

[1] EC-TYPE EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC

- [3] EC-Type Examination Certificate Number: **Nemko 08ATEX1095**
- [4] Equipment or Protective System: **Explosion-proof audio and visual caution spotlight fittings**
- [5] Applicant/ Manufacturer: **WAROM GROUP CO., LTD.**
[6] Address: **No. 555, Baoqian Road, Jiading District.
Shanghai
P. R. China**
- [7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, 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 equipment and protective systems 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. **108270**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0: 2006, EN 60079-1: 2004, EN 60079-11: 2007
- [10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC.
Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- [12] The marking of the equipment or protective system shall include the following:

**II 2 G****Ex d [ib] ib IIC T6, Ta: 55°C**

Oslo, 2009-03-23



Rolf Hoel
Certification Manager, Ex-products

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[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 08ATEX1095****[15] Description of Equipment or Protective System**

Explosion-proof audio and visual caution spotlight fittings with aluminium enclosure and glass shade. Control box consisting of flameproof box of stainless steel with decoder, transformer and terminal board installed. The enclosure has one G3/4" threaded opening for cable gland. Appropriate ATEX certified cable gland with IP 65 must be used.

Type Designations

BBJ

Technical Data

220-240VAC 50-60Hz Max. 2W

Ingress Protection Code

IP 65

[16] Report No. 108270**Descriptive Documents**

Name/Number	Rev.	Date	Title/Description	Sheets
WM2HR 351 255MX	-	2007-11-12	Parts and pack units list	1
WMOHR 306 204	-	2007-11-12	Buzzer intrinsic safety circuit board	1
WMOHR 306 205	-	2007-11-12	LED lamp source	1
WMOHR 306 206	-	2007-11-12	Buzzer flake	1
WMOHR 354 140	-	2007-11-12	Circuit schematic diagram of Circuit elements' layout	1
WMOHR 354 141	-	2007-11-12	Diagram for intrinsic-safety electronic buzzer	1
WM2HR 351 255	-	2007-11-12	General assembly drawing	1
WM5HR 516 201	-	2007-11-12	Terminal base	1
WM5HR 579 015	-	2007-11-12	Buzzer assembly	1
WM5HR 516 202	-	2007-11-12	Connector base	1
WM5HR 906 001	-	2007-11-12	Terminal bolt assembly	1
WM8HR 003 1127	-	2007-11-12	Enclosure 1	1
WM8HR 003 1198	-	2007-11-12	Enclosure 3	1
8HRGJ 041 001.2	-	2007-11-12	Plug	1
WM8HR 091 383	-	2007-11-12	Enclosure ring	1
WM8I IR 210 271	-	2007-11-12	Sheath	1
WM8HR 215 051	-	2007-11-12	Buzzer sheath	1
WM8HR 250 199	-	2007-11-12	Insulation pad	1
WM8HR 300 189	-	2007-11-12	Buzzer sheath	1
WM8HR 370 375	-	2007-11-12	Sealing strip	1
WM8HR 370 698	-	2007-11-12	Sealing gasket	1
WM8HR 403 330	-	2007-11-12	Glass shade	1
WM8HR 403 338	-	2007-11-12	Light-transmitting shield	1
WM8HR 570 204	-	2007-11-12	Circuit printed board	1
WM8HR 588 188	-	2007-11-12	Conducting strip	1
WM8HR 860 414	-	2007-11-12	Nameplate	1
WM8HR 865 363, WM8HR 865 496	-	2007-11-12	Marking plate	2
WM8HR 940 222	-	2007-11-12	Bolt	1
WM8HR 950 217	-	2007-11-12	Pressure gasket	1

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Routine Test

Each unit shall withstand an over pressure test according to EN60079-1 clause 16. The reference pressure is 9.2 bar

[17] Special Conditions for Safe Use

None

[18] Essential Health and Safety Requirements

See item 9



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