**Type II**	**486 x 349 x 70 mm, 9.70 kg**

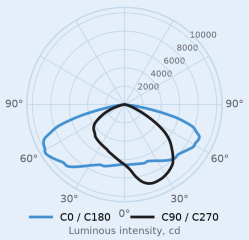
OPTIONS AND ACCESSORIES

- Adjustable mounting bracket
- Pole mounting
- 25, 55, 90, 120°, Type III and IV optics

IDEAL FOR

- Tank farms and fuel terminals
- Loading gantries and jetties
- Chemical and process plants
- Gas compressor and pumping stations

LIGHT DISTRIBUTION



200 W, Type II optic

5 YEARS
WARRANTY

Every Polaris Light fitting carries a 5-year warranty. Ask us for a hazardous area lighting design and a compliant replacement plan.

