

Fig. 1

EN IEC 60079-17

IECEX Scheme Certification

Ex ia I Ma
Ex ia IIC T4 Ga IP67
Ex ib IIB T185°C Db
XT-75 Zone 0/21 Handlamp
[Spot and Flood]
Temperature ambient:
-30°C to +40°C

Ex ib I Mb
Ex ib IIC T4 Gb IP67
Ex ib IIB T185°C Db
XT-50 Zone 1/21 Handlamp
[Spot]
XT-70 Zone 1/21 Handlamp
[Spot and Flood]
XT-90* Zone 1/21 Handlamp
[Spot, Flood and Signal]
Temperature ambient
-30°C to +40°C

Cert No. IECEX BAS 09.0153

IEC Standards Applied:
IEC 60079-0:2017,
IEC 60079-11:2011,
Ingress Protection Level:
IP67 to IEC 60529:2001

* XT-90 refers to all lamps in the XT-90 series numbered XT-91, XT-92 & XT-93 etc.

Fig. 2

Li ion

UN
ADR
US CFR 49
ATA
ICAO
IMDG

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

Fig. 3

2.5mm Allen Key

Fig. 4

Fig. 5

Fig. 6

CAUTION
HOT

XT-210
XT-220
XT- for XT-90

Fig. 7

XT-50

XT-70
XT-75
XT-90

Fig. 8

XT-50 100% 4h 50% 8h
XT-70 100% 7.5h 50% 15h
XT-75 100% 11h 50% 22h
XT-90 100% 12h 50% 15h
S 12h
S 15h
F >24h

Fig. 9

<25°C
>10°C

XT-50 3.5h
XT-70/75 4h
XT-90 4h

Fig. 10

XT-200L Quick Charger
RC-452 DC Vehicle Cable
12/24V DC
24V

XT-200H Quick Charger
RC-300 Mains Adaptor
90 – 264V AC
@ 50 – 60 Hz

XT-200K Quick Charger
RC-300 Mains Adaptor
90 – 264V AC
@ 50 – 60 Hz
RC-454 DC Vehicle Cigarette Cable
12/24V DC
24V

UK Declaration of Conformity

The XT Handlamp meets all the relevant provisions of the 2014/54/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.

Approval codes:
XT-50, XT-70 & XT-90* I M2/II G Ex ib IIC T4 Gb IP67 II 2D Ex ib IIB T185°C Db (-30°C <T<+40°C)
XT-75 I M1/II G Ex ia IIC T4 Ga IP67 II 2D Ex ib IIB T185°C Db (-30°C <T<+40°C)

EU Type examination certificate: **BaseefaATEX0234**

Harmonised Standards Applied EN IEC 60079-0:2018, EN 60079-11:2012
The XT-50, XT-70, XT-75 & XT-90 with XT-200 is also compliant with the 2014/30/EU EMC Directive to the following harmonised EMC standards BS EN 61000-6-3:2007+A1:2011 and BS EN 61000-6-2:2005 and comply with the requirements of the motor vehicle harmonised standard BS EN 50498:2010.

The RC-300 Mains Adaptor (Fig 10) is compliant with the 2014/30/EU EMC Directive and 2014/35/EU Low Voltage Directive to the following harmonised 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 harmonised LVD standard BS EN 62368-1:2014.

The XT-50, XT-70, XT-75 & XT-90 with XT-200 and RC-300 Mains adaptor is compliant with the 2011/65/EU RoHS Directive to the harmonised standard EN IEC 63000:2018.

The XT handlamp therefore meet the UK requirements for the UKCA "Fast Track" process permitting UKCA marking.

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

Alex Jackson – Managing Director
Wolf Safety Lamp Company
Sheffield, S8 0FA, UK
Dated 01 March 2020

* XT-90 refers to all lamps in the XT-90 series numbered XT-91, XT-92 & XT-93 etc.

Fig. 11

Fig. 12

Parts List

Description	Pt. No.
Charger Body Assembly	XT-281
Latch Mechanism	XT-282
Charger Circuit Assembly	XT-452
Spare Charger Fuse 2.5A	XT-225
Screw Kit	XT-283

Fig. 9

<25°C
>10°C

XT-50 3.5h
XT-70/75 4h
XT-90 4h

Parts List

Description	Model
Glass Lens [standard]	XT-484
Polycarbonate Lens [option]	XT-494
Lens Seal	XT-348
Switch Kit	XT-232
Lamp Stand	XT-410
Lanyard	H-35SB
Head Assembly	XT-210
Battery Pack	XT-202
Body Assembly	XT-235

EU Declaration of Conformity

The WolfLite XT Handlamp meets all relevant provisions of the 2014/54/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.

The WolfLite XT Handlamp is a self-contained safety lamp using high power LED light sources, powered by a rechargeable Li-ion battery pack, moulded in high impact strength plastic and approved as follows:
XT-50, XT-70 & XT-90 Handlamps are Group I, M2 equipment for mining applications and Group II, Category 2 equipment for use in zone 1 & 2 potentially explosive gases, vapours and mists, where the T4 temperature class permits, and Group II, Category 2 equipment for use in zone 21 & 22 potentially explosive dusts, where the T185°C maximum surface temperature and IIB dust group permits.

Approval Code: I M2/II G Ex ib IIC T4 Gb IP67 II 2D Ex ib IIB T185°C Db (-30°C <T<+40°C)

The XT-75 Handlamp is Group I, M2 equipment for mining applications and Group II, Category 2 equipment for use in zone 1 & 2 potentially explosive gases, vapours and mists, where the T4 temperature class permits, and Group II, Category 2 equipment for use in zone 21 & 22 potentially explosive dusts, where the T185°C maximum surface temperature and IIB dust group permits.

Approval Code: I M1/II G Ex ia IIC T4 Ga IP67 II 2D Ex ib IIB T185°C Db (-30°C <T<+40°C)

Notified Body: SGS FMKD OY, P.O. Box 30 (Särkiniementie 3) 02211 HELSINKI, Finland.
Notified body number: 0508

EU Type examination certificate: **BaseefaATEX0234**

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

The XT-50, XT-70, XT-75 & XT-90 with XT-200 are compliant with the 2014/30/EU EMC Directive to the following harmonised EMC standards BS EN 61000-6-3:2007+A1:2011 and BS EN 61000-6-2:2005 and comply with the requirements of the motor vehicle harmonised standard BS EN 50498:2010.

The RC-300 Mains Adaptor (Fig 10) is compliant with the 2014/30/EU EMC Directive and 2014/35/EU Low Voltage Directive to the following harmonised 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 harmonised LVD standard BS EN 62368-1:2014.

The XT-50, XT-70, XT-75 & XT-90 with XT-200 and RC-300 Mains adaptor is compliant with the 2011/65/EU RoHS Directive to 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 0FA, UK
Dated 01 March 2020

Use of the WolfLite XT Handlamp
A damaged Wolf Rechargeable Handlamp should be repaired in accordance with these instructions, before being put back into service.

Notes:
i) Ensure Lens Ring is tightened and that lens and approval plates are present and undamaged prior to use.
ii) XT-90 refers to all lamps in the XT-90 series numbered XT-91, XT-92 & XT-93 etc in flashing (F) or static (S).
iii) Storage of Handlamps is not recommended below -20°C as this will impact battery life.

Photobiological safety to EN 62471:2008

XT Rechargeable Handlamp Risk Group 2
CAUTION: Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eye.

Fig. 10

XT-200L Quick Charger
RC-452 DC Vehicle Cable
12/24V DC
24V

XT-200H Quick Charger
RC-300 Mains Adaptor
90 – 264V AC
@ 50 – 60 Hz

XT-200K Quick Charger
RC-300 Mains Adaptor
90 – 264V AC
@ 50 – 60 Hz
RC-454 DC Vehicle Cigarette Cable
12/24V DC
24V

UK Declaration of Conformity

The XT Handlamp meets all the relevant provisions of the 2014/54/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.

Approval codes:
XT-50, XT-70 & XT-90* I M2/II G Ex ib IIC T4 Gb IP67 II 2D Ex ib IIB T185°C Db (-30°C <T<+40°C)
XT-75 I M1/II G Ex ia IIC T4 Ga IP67 II 2D Ex ib IIB T185°C Db (-30°C <T<+40°C)

EU Type examination certificate: **BaseefaATEX0234**

Harmonised Standards Applied EN IEC 60079-0:2018, EN 60079-11:2012
The XT-50, XT-70, XT-75 & XT-90 with XT-200 is also compliant with the 2014/30/EU EMC Directive to the following harmonised EMC standards BS EN 61000-6-3:2007+A1:2011 and BS EN 61000-6-2:2005 and comply with the requirements of the motor vehicle harmonised standard BS EN 50498:2010.

The RC-300 Mains Adaptor (Fig 10) is compliant with the 2014/30/EU EMC Directive and 2014/35/EU Low Voltage Directive to the following harmonised 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 harmonised LVD standard BS EN 62368-1:2014.

The XT-50, XT-70, XT-75 & XT-90 with XT-200 and RC-300 Mains adaptor is compliant with the 2011/65/EU RoHS Directive to the harmonised standard EN IEC 63000:2018.

The XT handlamp therefore meet the UK requirements for the UKCA "Fast Track" process permitting UKCA marking.

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Alex Jackson – Managing Director
Wolf Safety Lamp Company
Sheffield, S8 0FA, UK
Dated 01 March 2020

* XT-90 refers to all lamps in the XT-90 series numbered XT-91, XT-92 & XT-93 etc.

Fig. 11

Fig. 12

Parts List

Description	Pt. No.
Charger Body Assembly	XT-281
Latch Mechanism	XT-282
Charger Circuit Assembly	XT-452
Spare Charger Fuse 2.5A	XT-225
Screw Kit	XT-283

WolfLite XT Rechargeable Handlamp Range Operation and Maintenance Instructions. Please retain – read before use

EU Declaration of Conformity

The WolfLite XT Handlamp meets all relevant provisions of the 2014/54/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.

The WolfLite XT Handlamp is a self-contained safety lamp using high power LED light sources, powered by a rechargeable Li-ion battery pack, moulded in high impact strength plastic and approved as follows:
XT-50, XT-70 & XT-90 Handlamps are Group I, M2 equipment for mining applications and Group II, Category 2 equipment for use in zone 1 & 2 potentially explosive gases, vapours and mists, where the T4 temperature class permits, and Group II, Category 2 equipment for use in zone 21 & 22 potentially explosive dusts, where the T185°C maximum surface temperature and IIB dust group permits.

Approval Code: I M2/II G Ex ib IIC T4 Gb IP67 II 2D Ex ib IIB T185°C Db (-30°C <T<+40°C)

The XT-75 Handlamp is Group I, M2 equipment for mining applications and Group II, Category 2 equipment for use in zone 1 & 2 potentially explosive gases, vapours and mists, where the T4 temperature class permits, and Group II, Category 2 equipment for use in zone 21 & 22 potentially explosive dusts, where the T185°C maximum surface temperature and IIB dust group permits.

Approval Code: I M1/II G Ex ia IIC T4 Ga IP67 II 2D Ex ib IIB T185°C Db (-30°C <T<+40°C)

Notified Body: SGS FMKD OY, P.O. Box 30 (Särkiniementie 3) 02211 HELSINKI, Finland.
Notified body number: 0508

EU Type examination certificate: **BaseefaATEX0234**

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

The XT-50, XT-70, XT-75 & XT-90 with XT-200 are compliant with the 2014/30/EU EMC Directive to the following harmonised EMC standards BS EN 61000-6-3:2007+A1:2011 and BS EN 61000-6-2:2005 and comply with the requirements of the motor vehicle harmonised standard BS EN 50498:2010.

The RC-300 Mains Adaptor (Fig 10) is compliant with the 2014/30/EU EMC Directive and 2014/35/EU Low Voltage Directive to the following harmonised 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 harmonised LVD standard BS EN 62368-1:2014.

The XT-50, XT-70, XT-75 & XT-90 with XT-200 and RC-300 Mains adaptor is compliant with the 2011/65/EU RoHS Directive to the harmonised standard EN IEC 63000:2018.

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Alex Jackson – Managing Director
Wolf Safety Lamp Company Ltd.
Sheffield, S8 0FA, UK
Dated 01 March 2020

Use of the WolfLite XT Handlamp
A damaged Wolf Rechargeable Handlamp should be repaired in accordance with these instructions, before being put back into service.

Notes:
i) Ensure Lens Ring is tightened and that lens and approval plates are present and undamaged prior to use.
ii) XT-90 refers to all lamps in the XT-90 series numbered XT-91, XT-92 & XT-93 etc in flashing (F) or static (S).
iii) Storage of Handlamps is not recommended below -20°C as this will impact battery life.

Photobiological safety to EN 62471:2008

XT Rechargeable Handlamp Risk Group 2
CAUTION: Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eye.

XT-50

H-35SB
XT-232 [Switch kit]

XT-210

XT-484
XT-348

XT-202

XT-235

XT-70

H-35SB
XT-232 [Switch kit]

XT-220

XT-484
XT-348

XT-204

XT-410

XT-237

XT-90

H-35SB
XT-232 [Switch kit]

XT-206

XT-410

XT-75

H-35SB
XT-232 [Switch kit]

XT-204

XT-410

XT-238

WOLFLITE XT

RECHARGEABLE HANDLAMP

ATEX, UKEX and IECEX certified for explosive atmospheres
Operation and Maintenance Instructions

XT-50 Spot Beam Handlamp, Zone 1/21
XT-70 Spot/Flood Beam Handlamp, Zone 1/21
XT-90 Spot/Flood/Signal Beam Handlamp, Zone 1/21
XT-75 Spot/Flood Beam Handlamp, Zone 0/21

- ATEX, UKEX and IECEX Approved for explosive gas and dust atmospheres
- Ultra bright high power LED light
- Compact and balanced ergonomic design
- Spot and flood switchable beam version available
- Lithium Ion Battery technology with integrated battery management and protection
- Battery power indicator
- Low battery warning
- IP67 water and dust tight enclosure
- Single handed switching with high power and powersave
- Integral stand for hands free beam direction, fitted on XT-70, 75 and XT-90 models
- Stand-by power failure mode
- Mains and Vehicle 'Snap in' – 'Snatch out' Quick charger
- Very low maintenance

CE 0598 UK CA IECEX R

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