

1 **TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

- 3 Type Examination Certificate Number: **Baseefa18ATEX0070**
- 4 Product: **iL4, iL7 and iL7R Flashlights, iLH8 and iLH8R Headlamps**
- 5 Manufacturer: **Ledlenser GmbH & Co. KG**
- 6 Address: **Kronenstraße 5-7, D-42699, Solingen, Germany**
- 7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 SGS Baseefa certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.
- The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR17.0081/01**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0: 2018 EN 60079-11: 2012
- except in respect of those requirements listed at item 18 of the Schedule.
- 10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- 11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.
- 12 The marking of the product shall include the following :

 (see schedule)

SGS Baseefa Customer Reference No. **7674**

Project File No. **16/0864**

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A handwritten signature in blue ink, appearing to read 'R S Sinclair'.

R S SINCLAIR
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

D BREARLEY
Certification
Manager

13 **Schedule**

14 **Certificate Number Baseefa18ATEX0070**

15 **Description of Product**

The iL4 and iL7 are portable flashlights and the iLH8 is a portable headlamp that are all powered by primary cells, have EPLs of Gc and Dc, and are suitable for use in Group IIC and IIIC areas.

The iL7R is a rechargeable version of the iL7, and the iLH8R is a rechargeable version of the iLH8 that also have EPLs of Gc and Dc, and are also suitable for use in Group IIC and IIIC areas.

All models are marked:-

⊕ II 3G Ex ic IIC T4 Gc

⊕ II 3D Ex ic IIIC T135°C Dc

The iL4 is powered by two alkaline LR03 (AAA) cells. Only the following AAA / LR03 cell types are permitted:- Duracell Plus Power, Duracell OEM, Energizer Varta High Energy, Panasonic Industrial Powerline, Panasonic Evolta, Panasonic LR03XJ, Ledlenser Alkaline LR03.

The iL7 and the iLH8 are powered by three LR6 (AA) cells. Only the following cell types are permitted:- Duracell Plus Power, Duracell OEM, Energizer E91, Energizer Industrial E91, Varta High Energy, Panasonic Industrial Powerline, Panasonic Evolta, Panasonic LR6XJ, Ledlenser Alkaline LR6.

The rechargeable models iL7R and iLH8R must only be fitted with Ledlenser battery pack type iL18650C1.

The rechargeable models iL7R and iLH8R have a charging socket rated $U_m = 15V$.

The equipment listed on this certificate is outside the scope of EN 60079-28.

16 **Report Number**

GB/BAS/ExTR17.0081/01

17 **Specific Conditions of Use**

None

18 **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.3.1	Hazards arising from different sources
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Title
5010170EY0-02	1	V2	18/05/2018	5010170EY0 *1
5010170EY0-02A	1	V0	28/07/2017	5010170EY0 *1
5010170EY0-03	1	V1	06/12/2017	5010170EY0 *1
5010170EY0-04	1	V1	24/01/2018	5010170EY0 *1
5010170EY0-05	1	V1	02/01/2018	5010170EY0 Ø2.6 *1
5010170EY0-08	1	V1	14/12/2017	5010170EY0 *1
5010170EY0-09	1	V1	14/12/2017	5010170EY0 *1

Number	Sheet	Issue	Date	Title
5010170EY0-10	1	V1	20/12/2017	5010170EY0 *1
5010170EY0-12	1	V1	17/01/2018	5010170EY0 *1
5010170EY0-13A	1	V0	28/07/2017	5010170EY0 *1
5010170EY0-14	1	V1	26/10/2017	5010170EY0 *1
5010170EY0-15	1	V1	14/12/2017	5010170EY0 *1
5010170EY0-16	1	V1	24/01/2018	5010170EY0 *1
5010170EY0-17	1	V1	25/01/2018	5010170EY0 *1
5010170EY0-18	1	V1	22/11/2017	5010170EY0 *1
5010170EY0-19	1	V1	16/11/2017	5010170EY0 *1
5010170EY0-20	1	V1	16/11/2017	5010170EY0 *1
5010170EY0-22	1	V1	24/01/2018	Ø21X2"0" *1
5010170EY0-23	1	V1	24/01/2018	Ø28X2"0" *1
5010170EY0-25	1	V1	24/01/2018	Ø10X1.5"0" *1
5010170EY0-26	1	V0	25/01/2018	5010170EY0 *1
5010170EY0-27	1	V0	25/01/2018	5010170EY0 *1
5010190IEXL0-01	1	V0	04/02/2018	5010190IEXL0 *1
5010190IEXL0-02	1	V0	04/02/2018	5010190IEXL0 *1
5010190IEXL0-03	1	V0	04/02/2018	5010190IEXL0 *1
5010190IEXL0-04	1	V0	04/02/2018	5010190IEXL0 *1
5010190IEXL0-A	1	V0	04/02/2018	iLH8(5010190IEXL0) explosive view
5010190IEXL0-B	1	V0	04/02/2018	5010190IEXL0 Head part explosive view
5010190IEXL0-C	1	V0	04/02/2018	5010190IEXL0 battery box explosive view
5010190IEXL0-LA-01	1	V1	18/06/2018	1xXPL 3xAA iLH8 *1
5010190ILO-06	1	V1	26/01/2018	5010190ILO *1
501052REXL0-03	1	V2	12/06/2018	501052REXL0 *1
501052REXL0-03A	1	V0	09/01/2017	501052REXL0 *1
501052REXL0-05	1	V1	18/05/2018	501052REXL0 *1
501052REXL0-07	1	V0	03/02/2018	501052REXL0 *1
501052REXL0-09LA	1	V1	18/06/2018	501052REXL0 *1
501052REXL0-A	1	V1	18/05/2018	iLR7 exploded assembly drawing
501052REXL0-B	1	V1	18/05/2018	501052REXL0 Rechargeable battery box exploded drawing
501052REXL0-LA-01	1	V1	18/06/2018	1xXPL 1x18650 iL7R *1
501074RIEXL0-01	1	V0	04/02/2018	501074RIEXL0 *1
501074RIEXL0-A	1	V0	04/02/2018	iLH8R (501074RIEXL0) explosive view
501074RIEXL0-B	1	V0	04/02/2018	501074RIEXL0 battery box explosive view
501074RIEXL0-LA-01	1	V1	18/06/2018	1xXPL 18650 iLH8R *1
D31.8XPL-RLS	1	V0	05/09/2016	Ø31.8XPL-LED *1
EX4200Y0-01	1 & 2	V4	08/11/2017	EX4200Y0 (2-shot mould) *1
EX4200Y0-05	1	V2	07/06/2017	EX4200Y0 *1
EX4200Y0-07	1	V1	25/02/2016	EX4200Y0 *1
EX4200Y0-08	1	V1	01/03/2016	EX4200Y0 *1
EX4200Y0-10	1	V0	28/07/2017	EX4200Y0 *1

Number	Sheet	Issue	Date	Title
EX4200Y0-11A	1	V3	01/09/2017	EX4200Y0 LED ROHS *1
EX4200Y0-15	1	V2	28/08/2017	Ø11.8XP-LED *1
EX4200Y0-17	1	V1	01/08/2017	EX4200Y0 *1
EX4200Y0-18	1	V2	27/11/2017	EX4200Y0 *1
EX4200Y0-19	1	V2	06/12/2017	EX4200Y0 *1
EX4200Y0-20	1	V1	12/12/2017	Ø13X1.3"0" *1
EX4200Y0-21	1	V1	12/12/2017	Ø6.5XØ2.5 *1
EX4201L0-02	1	V3	15/05/2018	EX4201L0 ROHS *1
EX4201L0-02A	1	V3	01/09/2017	EX4201L0 ROHS *1
EX4201L0-03	1	V1	26/01/2018	EX4201L0 ROHS *1
EX4201L0-03A	1	V3	10/08/2017	EX4201L0 ROHS *1
EX4201L0-04	1	V2	26/01/2018	EX4201L0 ROHS *1
EX4201L0-05	1 & 2	V0	03/02/2018	EX4201L0 1-shot *1
EX4201L0-07	1 & 2	V0	03/02/2018	EX4201L0 *1
EX4201L0-A	1	V1	05/06/2018	EX4201L0 exploded view assembly
EX4201L0-LA-01	1	V1	15/06/2018	2xAAA 1xXPG2 iL4 *1
EX5836Y0-01	1 & 2	V2	26/09/2017	EX5836Y0 2-shot mold *1
EX5836Y0-02	1	V2	05/12/2017	EX5836Y0 2-shot mold *1
EX5836Y0-04	1 & 2	V2	27/09/2017	EX5836Y0 2-shot mold *1
EX5836Y0-06	1	V0	04/08/2017	EX5836Y0 *1
EX5836Y0-07	1	V2	25/09/2017	EX5836Y0 *1
EX5836Y0-08	1	V2	04/08/2017	EX5836Y0 LED *1
EX5836Y0-09	1	V1	23/06/2016	EX5836Y0 LED heat sink
EX5836Y0-22A	1	V4	12/12/2017	EX5836Y0 *1
EX5836Y0-25	1	V0	19/01/2018	EX5836Y0 *1
EX5836Y0-26	1	V0	19/01/2018	M5X8 *1
EX5836Y0-28	1	V1	29/09/2017	Ø29x1.6"0" *1
EX5836Y0-29	1	V1	29/09/2017	Ø33x1.5"0" *1
EX5836Y0-30	1	V0	07/09/2017	Ø32x1.6"0" *1
EX5836Y0-31	1	V0	19/01/2018	EX5836Y0 3XAA *1
EX5836Y0-33	1	V0	22/12/2017	EX5836Y0 *1
EX5836Y0-34	1	V0	16/01/2018	EX5836Y0 3XAA *1
EX5836Y0-35	1	V0	16/01/2018	EX5836Y0 3XAA *1
EX5836Y0-B	1	V3	18/05/2018	3XAA battery box unit
EX5837-RY0-04	1	V0	07/08/2017	EX5837-RY0 18650 *1
EX5837-RY0-05	1	V0	07/08/2017	EX5837-RY0 18650 *1
EX5837-RY0-06	1	V0	07/08/2017	EX5837-RY0 18650 *1
EX5837-RY0-08	1	V0	07/08/2017	EX5837-RY0 18650 *1
EX5837-RY0-16	1	V2	14/06/2018	EX5837-RY0 *1
EX5837-RY0-16A	1	V0	13/09/2016	EX5837-RY0 *1
EX5838L0-03	1 & 2	V0	03/02/2018	EX5838L0 *1
EX5838L0-06	1	V3	26/01/2018	EX5838L0 *1

Number	Sheet	Issue	Date	Title
EX5838L0-06A	1	V2	12/12/2017	EX5838L0 *1
EX5838L0-07	1	V4	18/05/2018	EX5838L0 *1
EX5838L0-09	1	V0	03/02/2018	EX5838L0 (1-shot) *1
EX5838L0-10A	1	V0	08/01/2018	EX5838L0 *1
EX5838L0-A	1	V1	18/05/2018	iL7 exploded assembly drawing
EX5838L0-LA-01	1	V1	18/06/2018	3xAA 1XXPL iL7 *1
LL5606-RL0-11A	1	V0	31/12/2014	LL5606-RL0-11A
LL8303-RL0-20	1	V0	28/07/2017	LL8303-RL0 *1

Note - Dates shown above are the printed dates on the drawing, not "rubber stamp" dates.

Note *1 - Chinese characters not appearing here are shown as part of the drawing name

These drawings are held with IECEx BAS 17.0008 Issue 1, and some are common to Baseefa17ATEX01578 Issue 1.

Refer to report GB/BAS/ExTR17.0081/01 for the full cross referencing of drawings to certificates.