



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx SIR 07.0023 issue No.:1

Status: **Current**

Certificate history:  
Issue No. 1 (2008-9-4)  
Issue No. 0 (2007-10-11)

Date of Issue: **2008-09-04** Page 1 of 4

Applicant: **Hadar Lighting limited**  
Ashington,  
Northumberland.  
NE63 8UB  
United Kingdom

Electrical Apparatus: **A Type HDL117 Floodlight**  
*Optional accessory:*

Type of Protection: **Flameproof and Increased Safety**

Marking: **Ex de IIB T3 – Metal halide or high pressure sodium lamp 150 W, 250 W, 120 V to 240 V**  
**Ex de IIB T3 – Metal halide or high pressure sodium lamp 400 W, 120 V to 220 V**  
**Ex de IIB T2 – Metal halide or high pressure sodium lamp 400 W, 230 V, 240 V**  
**Ex de IIB T2 – Tungsten halogen lamp up to 500 W, 240 V**

*Approved for issue on behalf of the IECEx  
Certification Body:*

C Ellaby

*Position:*

Certification Officer

*Signature:  
(for printed version)*

*Date:*

2008-09-04

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**SIRA Certification Service**  
Rake Lane  
Eccleston  
Chester  
CH4 9JN  
United Kingdom

**sira**  
CERTIFICATION



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Manufacturer: **Hadar Lighting limited**  
Ashington,  
Northumberland.  
NE63 8UB  
United Kingdom

Manufacturing location(s):

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 below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2003</b> Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[GB/SIR/ExTR07.0097/00](#)  
[GB/SIR/ExTR08.0108/00](#)

Quality Assessment Report:  
[GB/SIR/QAR06.0035/00](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Type HDL117 Floodlight comprises a rectangular cast aluminium alloy lamp enclosure and cover, and an integral increased safety terminal enclosure at the rear. A potted and threaded cable feedthrough is provided in the wall between the two enclosures. The floodlight can be provided with a metal halide or high pressure sodium lamp of 150 W, 250 W or 400 W. The lamp enclosure contains the associated control gear mounted behind the lamp reflector. The floodlight is rated up to 240 V.

**CONDITIONS OF CERTIFICATION: NO**



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

**Issue 1** - this Issue introduced the following changes:

1	The option to fit a tungsten halogen lamp rated up to 500 W, 240 V was added to the range of HDL117 Floodlight, this option is option is marked as indicated.
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