Ex-Proof_EN.FH11 Wed Dec 26 13:48:04 2018 Page 1

Pelsan

Pelsan

ATEX Certified LED Explosion Proof Luminaires

ATEX

ATEX Certificate

Pelsan Explosion Proof luminaires can be safely used in potentially explosive environments where hazardous gas and dust are present.

IEP ENERGY PETROLEUM INSTITUTE

Type Examination Certificate

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/EU

(3) Type Examination Certificate Number: IEP 18 ATEX 0597

(4) Equipment: Large Type , Exproof Luminaries

(5) Firm Name: PELSAN AYDINLATMA SANAYİ ve TİCARET A.Ş.

(6) Firm Address: İmes Sanayi Sitesi A Blok 101 Sok. No:38 Y.Dudullu - İSTANBUL - TURKEY

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of category 3 equipment, which is intended for use in potentially explosive atmospheres, given in Annex II to the Directive 2014/34/EU. The examination and test results are recorded in confidential Report No: IEP.Rp.Ex.10-1287 date 28.05.2018.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN 60079-0:2013, EN 60079-15:2010, EN 60079-31:2014

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

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover provisions for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment or protective system shall include the following:

II 3G Ex nR IIC T6 Gc
II 3D Ex tc IIIC T 80° C Dc

Responsible Person: Nurettin Tatvioğlu, Head of Certification Body

Date of Issue: 31.05.2018

IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate No: IEP 18 ATEX 0597

(15) Description of Equipment:

Large Type , Exproof Luminaries are designed to be used against harsh weather conditions. Large Type , Exproof Luminaries can be used in zone 2 and zone 22 electric devices and can be used in IIC gas group and IIIC dust group. There are related explanations in the product manual. Installation must conform to the appropriate manual. Led driver protection IP 67. Luminaries have been evaluated in the contents of IP 65. Large Type Luminaries can be used at Zone 2 and Zone 22, defined at the EN 60079-10-1 and 60079-10-2 standards.

Technical Specifications;

Types	Power (W)	Length (cm)	Frequency (Hz)	Supply Voltage (V AC)	IP Protection Class
Large Fluorescent	2x18 W	60	50 / 60	220 - 240	IP 65
Large Fluorescent	2x36 W	120			
Large LED	25 W	60			
Large LED	45 W	120			

(17) Essential Health and Safety Requirements:

17.1 This certificate is in the contents of standards that mentioned in item [9]. It has been accepted that Large Type , Exproof Luminaries are manufactured according to the producer instructions and the standards mentioned above.

17.2 Information of mounting instruction manual of Large Type , Exproof Luminaries have been approved 1 page and date 2018.

(18) List of Documentation :

- Large Type , Exproof Luminaries user manual [1 page, dated 2018]
- IP Test Report / Reports No: 18051100830 - 18051100832 / 25.05.2018
- Drawings:

Drawing No:	Drawing Name:	Date:
018-007-00	Assembly Drawing	13.03.2018
018-007-01	Glass	13.03.2018
018-007-02	Body	13.03.2018
018-007-03	Cover	13.03.2018

For the validity of analysis type certificate, the parts that are used Large Type , Exproof Luminaries, are determined in confirmed in the list of equipment page 1, dated 2018.

Responsible Person: Nurettin Tatvioğlu, Head of Certification Body

Date of Issue: 31.05.2018

IEP ENERGY PETROLEUM INSTITUTE

(1)

EU- Internal Production Control Certificate

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/EU

(3) EU – Internal Production Control Certificate Number: IEP 16 ATEX 0468

(4) Product: Led lighting fixtures, Pelsan xy series

(5) Firm Name: PELSAN AYDINLATMA SANAYİ ve TİCARET A.Ş.

(6) Firm Address: İmes Sanayi Sitesi A Blok 101 Sokak No:38 Dudullu Umraniye - İSTANBUL TURKEY

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim , Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2294 in accordance with Article 17 of the Directive 2014/34/EU of 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/VIII to the Directive. The examination and test results are recorded in confidential Report No: IEP.Rp.Ex.10-1057 date 18.11.2016.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with :

EN 60079-0 : 2012, EN 60079-15 : 2010, EN 60079-31 : 2009

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

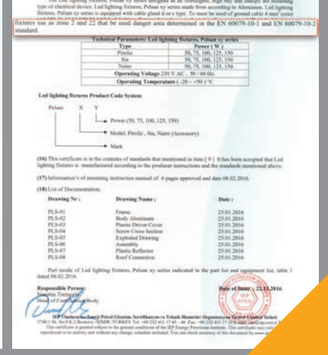
(11) This EU-Internal Production Control Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate. Validity date 10 year. If standard or product change, the certificate is invalid.

(12) The marking of the equipment or protective system shall include the following :

II 3G Ex nR IIC T5 Gc
II 3D Ex tc IIIC (T 95 °C) Dc

Responsible Person : Nurettin Tatvioğlu, Head of Certification Body

Date of Issue : 22.11.2016



IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate No: IEP 16 ATEX 0468

(15) Description of Equipment Protective System;

The Led lighting fixtures, Pelsan xy series designed as an floodlights, high bay and canopy are mounting type of electrical device. Led lighting fixtures, Pelsan xy series made from according to Aluminum. Led lighting fixtures, Pelsan xy series is equipped with cable gland d or e type . To must be used of ground cable 4 mm² (one) fixtures use as zone 2 and 22, that be used danger area determined in the EN 60079-10-1 and EN 60079-10-2 standard.

Technical Parameters: Led lighting fixtures, Pelsan xy series

Type	Power (W)
Piroliz	50, 75, 100, 125, 150
Sia	50, 75, 100, 125, 150
Naire	50, 75, 100, 125, 150

Operating Voltage 230 V AC , 50 / 60 Hz.

Operating Temperature (-20 - +50) °C

Led lighting fixtures Product Code System

Pelsan X Y → Power (50, 75, 100, 125, 150) → Model: Piroliz , Sia, Naire (Accessory) → Mark

(16) This certificate is in the contents of standards that mentioned in item [9]. It has been accepted that Led lighting fixtures is manufactured according to the producer instructions and the standards mentioned above.

(17) Information's of mounting instruction manual of 4 pages approved and date 08.02.2016.

(18) List of Documentation;

Drawing Nr :	Drawing Name :	Date :
PLS-01	Frame	25.01.2016
PLS-02	Body Aluminum	25.01.2016
PLS-03	Plastic Driver Cover	25.01.2016
PLS-04	Screw Cross Section	25.01.2016
PLS-05	Exploded Drawing	25.01.2016
PLS-06	Assembly	25.01.2016
PLS-07	Plastic Reflector	25.01.2016
PLS-08	Roof Connection	25.01.2016

Part inside of Led lighting fixtures, Pelsan xy series indicated in the part list and equipment list, table 1 dated 08.02.2016.

Responsible Person: Nurettin Tatvioğlu, Head of Certification Body

Date of Issue : 22.11.2016

Pelsan Ex-Proof Luminaires can be used safely in:

Chemical, paint and coating facilities,
Petroleum storage facilities,
Oil filing and discharging facilities,
Ports and shipyards,
Power plants & Industrial plants, Fualing stations

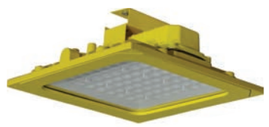
www.pelsan.com.tr

Head Office
İmes Sanayi Sitesi
A Blok 101 Sk No.38
Y. Dudullu / İstanbul
Phone : (0850) 460 75 76
Fax : (0216) 364 60 15

Factory
Çerkeşli OSB İmes
5. Cadde No.12
Dilovası / Kocaeli
Phone : (0850) 460 75 76
Fax : (0216) 364 60 15

Largo Ex-Proof
IP65 T8 Waterproof Luminaires

Largo Ex-Proof
IP65 LED Waterproof Luminaires



Sia Ex-Proof
IP66 LED Highbay Luminaires

Piroliz Ex-Proof
IP66 LED Canopy Luminaire

Nairo Ex-Proof
IP66 LED Floodlight

Composite

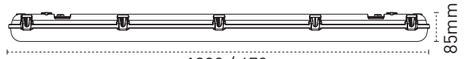
Pelsan Explosion Proof luminaires can be safely used in potentially explosive environments.

- ZONE 2 — Gas Explosion Protection
- ZONE 22 — Dust Explosion Protection
- Operating temperature between -20....+50
- IP66 — IP66 Dust and Water Resistant
- IP65 — IP65 Dust and Water Resistant
- IK08 — Resistant to IK08 conditions
- High efficiency +120lm/W
- CRI>80 — Colour Rendering Index
- CCT — 3000/4000/6500K Color Temperature
- RAL 7001 — Grey Body Colour
- RAL 1023 — Remarkable Body Colour

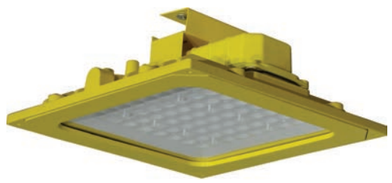
ATEX

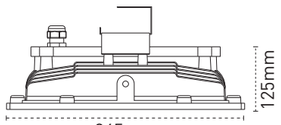
IP65 T8 Waterproof Luminaires

IP65 LED Waterproof Luminaires

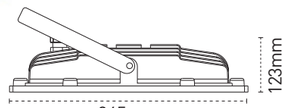


IP66 LED Highbay Luminaires

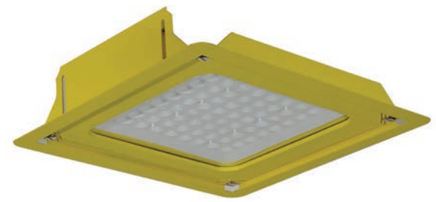


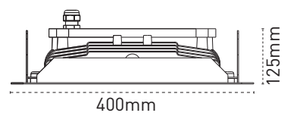


IP66 LED Floodlight



IP66 LED Canopy Luminaire





Largo Ex-Proof
GRP

Code No	108458	108459	108297	108298
Power [W]	25	45	2x18	2x36
Luminous Flux [lm]	2500	4500	T8	T8
Colour Temp. [K]	6500	6500	Optional	Optional
Luminous Effic. [lm/W]	100	100	-	-

Sia Ex-Proof
Aluminium Injection

Code No	106615	106616	106617	106618	106619
Power [W]	50	75	100	125	150
Luminous Flux [lm]	6000	8625	11000	13125	15000
Colour Temp. [K]	6500	6500	6500	6500	6500
Luminous Effic. [lm/W]	120	115	110	105	100

Nairo Ex-Proof
Aluminium Injection

Code No	106498	106499	106500	106501	106502
Power [W]	50	75	100	125	150
Luminous Flux [lm]	6000	8625	11000	13125	15000
Colour Temp. [K]	6500	6500	6500	6500	6500
Luminous Effic. [lm/W]	120	115	110	105	100

Piroliz Ex-Proof
Aluminium Injection

Code No	106578	106579	106580	106581	106582
Power [W]	50	75	100	125	150
Luminous Flux [lm]	6000	8625	11000	13125	15000
Colour Temp. [K]	6500	6500	6500	6500	6500
Luminous Effic. [lm/W]	120	115	110	105	100