

LABORATORIO OFICIAL J. M. MADARIAGA



EU-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres

EU-Type Examination Certificate Number LOM 19ATEX1068X

Product Floodlight LED Types FLD **

Shomal Eng & Mfg (Pirooz) Co. Manufacturer

Address C2 Ave. Salmanshahr Industrial Park Salmanshahr, Mazandaran

This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein

Laboratorio Oficial J.M. Madariaga (LOM), Notified Body number 0163, in accordance with Article 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No LOM 18.571H

Compliance with the Essential Health and Safety Requirements has been assured by compliance with

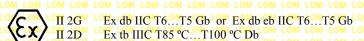
EN 60079-1:2014 EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-31:2014

except in respect of those requirements listed at item 18 of the schedule.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate

The marking of the product shall include the following



Digitally signed by:

Certification committee

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Page 1/2



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SCHEDULE

EU-Type Examination Certificate number: LOM 19ATEX1068X

OM 10 Description of product

The FLD floodlight consists of a housing for the LEDs and another housing for the controller. The whole set is made of cas

The LED hosing has a transparent part based on flat tempered glass cemented in a threaded ring that forms the cover of this enclosure.

The electrical connection between compartments is made with specific bushings.

Variants are coded FLD ***, where *** indicates the LED drive factory-set power in W

	LEDs supply power (W)	95 125 145 180 220	95 125 145 180 220
	Temperature class	ON LOW LOW LOW LTG LOW LOW LOW LOW	T6 ON LOW T5
5	Maximum surface temperature	OM LOM LOM LOM T85,°COM LOM LOM LOM	COM LOW T85 °CM LOW LOW T100°C LO
0	LoAmbient temperature range on I	OM LOM LO+30°C ≤ Ta ≤+40°C LOM LOM	LOM LOM LO-30°CN Tar L+55°CM LOM LO

The enclosure complies with the degree of protection IP66 according to EN 60529

16 Report number LOM 18.571H

Individual tests

17 Specific conditions of use

The driver power setting can only be done in factory

LOM LOEssential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9.

19 Drawings and documents

Number Low Low Low Low Low Low	Sheets	Issue	LOMDate LON	LOM
FLD Driver enclosure (sheet 1/11) LOM LOM	LOM1 LOM	LONALOM	2020-01-27	Driver enclosure on LOM LOM LOM LOM LOM LON
FLD Driver housing cover (sheet 2/11) LON	LOM1 LOW	LOMALOM	2020-01-27	Driver housing cover OM LOM LOM LOM LON
FLD Terminal housing cover (sheet 3/11)	LOM ₁ LOM	LOMALOM	2020-01-27	Terminal housing cover LOW LOW LOW LOW
FLD heat dissipater (sheet 4/11)	LOM LOM	A	2020-01-27	Heat dissipater
FLD Glass (sheet 5/11)	LOMILOM	I ON A OM	2020-01-27	Glass
FLD Front ring (sheet 6/11) LOW LOW LOW	LOM1LOM	LONALOM	2020-01-27	
FLD External cable bushing (sheet 7/11) on	LOM1LOM	LONALOM	2020-01-27	External cable bushing LOM LOM LOM LOM LON
FLD Internal cable bushing (sheet 8/11) LON	LOM1 LOM	LONALOM	2020-01-27	Internal cable bushing LOM LOM LOM LON LON
FLD Certification label (sheet 9/11) - 0 LON	LOM1 LOW	LOMALOM	2020-01-27	Marking label LOM LOM LOM LOM LOM LOM
FLD Flameproof joints (sheet 10/11)	LOWILOW	A	2020-01-27	Flameproof joints
FLD General arrangement (sheet 11/11)	LOMILOM	A	2020-01-27	General arrangement
WI-30(PCD-P-01)/00 on LON LON LON LON	LON12 OM	LOM ⁰ LOM	2020 LON	Operating instructions I LOW LOW LOW LOW LOW