

(1) EC-TYPE-EXAMINATION CERTIFICATE

(2) Equipment and Protective Systems intended for use in
Potentially Explosive Atmosphere - **Directive 94/9/EC**

(3) EC-Type-Examination Certificate Number



TÜV 11 ATEX 7092 X

(4) Equipment: **EVZ Series HID Luminaires**

(5) Manufacturer: **Cooper Electronic Technologies (Shanghai) Co., Ltd.**

(6) Address: **No 955, Sheng Li Road Pu Dong, Shanghai, China**

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

(8) The TÜV Rheinland Zertifizierungsstelle for ex-protected products of TÜV Rheinland Industrie Service GmbH, TÜV Rheinland Group, notified body No. 0035 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex092.00/11

(9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0: 2009
EN 61241-0: 2006

EN 60079-1: 2007
EN 61241-1: 2004

EN 60079-7: 2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type-Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process 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 shall include the following:



II 2 G

Ex d e IIC T... Gb



II 2 D

Ex tD A21 IP66 T...

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2011-07-22


Dipl.-Ing. Heinz Farke

This EC-type Examination Certificate without signature and stamp shall not be valid.

This EC-type-examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
TÜV Rheinland Industrie Service GmbH, TÜV Rheinland Group, Am Grauen Stein 51105 Köln

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Precisely Right.

(13)

Annex

(14)

EC - Type Examination Certificate

TÜV 11 ATEX 7092 X

(15)

Description of equipment

EVZ Series HID Luminaires.

EVZ I S 1M 07 3 0 LT L ** /DR

Reflector

Default=w/o reflector

DR=Dome reflector

AR=Angle reflector

Suffix

The rest is uninfluenced to hazardous products.

/TI=Timed ignitor

Housing

L=Large body (only 150W)

Ambient temperature

Default=-20°C~+55°C

LT=-40°C~+55°C

Guard

0=w/o guard

4=304 SST guard

6=316 SST guard

Voltage

3=220V 50Hz

4=220V 60Hz

5=230V 50Hz

6=240V 50Hz

7=230V 60Hz

Lamp Wattage

07=70W

10=100W

15=150W

25=250W

40=400W

60=600W

Entry Size

1M=M20

2M=M25

3N= NPT3/4"

Lamp Type

M=Metal Halide

S=High Pressure Sodium

Entry type

I=Indirect entry

Product Group

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These luminaires have two sizes. One is a small body another is a large body. They are suitable for use in hazardous locations classified as Zone 1, Zone 2, Zone 21 or Zone 22. These luminaires consist of a ballast housing and top hat made from die casting aluminium alloy, as well as a glass globe, and for the small body it may or may not be provided with a reflector. The electric power is fed in via certified cable glands. Unused entries are sealed with suitable plugs to maintain the degree of protection. The top hat has one "Ex d" chamber and one "Ex e" chamber. For the small body, there is only one "Ex d" chamber through top hat, ballast housing and glass globe assembly. For the large body there are two "Ex d" chambers. One consists of globe housing and lamp housing, another consists of ballast housing and top hat. The wiring between housings is made by M16 wire seal.

Type configuration for small bodies:

Std. Cat No.	Watt (W)	Lamp	Voltage	Lampholder	Without Reflector						With Reflector						Weight (Kg)
					T Class (Gas)			T °C (Dust)			T Class (Gas)			T °C (Dust)			
					+40°C	+50°C	+55°C	+40°C	+50°C	+55°C	+40°C	+50°C	+55°C	+40°C	+50°C	+55°C	
EVZIS*07***	70	HPS	220V 50Hz 230V 50Hz 240V 50Hz 220V 60Hz 230V 60Hz	E27	T5	T5	T4	83	93	98	T4	T4	T4	100	110	115	10
EVZIM*07***	70	MH		E27	T5	T5	T4	83	93	98	T5	T4	T4	93	103	108	10
EVZIS*10***	100	HPS		E40	T5	T4	T4	94	104	109	T4	T4	T4	110	120	125	11
EVZIM*10***	100	MH		E27	T4	T4	T4	97	107	112	T4	T4	T4	112	122	127	11
EVZIS*15***	150	HPS		E40	T4	T4	T4	113	123	128	T3	T3	T3	136	146	151	12
EVZIM*15***	150	MH		E27	T4	T4	T4	111	121	126	T3	T3	T3	133	143	148	12

Type configuration for large bodies:

Std. Cat No.	Watt (W)	Lamp	Voltage	Lampholder	T Class (Gas)			T °C (Dust)			Weight (Kg)
					+40°C	+50°C	+55°C	+40°C	+50°C	+55°C	
EVZIS*15***	150	HPS	220V 50Hz 230V 50Hz 240V 50Hz 220V 60Hz 230V 60Hz	E40	T4	T4	T4	98	108	113	15
EVZIM*15***	150	MH		E40	T4	T4	T4	100	110	115	15
EVZIS*25***	250	HPS		E40	T3	T3	T3	134	144	149	16
EVZIM*25***	250	MH		E40	T3	T3	T3	132	142	147	16
EVZIS*40***	400	HPS		E40	T3	T3	T3	146	156	161	18
EVZIM*40***	400	MH		E40	T3	T3	T3	167	177	182	18
EVZIS*60***	600	HPS		E40	T3	T3	T3	167	177	182	20

(16) Test-Report No. 557 / Ex 092.00/11

(17) Special Conditions for safe use

After de - energizing, wait 10 minutes before opening.

Do not open when an explosive dust atmosphere is present.

(18) Basic Safety and Health Requirements Covered by the afore mentioned standards.

TÜV Rheinland Zertifizierungsstelle

Cologne, 2011-07-22

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