

EX FLOODLIGHT RFID - 110-220V

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:	Power factor:	Luminous flux:	Temperature class:	Item No.:
Ex FloodLight 230V 60W 60° IIC	60°	>0,87	~ 8600 lm	T6, T80°C / Ta:-20°C to +50°C	1B1601A
Ex FloodLight 230V 60W 90° IIC	90°				1B1601B
Ex FloodLight 230V 60W 120° IIC	120°				1B1601C
Ex FloodLight 230V 60W T2M IIC	T2M				1B1601D
Ex FloodLight 230V 60W T3M IIC	T3M				1B1601E

ITEM REFERENCES 80W

Designation:	Light distribution:	Power factor:	Luminous flux:	Temperature class:	Item No.:
Ex FloodLight 230V 80W 60° IIC	60°	>0,92	~ 11500 lm	T6, T80°C / Ta:-20°C to +50°C	1B1602A
Ex FloodLight 230V 80W 90° IIC	90°				1B1602B
Ex FloodLight 230V 80W 120° IIC	120°				1B1602C
Ex FloodLight 230V 80W T2M IIC	T2M				1B1602D
Ex FloodLight 230V 80W T3M IIC	T3M				1B1602E

ITEM REFERENCES 100W

Designation:	Light distribution:	Power factor:	Luminous flux:	Temperature class:	Item No.:
Ex FloodLight 230V 100W 60° IIC	60°	>0,92	~ 14300 lm	T6, T80°C / Ta:-20°C to +50°C	1B1603A
Ex FloodLight 230V 100W 90° IIC	90°				1B1603B
Ex FloodLight 230V 100W 120° IIC	120°				1B1603C

ITEM REFERENCES 120W

Designation:	Light distribution:	Power factor:	Luminous flux:	Temperature class:	Item No.:
Ex FloodLight 230V 120W 60° IIC	60°	>0,95	~17300 lm	T5, T85°C / Ta:-20°C to +40°C T6, T80°C / Ta:-20°C to +50°C	1B1604A
Ex FloodLight 230V 120W 90° IIC	90°				1B1604B
Ex FloodLight 230V 120W 120° IIC	120°				1B1604C

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ITEM REFERENCES 140W

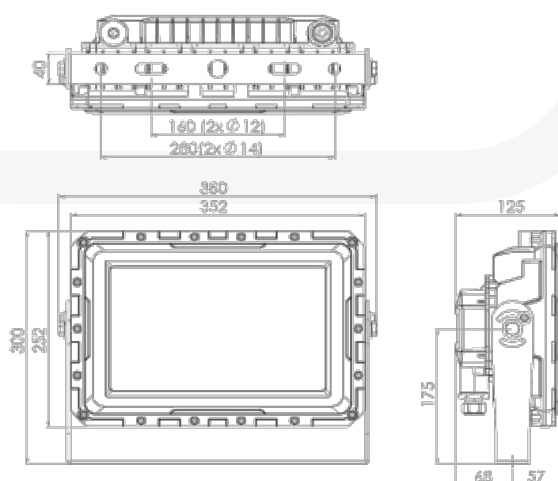
Designation:	Light distribution:	Power factor:	Luminous flux:	Temperature class:	Item No.:
Ex FloodLight 230V 140W 60° IIC	60°	>0,96	~ 20100 lm	T5, T85°C / Ta:-20°C to +40°C T6, T80°C / Ta:-20°C to +50°C	1B1605A
Ex FloodLight 230V 140W 90° IIC	90°				1B1605B
Ex FloodLight 230V 140W 120° IIC	120°				1B1605C

LIGHT DISTRIBUTION

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

TECHNICAL SPECIFICATIONS

Marking 60W, 80W, 100W:	II 2G Ex db op is IIC T6 Gb II 2D Ex tb op is IIIC T85°C Db
Marking 120W, 140W:	II 2G Ex db op is IIC T5...T6 Gb II 2D Ex op is tb IIIC T85°C...T80°C Db
Certificate:	EU-Type Examination Certificate
Operating Voltage:	110 - 230 VAC
Housing:	Die cast aluminium, powder coated, tempered glass 10mm
Gasket:	Silicone gasket
Luminary efficacy:	~ 143 lm/W at 5000 K
LED:	~5000 K (other light colors are optional) CRI: >80
Ingress protection:	IP66 IK08
Connection terminal:	L,N,PE max 3x2,5 mm², external PE Terminal M5/4mm²
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