

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

according to Directive 94/9/EC, Annex III

(Translation)



[2] Equipment and Protective Systems intended for use  
in Potentially Explosive Atmospheres, **Directive 94/9/EC**

[3] EC-Type Examination Certificate Number: **IBExU09ATEX1087**

[4] Equipment: **LED Work Light**  
Type 07-5051-31\*\*/\*\*\*\*

[5] Manufacturer: **BARTEC GmbH**

[6] Address: **Max-Eyth-Str. 16,  
97980 Bad Mergentheim  
GERMANY**

[7] The design of the equipment mentioned under [4] and any acceptable variations thereto are specified in the schedule to this EC-Type Examination Certificate.

[8] IBExU Institut für Sicherheitstechnik GmbH, NOTIFIED BODY number 0637 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of the equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The test results are recorded in the Test Report IB-08-3-063 of October 12, 2009.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2006, EN 60079-11:2007, EN 60079-26:2007, EN 60079-28:2007, EN 61241-0:2006 and EN 61241-11:2006.

[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 under [17] in the schedule to this EC-Type Examination Certificate.

[11] This EC-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

[12] The marking of the equipment mentioned under [4] shall include the following:

II 1G Ex ia op is IIC T4 or  
 II 1D Ex iaD 20 T 100 °C  
-20 °C ≤ Ta ≤ +60 °C

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Authorised for certifications  
- Explosion protection -

By order

(Dr. Wagner)

Schedule



- Seal-  
(ID no. 0637)

Freiberg, October 12, 2009

Certificates without signature and seal are not valid.  
Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

[13] **Schedule**

[14] **to EC-TYPE EXAMINATION CERTIFICATE IBExU09ATEX1087**

[15] **Description of the equipment**

The LED work light type 07-5051-31\*\*/\*\*\*\* for use in explosive atmospheres consists of a solid plastic housing with integrated on-off switch and a moving hook. The housing contains the LED-field, the electronic circuit and the rechargeable battery. The charging of the battery must be outside of the hazardous area.

**Technical data**

Ambient temperature range	-20 °C to +60 °C
Degree of protection of the housing	IP 66
Electric output	about 5 W
Type designation	Type 07-5051-31**/****
Rechargeable battery	Item No. 05-0079-0037 8,4 V, 2300 mAh
Battery charger	Item No. 03-9914-0007 9,3 V 1,3 A

The work light has a maximum surface temperature of 100 °C.

[16] **Test Report**

The proof of the explosion protection is explained in the Test Report IB-08-3-063. The test documents are part the test report and are listed there.

Summary of test results:

The work light fulfils the requirements of the explosion protection for equipment of the Group II, Categories 1G and 1D in type of protection intrinsic safety and the requirements of the explosion protection for apparatus with optical radiation.

[17] **Special conditions**

none

[18] **Essential health and safety requirements**

Confirmed by compliance with standards (see [9]).

By order

Freiberg, October 12, 2009



(Dr. Wagner)