



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 BVS 19.0049X Issue No: 0 Certificate history:
Issue No. 0 (2019-09-13)

Status: **Current** Page 1 of 3

Date of Issue: **2019-09-13**

Applicant: **PARAT GmbH + Co. KG**
Schönenbach Straße 1
94089 Neureichenau
Germany

Equipment: **Torch light type PARALUX PX1 Shorty**
Optional accessory:

Type of Protection: **Intrinsic safety "I"; Protection of equipment and transmission systems using optical radiation**

Marking:
Ex ib op is IIB T4 Gb
Ex ib op is IIIC T105°C Db
IP68

Approved for issue on behalf of the IECEx
Certification Body:

Jörg Koch

Position:

Head of Certification Body

Signature:
(for printed version)

Date:


13.9.19

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:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Manufacturer: **PARAT GmbH + Co. KG**
Schönenbach Straße 1
94089 Neureichenau
Germany

Additional 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 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:

IEC 60079-0 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

*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:

[DE/BVS/ExTR19.0059/00](#)

Quality Assessment Report:

[DE/BVS/QAR14.0001/04](#)



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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The torch light type PARALUX PX1 Shorty is a handheld torch fitted with a LED lamp module and is powered by 2 AA cells. The enclosure is constructed from non-conducting polycarbonate. The torch light is suitable for use in gas group IIB and EPL Gb. It can also be used in explosive dust atmospheres group IIIC and EPL Db.

Parameters

Maximum optical irradiance $< 5 \text{ mW} / \text{mm}^2$
Ambient temperature range Ta $-20 \text{ }^\circ\text{C}$ up to $+40 \text{ }^\circ\text{C}$

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. It is allowed to use only the battery types listed in the manufacturer's instructions.
2. The ambient temperature range is limited to $-20 \text{ }^\circ\text{C}$ to $+40 \text{ }^\circ\text{C}$.