

EX FLOODLIGHT RFID - 20-48V

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

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LIGHTING

ATEX FLOODLIGHTS

ZONES 1, 2 (gas) & 21, 22 (dust)



Ex Floodlight RFID is an explosion-proof LED lighting solution designed for use in environments with explosive gas and dust atmospheres, offering a high level of protection. This innovative product introduces, for the first time in the market, an RFID tag integrated within the housing, storing all the product's data. This groundbreaking feature simplifies maintenance and inspection.

In addition to the RFID technology, the housing is equipped with Gorilla Glass, only 3-4mm thick, making the product lighter and more impact-resistant compared to similar products.

During the development of Ex Floodlight RFID, the primary focus was on delivering high lumen output to provide maximum lighting coverage for large areas.

This explosion-proof product comes with outstanding features, fully compliant with the highest safety standards (CENELEC norm HD63751). With a luminous flux of up to 20,000 lumens and a high level of protection, it ensures top-tier performance.

Unlike other lamps that simply retrofit LED technology into armored housings, Ex Floodlight RFID is a specially designed LED light source, featuring an extremely and reliable enclosure that also acts as a heat sink for efficient LED cooling. The integrated RFID system offers a smart technology solution, setting this product apart as a state-of-the-art innovation.



EU-Type Examination Certificate

ITEM REFERENCES 60W

Designation:	Light distribution:	Nominal voltage:	Operating voltage:	Luminous flux:	Luminary efficacy:	Item No.:
Ex FloodLight 24V 60W 60° IIC	60°	24 VAC	20 - 28 VAC	~ 7500 lm	~ 125 lm/W at 5000 K	1B1606A
Ex FloodLight 24V 60W 90° IIC	90°					1B1606B
Ex FloodLight 24V 60W 120° IIC	120°					1B1606C
Ex FloodLight 24V 60W T2M IIC	T2M					1B1606D
Ex FloodLight 24V 60W T3M IIC	T3M					1B1606E

ITEM REFERENCES 100W

Designation:	Light distribution:	Nominal voltage:	Operating voltage:	Luminous flux:	Luminary efficacy:	Item No.:
Ex FloodLight 24V 80W 60° IIC	60°	42 VAC	36 - 48 VAC	~ 13500 lm	~ 135 lm/W at 5000 K	1B1607A
Ex FloodLight 24V 80W 90° IIC	90°					1B1607B
Ex FloodLight 24V 80W 120° IIC	120°					1B1607C

LIGHT DISTRIBUTION



Ex FLOODLIGHT 60°	Ex FLOODLIGHT 90°	Ex FLOODLIGHT 120°	Ex FLOODLIGHT T2M	Ex FLOODLIGHT T3M

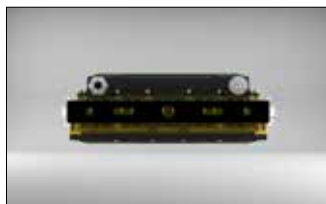
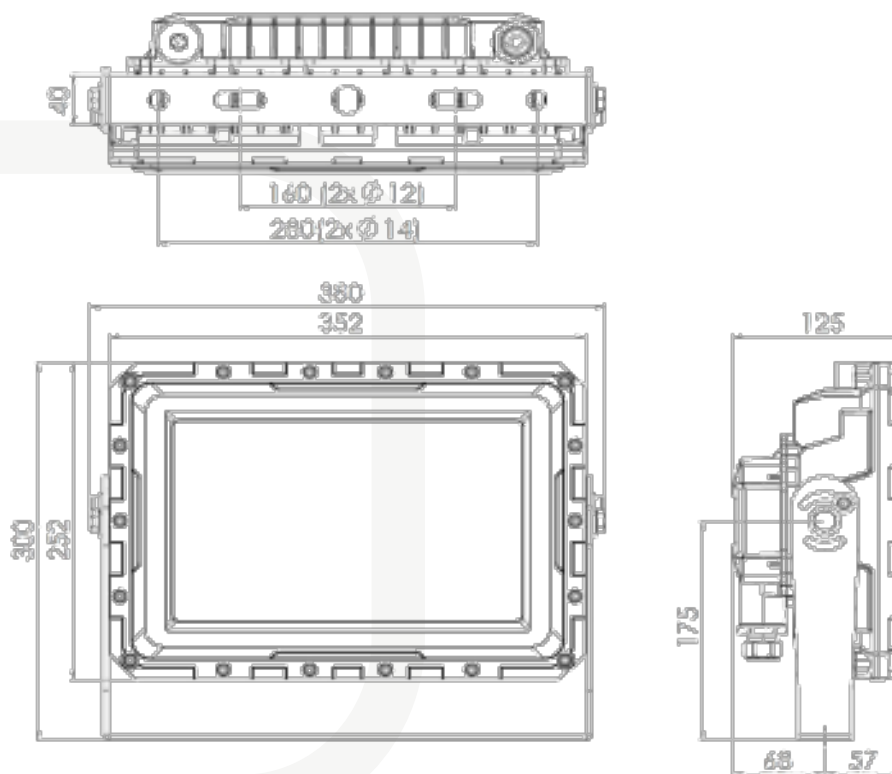
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

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TECHNICAL SPECIFICATIONS

Marking:	 II 2G Ex db op is IIC T6 Gb  II 2D Ex tb op is IIIC T85°C Db
Certificate:	EU-Type Examination Certificate
Housing:	Die cast aluminium, powder coated, tempered glass 10mm
Gasket:	Silicone gasket
LED:	~ 5000 K (other light colors are optional) CRI: >80
Ingress protection:	IP66 IK08
Connection terminal:	L,N,PE max 3x2,5 mm ² , external PE Terminal M5/4mm ²
Weight:	11,1 kg
Dimensions:	380 x 300 x 100 mm
Cable entries:	2xM20x1,5 (Cable glands / plugs non included)



ACCESSORIES

Sketch:	Description:	Sketch:	Description:	Sketch:	Description:
	Ex Gland M20 ø6,5-11,9mm or ø10-14,3mm		Antistatic Protective Peel Off Foil		Ex Plug M20