

Fig. 1 EN IEC 60079-17

IECEx Scheme Certification

Cert Number: IECEx BAS 06.0001

Models: R-50
Ex ia IIC T4 Gb IP67 / Ex ib IIB T200°C Db
Ex ib I Mb
Temperature Ambient: -40°C to +40°C

Models: R-55
Ex ia IIC T4 Ga IP67 / Ex ib IIB T200°C Db
Ex ia I Ma
Temperature Ambient: -40°C to +40°C

IEC Standards Applied:
IEC 60079-0:2017, IEC 60079-11:2011

Ingress Protection Level:
IP67 to IEC 60529:2001

Fig. 2

Fig. 3

Fig. 4

Fig. 5 **R-271**

- Must be packaged and transported according to applicable transport regulations
- Less than 100Wh capacity
- Complies with applicable shipping regulations:

UN
ADR
US CFR 49
IATA
ICAO
IMDG

Li ion

Fig. 6

Fig. 7

FUSE - DO NOT TAMPER

Fig. 8

Rechargeable R-287

Fig. 9

CAUTION HOT

R-50/R-55

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 14

Fig. 15

Fig. 16

R-50

TP-311 TP-318P Glass R-257 TP-343 TP-312 Photoluminescent TP-329P Polycarbonate (Zone 1) R-223 Zone 1 LED TP-448 R-291 R-287 R-243 R-271 R-620P TP-260

R-55

TP-311 TP-318P Glass R-257 R-337 TP-312 Photoluminescent R-225 Zone 0 LED TP-448 R-291 R-287 R-243 R-271 R-620P TP-260

Parts List

R-50

- TP-311 Lens Ring
- TP-318P Lens Glass
- TP-329P Polycarbonate Lens Zone 1 & 2
- TP-312 Photoluminescent Lens Ring
- R-257 Heat Sink LED Assembly
- R-223 R-50 Torch Body Assembly Zone 1 & 2
- TP-343 Clip Moulding Zone 1 & 2
- R-287 Cassette Assembly
- R-243 Cassette Circuit Half
- R-271 Battery Pack
- R-488P Lock Screw Cassette (pack of 2)
- TP-448 Base 'O' Ring
- R-291 End Cap Assembly
- TP-260 Wrist Strap & Ring
- R-620P Output Fuse
- R-640P Input Fuse (pack of 2)

R-55

- TP-311 Lens Ring
- TP-318P Lens Glass
- TP-312 Photoluminescent Lens Ring
- R-257 Heat Sink LED Assembly
- R-225 R-55 Torch Body Assembly Zone 0
- R-337 Clip Moulding Zone 0
- R-287 Cassette Assembly
- R-243 Cassette Circuit Half
- R-271 Battery Pack
- R-488P Lock Screw Cassette (pack of 2)
- TP-448 Base 'O' Ring
- R-291 End Cap Assembly
- TP-260 Wrist Strap & Ring
- R-620P Output Fuse
- R-640P Input Fuse (pack of 2)

UK Declaration of Conformity

UK CA 1180

The R-50 and R-55 meet all the statutory requirements of the Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016/1107 as amended by UKSI 2019/696 by virtue of the issued UKEX type examination certificate, demonstrating compliance with all relevant designated standards and essential health and safety requirements.

Approval codes:
R-50 I M2/II 20 Ex ia IIC / Ma / IIC T4 Gb IP67 (-40°C to +40°C)
R-55 I M1/II 1G Ex ia IIC / Ma / IIC T4 Ga IP67 (-40°C to +40°C)

Approval Body: S05 Baseefa Ltd, Rockhead Business Park, Staden Lane, Buxton, SK17 9RZ, UK.
Approval body number: 1180.
UK Type examination certificate: BAS21UKEX0438
Designated Standards Applied
EN IEC 60079-0:2018, EN 60079-11:2012

The R-50 & R-55 with RC-200 or RC-212 also meet all the statutory requirements of the EMC Regulations 2016, UKSI 2016/1091 and the Electrical Equipment (Safety) Regulations 2014, UKSI 2016/1091 as amended by UKSI 2019/696 to the following designated EMC standards BS EN 55032:2015 +A11:2020, BS EN 55035:2017 +A11:2020, BS EN IEC 61000-3-2:2019 and BS EN 61000-3-3:2013+A1:2019 and the following designated electrical safety standard BS EN 62368-1:2014.

The R-50, R-55 with RC-200 or RC-212 and RC-300 Mains adaptor is compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, UKSI 2012/3032 to the designated standard EN IEC 63000:2018.

This declaration is issued under the sole responsibility of Wolf Safety Lamp Company.

Alex Jackson - Managing Director
Wolf Safety Lamp Company
Sheffield, S8 0YA, UK
Dated 01 March 2023

RC-200

Parts List

- RC-438P Charger Screw
- RC-342 Charger Base Plate
- RC-450 Socket and Cable
- RC-240 Charger Arm Assembly
- R-640P Input Fuse (Pack of 2)
- RC-420 Circuit Board Assembly [RC-200]
- RC-250 Charger Body Assembly [RC-200]

RC-212

Parts List

- RC-438P Charger Screw
- RC-342 Charger Base Plate
- RC-450 Socket and Cable
- RC-240 Charger Arm Assembly
- R-640P Input Fuse (Pack of 2)
- RC-412 Circuit Board Assembly [RC-212]
- RC-260 Charger Body Assembly [RC-212]

Fig. 17

RC-200 12-24V DC

RC-212 12V DC ONLY

GB Wolf Rechargeable Torch Range Operation and Maintenance Instructions Please retain - read before use

EU Declaration of Conformity

The R-50 and R-55 meet all relevant provisions of the 2014/26/EU Explosive Atmospheres (ATEX) Equipment Directive by virtue of the issued EU type examination certificate, demonstrating compliance with all relevant harmonised standards and essential health and safety requirements.

Wolf Rechargeable Torches are self contained safety torches with 3W LED light sources, moulded in high impact strength plastic and powered by a Lithium Ion battery pack. The R-50 is approved as Group I, M2 equipment for mining applications, Group I, Category 2 equipment for use in zone 1 & 2 potentially explosive gases, vapours and mists where the T4 temperature class permits and zone 2 & 22 potentially explosive dusts where the T200°C maximum surface temperature and IIB dust group permits.

The R-55 is approved as Group I, M1 equipment for mining applications and Group I, Category 1 equipment for use in zone 0, 1 & 2 potentially explosive gases, vapours and mists where the T4 temperature class permits and Group I, category 2 equipment for use in zone 21 & 22 potentially explosive dusts where the T200°C maximum surface temperature and IIB dust group permits.

Caution - If fitting Polycarbonate lens, check Ex atmospheres for compatibility.

Approval Codes/Certification:
R-50 Zone 1, 21 I M2/II 20 Ex ia / Ma / IIC T4 Gb (-40°C to +40°C)
R-55 Zone 0, 21 I M1/II 1G Ex ia / Ma / IIC T4 Ga (-40°C to +40°C)
 I 20 Ex ib IIB T200°C Db IP67

Notified Body:
S05 FIMKO OY P.O. Box 30
[Särkännentie 3] 00211 HELSINKI, Finland.
Notified body number: 0598

EU Type examination certificate: Baseefa05ATEX0069

Harmonised standards applied:
EN IEC 60079-0:2018, EN 60079-11:2012
Ingress protection level: IP67 to EN 60529:1992

The R-50, R-55 with RC-200 or RC-212 is compliant with the 2014/26/EU EMC Directive and 2014/53/EU Low Voltage Directive by the following harmonised EMC standards EN 55032:2015 +A11:2020, EN 55035:2017 +A11:2020, EN IEC 61000-3-2:2019 and EN 61000-3-3:2013+A1:2019 and the following harmonised LVD standards EN 62368-1:2014.

The R-50, R-55 with RC-200 or RC-212 and RC-300 Mains adaptor is compliant with the 2014/53/EU Low Voltage Directive by the harmonised standard EN IEC 63000:2018.

This declaration is issued under the sole responsibility of Wolf Safety Lamp Company.

Alex Jackson - Managing Director
Wolf Safety Lamp Company Ltd.
Sheffield, S8 0YA, UK
Dated 01 March 2023

Use of the Wolf Rechargeable Torch

A damaged Wolf Rechargeable torch should be repaired in accordance with these instructions, before putting back into service.

Photobiological safety to EN 62471:2008

Risk Group 2

CAUTION: Possible hazardous optical radiation emitted from this product DO NOT stare at operating lamp.
May be harmful to the eye.

PRECAUTIONS: See Figs. 1, 2, 3, 4, 5, 6, 7 & 15

Before use: Charge for 3 hours minimum.
Ensure torch lens ring and end cap are fully tight at all times. (Fig. 3)
Duration in High Power mode = 3.5 hours
Duration in Low Power mode = 4.5 hours

Deep Discharge Protection: Circuitry will automatically switch the torch off once the battery reaches a pre-determined low voltage.

Low Voltage Protection: The torch must be re-charged before further use.

Emergency Lighting Mode: The emergency lighting function switches the torch on when a power failure to the charger occurs.

The torch must be placed in the charger switched 'ON'.

Lens Replacement: (Fig. 8)

Fuse Replacement: (Figs. 6 & 7)

Cleaning: Use a mild soap and water and soft brush only. Do not immerse.

Storage: Do not store torch or battery below -20°C.

If torch fails to light on:

Indication on charge shows top and bottom indicators only:

- Ensure torch lens ring and end cap are fully tight at all times (Fig. 3)
- Place on charge check for indication, remove and switch on.
- Clean charge rivets, check end cap is fully tightened.
- Remove cassette (Fig. 6), inspect contacts, test continuity of the fuses, replace as required (competent personnel only) (Fig. 7).
- Re-fit cassette, re-vent (A) and switch on.

The R-271 Battery: utilises a two cell Lithium Ion system with a life of up to 500 full charge/discharge cycles (to 70% original capacity), and incorporates an integral encapsulated battery protection circuit.

Charge Indication: (Fig. 14), Charger Connection Options: (Fig. 17)

Warning RC-452: risk of short circuit if polarity incorrect. (See Fig. 17)

Peak Current (during 3hrs charge period) = 1.5A
Peak Current (standby - fully charged) = 0.05A
Peak Current (no torch in charger) = 0.03A
Output Voltage does not exceed 14V (13.0-14V)

Warning:

USE ONLY WOLF CHARGERS WITH THESE PRODUCTS (AS SHOWN IN FIG. 17) USE ONLY WOLF GENUINE REPLACEMENT PARTS.

Disposal of Waste Material

Disposal should be carried out to local applicable regulations.

The Wolf Safety Lamp Co. Ltd has a policy of continuous product improvement. Changes in design details may be made without prior notice.

Repairs only to be carried out by competent persons

ATEX RECHARGEABLE TORCH

R-50 and R-55

ATEX UKEX and IECEx certified for explosive atmospheres

Operation and Maintenance Instructions

GB
FR
DE
IT
UK
NL
BE
RUS
J
POL

Lampe torche rechargeable Wolf

Modo d'emploi et d'entretien

À lire et revenir avant toute utilisation

Déclaration de conformité UE

Les lampes R-50 et R-55 sont conformes à toutes les exigences de la directive 2014/53/UE sur les équipements radiofoniques (RTE) en ce qui concerne les certificats d'examen publiés par la UE. Elle répond aux exigences relatives aux normes de compatibilité électromagnétique et aux normes essentielles en matière de santé et de sécurité.

Les lampes torches rechargeables Wolf sont des lampes utilisant des piles rechargeables au lithium-ion. Elles sont conçues pour être résistantes aux impacts et alimenter pendant une batterie lithium-ion. Elles sont conçues pour être branchées au chargeur et régler sur "ON".

Remplacement de la lampe: (Fig. 6 et Fig. 7).

Entretien: Utilisez un chiffon humide et un léger savon doux pour nettoyer la lampe. Évitez d'utiliser des produits abrasifs.

Stockage: Évitez de conserver la lampe ou sa batterie à moins de -20°C.

Autres informations: Les lampes torches rechargeables Wolf sont conformes à toutes les exigences de la directive 2014/53/UE sur les équipements radiofoniques (RTE) en ce qui concerne les certificats d'examen publiés par la UE. Elle répond aux exigences relatives aux normes de compatibilité électromagnétique et aux normes essentielles en matière de santé et de sécurité.

Rechargeable Wolf

R-50 Zone 1, 21                                                                                      