EU-Type Examination Certificate

Certificate No:
ACE25ATEX014X
Rev00

Issued: 26/05/2025

[1] **EU - TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

[3]	EU – Type Examination Certificate Number	ACE25ATEX014X Rev00
[4]	Product	Explosion-proof LED Lightings Model HRND95-*
[5]	Manufacturer	WAROM TECHNOLOGY INCORPORATED COMPANY
[6]	Address	No. 555 Baoqian Road, Jiading District, Shanghai, 201808 China

[7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and 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. EX_EXE004_25_25-681, EX_EXM002_25_25-681, EX_EXT002_25_25-681

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 : Explosive atmospheres — Part 0: Equipment — General requirements
EN 60079-7: 2015/A1:2018: Explosive atmospheres - Part 7: Equipment protection by increased safety ‘e’
EN 60079- 18:2015/A1:2017: Explosive atmospheres - Part 18: Equipment protection by encapsulation ‘m’
EN 60079-31:2014: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’

[10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of This certificate.

[11] 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.

[12] The marking of the equipment or protective system shall include the following:

II 3G Ex ec mc IIC T5 Gc, II 2 D Ex tb IIIC T82℃ Db Tamb: -40℃ ~ +40℃
II 3G Ex ec mc IIC T4 Gc, II 2 D Ex tb IIIC T100℃ Db Tamb: -40℃ ~ +58℃

This Declaration of conformity may only be reproduced in its entirety and without any change, including schedules.

Date: 26/05/2025

Advanced Consulting and Engineering Iberia SL
Notified Body No NB3024
Matteo Marconi, CEO

Digitally signed by: MARCONI MATTEO
Date: 26/05/2025 10:04:38

[13] **SCHEDULE**

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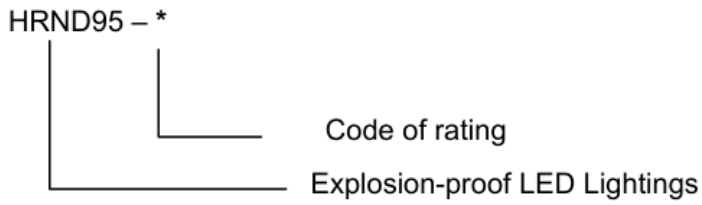
[15] Description of equipment

The enclosure of HRND95 series Explosion-proof LED Lightings is made of aluminium alloy material and the light transmitting part is made of tempered glass. The LED modules are included in the LED chamber, this part of equipment is interconnected via a threaded entry to the terminal chamber where the other electrical components (such as LED driver and terminal blocks) are installed. The LED modules and other electrical components (such as LED driver and terminal blocks) are tested as a whole with the entire equipment and the built-in increased safety certified terminal is provided. The terminal chamber is provided with a threaded cable entry and internal earth connections. The degree of protection of the equipment is IP66.
Type code designation:



*: Code of rating
40W(110-277V AC,50/60Hz;130-250V DC)
50W(110-277V AC,50/60Hz;130-250V DC)
60W(110-277V AC,50/60Hz;130-250V DC)
80W(110-277V AC,50/60Hz;130-250V DC)
120W(110-277V AC,50/60Hz;130-250V DC)
160W(110-277V AC,50/60Hz;130-250V DC)
200W(110-277V AC,50/60Hz;130-250V DC)
240W(110-277V AC,50/60Hz;130-250V DC)
300W(110-277V AC,50/60Hz;130-250V DC)

The relation between input power, ambient temperature, temperature class and maximum surface temperature is listed in the following table:

Input power	Temperature class/maximum surface temperature			
40W,50W,60W,80W,120W,160W,200W,240W,300W	Tamb:-40℃ ~ +40℃		Tamb:-40℃ ~ +58℃	
	Gas	Dust	Gas	Dust
	T5	T82℃	T4	T100℃

[13] **SCHEDULE**

[14] EU – Type Examination Certificate No: ACE25ATEX014 Rev00

[16] Test documents are listed in the test report nº
EX_EXE004_25_25-681, EX_EXM002_25_25-681, EX_EXT002_25_25-681

[17] Special conditions for safe use
1. Ambient temperature: -40℃ ~ +40℃(T5 or T82℃), -40℃ ~ +58℃(T4 or T100℃).
2. Observe the warning:
WARNING-DO NOT OPEN WHEN ENERGIZED.
WARNING-DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS.
3. Explosion-proof LED Lightings risk of mechanical danger is low, reduce the risk of impact of foreign objects during installation.
4. When the product is installed in explosive gas atmosphere, the separated certified cable gland that comes with a sealing gasket fulfills the requirements of EN IEC 60079-0 and EN 60079-7, with an Ex marking of II 2G Ex eb IIC Gb, and IP66 shall be incorporated.
5. When the product is installed in combustible dust atmosphere, the separated certified cable gland that comes with a sealing gasket fulfills the requirements of EN IEC 60079-0 and EN 60079-31, with an Ex marking of II 2D Ex tb IIIC Gb, and IP66 shall be incorporated.

[18] Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19] Documents and technical datasheets:

Title	Object	Revision	Date
Manual	0HRW 110 314	1	2025.4.10
HRND95-40W/50W/60W Explosion-proof LED Lightings	1HRW 000 200	1	2025.4.10
HRND95-80W/120W Explosion-proof LED Lightings	1HRW 000 198	1	2025.4.10
HRND95-160W/200W Explosion-proof LED Lightings	1HRW 000 225	1	2025.4.10
HRND95-240W/300W Explosion-proof LED Lightings	1HRW 000 199	1	2025.4.10
Nameplate	4HRW 110 498.1	1	2025.4.10
Shell body for HRND95 40/50/60	1HRW 020 153	0	2024.3.15

Shell body for HRND95 80/120	1HRW 020 152	0	2024.3.15
Shell body for HRND95 160/200	1HRW 020 172	0	2024.3.15
Shell body for HRND95 240/300	1HRW 020 151	0	2024.3.15
Upper Cover for HRND95 40/50/60	1HRW 050 152	0	2024.3.15
Upper Cover for HRND95 80/100	1HRW 050 150	0	2024.3.15
Upper Cover for HRND95 160/200	1HRW 050 170	0	2024.3.15
Upper Cover for HRND95 240/300	1HRW 050 149	0	2024.3.15
Junction box for HRND95 40/50/60	1HRW 050 153	0	2024.3.15
Junction box for HRND95 80/100	1HRW 050 151	0	2024.3.15
Junction box for HRND95 160/200	1HRW 090 466	0	2024.3.15
Junction box for HRND95 240/300	1HRW 090 441	0	2024.3.15
Base plate for HRND95 40/50/60	1HRW 090 449	0	2024.3.15
Base plate for HRND95 80/100	1HRW 090 445	0	2024.3.15
Base plate for HRND95 160/200	1HRW 090 465	0	2024.3.15
Base plate for HRND95 240/300	1HRW 090 440	0	2024.3.15
Glass for HRND95-40/50/60	1HRW 100 143	0	2024.1.15
Glass for HRND95-80/120	1HRW 100 140	0	2024.1.15
Glass for HRND95-160/200	1HRW 100 155	0	2024.1.15
Glass board for HRND95 240/300	1HRW 100 138	0	2024.1.15
Sealing gasket 1	8603700789	0	2024.3.15
Sealing gasket 2	8603700814	0	2024.3.15
Sealing gasket 3	8603700832	0	2024.1.15
LED driver for HRND95	6652930033	0	2024.3.15
LED driver PCB for HRND95 40W	840999004901	0	2024.4.1

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LED driver PCB for HRND95 50/60W	840999005301	1	2024.4.2
LED driver PCB for HRND95 80W	840999005701	1	2024.4.2
LED driver PCB for HRND95 120W	840999006101	1	2024.4.2
LED driver PCB for HRND95 160W	840999006501	1	2024.4.2
LED driver PCB for HRND95 200/240W	840999006801	1	2024.4.2
LED driver PCB for HRND95 300W	840999007001	0	2024.4.2
Driver ATEX Certificate	DNV_21_ATEX_09722U	/	2022.5.6
IECEX report	Report No: CN/NEP/ExTR24.0050/00 Lab:Shanghai inspection and testing institute of instructments and automatic systems Co.,Ltd (SITIIAS)	/	2024.12.9

The documents above-mentioned are strictly confidential and they are of only use of authorities.
A copy of the documents are saved by A.C.&E. Iberia S.L.

[20] Declaration of conformity History

Number of certificate	Rev.	Comments	Date
ACE25ATEX014X	00	First emission	26/05/2025

Date: 26/05/2025

Advanced Consulting and Engineering Iberia SL
Notified Body No NB3024
Digitally signed by: MARCONI MATTEO
Date: 26/05/2025 10:05:05

Matteo Marconi, CEO