



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

Certificate No.: **IECEx SIR 07.0020X** issue No.: **0** History:

Status: **Current**

Date of Issue: **2007-03-20** Page 1 of 3

Applicant: **Hadar Lighting Ltd**
 Jubilee Industrial Estate
 Ashington
 Northumberland
 NE63 8UG
 United Kingdom

Electrical Apparatus: **Portable Luminaire**
 Optional accessory:

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

Marking: **Ex emb II T3 (-20°C to +35°C)**
Ex emb II T3 (-20°C to +53°C)
Ex embd IIC T3 (-20°C to +35°C)
Ex embd IIC T3 (-20°C to +53°C)
Ex emb II T4 (-15°C to +53°C)
Ex embd IIC T4 (-20°C to +53°C)
Ex tD A21 IP 66/IP 67/IP 68 T100°C
 (Refer to certificate Annexe for markings applicable to particular models)

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

Position: **Certification Officer**

Signature:
 (for printed version)

Date:

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.

Certificate issued by:

SIRA Certification Service
 Rake Lane
 Ecclestone
 Chester
 CH4 9JN
 United Kingdom

sira
 CERTIFICATION



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Manufacturer: **Hadar Lighting Ltd**
Jubilee Industrial Estate
Ashington
Northumberland
NE63 8UG
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 manufacture's quality system, relating to the Ex product 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 identification documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-18 : 2004 Edition: 2.0	Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

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/ExTR07.0058/00

Quality Assessment Report:

GB/SIR/QAR06.0035/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

These Fluorescent Luminaires are suitable for portable lighting or for use in fixed installations, they are available as either a standard version (HDL105S) or an emergency version incorporating an integral battery (HDL105E). For a full description and product breakdown, refer to certificate Annexe

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The encapsulant has not been tested for resistance to moisture absorption because the enclosure is designed to maintain IP 66/67/68 (3 m for 30 minutes). The luminaire shall be installed such that the IP 66/67/68 (3 m for 30 minutes) ratings will be maintained.
2. These luminaires shall only be installed in areas of low mechanical risk.

Annexe: 07.0020X_Issue0_Annexe.pdf