



IPEx Certificate of Conformity



Iranian Petroleum Institute confirms that the activities of:



Golnoor

Address: No. 9, Golnoor Co., Golnoor Bldg., Corner of Elahiye
Dd.-End, North Sheikh Ave., Isfahan, Iran

This Certificate Complies With:

Equipment: Explosion-Proof light fitting (ASTERIA series)
Type of protection: db , op is , tb
Ex db op is IIC T6 Gb, Ex op is tb IIIC T85°C Db
(LED Type)
Marking: Ex db IIC T6 Gb, Ex tb IIIC T85°C Db
(Fluorescent Type)

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list within the scope of the certificate and that the manufacturer's quality system, relating to the Ex-products covered by this certificate, was assessed and found to comply with the IPIEx Quality system requirements. This certificate is granted subject to the conditions as set out in the IPIEx Scheme.

(For details see scope of certificate)

Certificate No.: IREX 25 EPIL 022

Certificate Dates and History

Certificate Issue Date: 2025.09.06 Issue No.: 00

Certificate History: --- Certificate Expiry Date: 2028.09.05

Approved for issue on behalf of the IPIEx Certification Body

Seyed Mohsen Mirsadri
Certification Body Manager

Certificate issued by:

Name: EPIL
Address: Unit 12, No. 2, Boujari Sefat Dead-End, Corner of Fariman St.,
Bozorgmehr St., Vali-Asr Ave., Tehran-Iran
Tel.: (+9821) 61971



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.ipiex.ir or use of this QR Code.



Scope of Certificate

Certificate No.: IREX 25 EPIL 022

Manufacturer and Site Address (es):

Golnoor,
No. 9, Golnoor Co., Golnoor Bldg., Corner of Elahiyeh Dd.-End, North Sheikh Ave., Isfahan, Iran

Additional manufacturing
locations: ---

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents were found to comply with the following standards		
Reference Standard(s)	Edition No.	Title
IEC 60079-0	2017	Explosive atmospheres – Part 0: Equipment – General requirements
IEC 60079-1	2014	Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d”
IEC 60079-28	2015	Explosive atmospheres – Part 28 Protection of equipment and transmission systems using optical radiation
IEC 60079-31	2022	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure “t”

This Certificate does not indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

Test & Assessment Reports

Test Reports: H1-70290-0, 1, 28, 31

Quality Assessment Report: COC040060



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Scope of Certificate

Certificate No.: IREX 25 EPIL 022

Equipment:

Equipment and systems covered by this Certificate are as follows:

Explosion-Proof light fitting

Ingress Protection: IP66

Ambient Temperature: -30°C to +55°C

Warning Marking:

- DO NOT OPEN WHEN ENERGIZED (The luminaire containing no battery)
- DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT (The luminaire incorporating cells and batteries)

Rated Voltage: 230 VAC

Rated Frequency: 50~60 Hz

Model Table: See Annex

Routine Tests:

The overpressure test with the static method shall be performed at 11 bar. The period of application of the pressure shall be at least 10 s.

Specific Conditions of Use:

None



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Scope of Certificate

Certificate No.: IREX 25 EPIL 022

Annex:

#	Equipment type (Ref. Code)	Lamp Type	Type of Protection	Used components							
				ballast (Driver)	type of protection	Ex certified	Microswitch	type of protection	Ex certified	Lamp holder	Ex certified
1	ASTERIA - X10 NL 15 - S	LED	db - tb - op is	YES	Normal Electrical Protection	No	No	-	No	No	No
2	ASTERIA - X10 EL 15 - S	LED	db - tb - op is	YES	Normal Electrical Protection	No	No	-	No	No	No
3	ASTERIA - X10 NL 20 - M	LED	db - tb - op is	YES	Normal Electrical Protection	No	No	-	No	No	No
4	ASTERIA - X10 EL 20 - M	LED	db - tb - op is	YES	Normal Electrical Protection	No	No	-	No	No	No
5	ASTERIA - X10 NL 30 - M	LED	db - tb - op is	YES	Normal Electrical Protection	No	No	-	No	No	No
				Size classification							
				ØD/length (mm)							
				Small							
				Ø148 x 459							
				Backup Battery (YES or NO) If YES: Ni-Cd, Ni-MH, or ...							
				No							
				Yes (Ni-Cd)							
				Temperature class							
				T ₁							
				Rated frequency (Hz)							
				50-60							
				Rated Voltage (V)							
				230							
				Power (watt)							
				15							
				Ex certified							
				No							
				type of protection							
				-							
				Microswitch							
				No							
				type of protection							
				-							
				Ex certified							
				No							
				Lamp holder							
				No							
				Ex certified							
				No							



Scope of Certificate

Size classification	medium	Large	Large	Large	Large	Small
ØD/length (mm)	Ø148 x 709	Ø148 x 1319	Ø148 x 1319	Ø148 x 1319	Ø148 x 1319	Ø148 x 459
Backup Battery (YES or NO) If YES: Ni-Cd, Ni-MH, or ...	Yes (Ni-Cd)	No	Yes (Ni-Cd)	No	Yes (Ni-Cd)	No
Temperature class	T ₆	T ₆	T ₆	T ₆	T ₆	T ₆
Rated frequency (Hz)	50-60	50-60	50-60	50-60	50-60	50-60
Rated Voltage (V)	230	230	230	230	230	230
Power (watt)	30	40	40	60	60	12/6
Used components						
Ex certified	No	No	No	No	No	No
type of protection	-	-	-	-	-	-
Microswitch	No	No	No	No	No	No
Ex certified	No	No	No	No	No	No
type of protection	-	-	-	-	-	-
Lamp holder	No	No	No	No	No	No
Ex certified	No	No	No	No	No	No
type of protection	-	-	-	-	-	-
type of protection	Normal Electrical Protection	Normal Electrical Protection	Normal Electrical Protection	Normal Electrical Protection	Normal Electrical Protection	Normal Electrical Protection
ballast (Driver)	YES	YES	YES	YES	YES	YES
Type of Protection	db - tb - op is	db - tb - op is	db - tb - op is	db - tb - op is	db - tb - op is	db - tb - op is
Lamp Type	LED	LED	LED	LED	LED	LED
Equipment type (Ref. Code)	ASTERIA - X10 EL 30 - M	ASTERIA-X10 NL 40 - L	ASTERIA-X10 EL 40 - L	ASTERIA-X10 NL 60 - L	ASTERIA-X10 EL 60 - L	ASTERIA-X10 NL L10L - S
#	9	7	8	6	10	11

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Scope of Certificate

Size classification	Small	medium	medium	Large	Large
ØD/length (mm)	Ø148 x 459	Ø148 x 709	Ø148 x 709	Ø148 x 1319	Ø148 x 1319
Backup Battery (YES or NO) If YES: Ni-Cd, Ni-MH, or ...	No	No	Yes (Ni-Cd)	No	Yes (Ni-Cd)
Temperature class	T ₆	T ₆	T ₆	T ₆	T ₆
Rated frequency (Hz)	50-60	50-60	50-60	50-60	50-60
Rated Voltage (V)	230	230	230	230	230
Power (watt)	50	36	36	72	72
Used components					
Ex certified	No	No	No	No	No
type of protection	-	-	-	-	-
Microswitch	No	No	No	No	No
Ex certified	No	No	No	No	No
type of protection	-	-	-	-	-
Lamp holder	No	YES	YES	YES	YES
Ex certified	No	No	No	No	No
type of protection	-	-	-	-	-
ballast (Driver)	Normal Electrical Protection YES	Normal Electrical Protection YES	Normal Electrical Protection YES	Normal Electrical Protection YES	Normal Electrical Protection YES
Type of Protection	db - tb - op is	db - tb	db - tb	db - tb	db - tb
Lamp Type	LED	Fluorescent	Fluorescent	Fluorescent	Fluorescent
Equipment type (Ref. Code)	ASTERIA-X10 NL MIOL - S	ASTERIA-X10 NF 36 - M	ASTERIA-X10 EF 36 - M	ASTERIA-X10 NF 72 - L	ASTERIA-X10 EF 72 - L
#	12	13	14	15	16



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