

ATEX Torch

Zones: 1, 2, 21 and 22



Product Overview

The ATEX Safety Torch is a reliable, simple and cost effective portable light and is available with a straight or right-angle body style and vacuum, halagon or xenon bulbs and is CE marked to the ATEX directive and IECEx certified for safe use in Zones 1 and 2 potentially explosive gas, vapour and mist atmosphere, where a T6 or T4 class permits, and Zones 21 and 22 dust atmospheres, with certified maximum surface temperatures of 65°C or 95°C.

T4 models give outstanding light output using advanced, long life halogen or xenon bulbs, set in a high quality parabolic reflector, coupled with alkaline cell approval, giving up to 12 hours of light output. The T4+ halogen models are fitted with a low power warning circuit, illuminating a red indicator when battery voltage is low. Alternatively T6 allows use in any Zone 1 or 2 atmospheres, with optimum light output in this temperature class, and a 5 hour duration.

The compact torch design has a high-grip ergonomic form with easy single-handed switching, even with gloved hands. The torch body offers high strength, and proven impact resistance even at sub zero temperatures, using carefully selected thermoplastic resins with excellent chemical resistance. Additionally, the rubber armoured lens ring and end cap give enhanced grip and shock protection. The shatterproof polycarbonate lens has a scratch and chemical resistant coating.

The torch is sealed dust tight and protected from water immersion, with a certified IP67 enclosure. Right angle models incorporate a replaceable high strength thermoplastic belt clip for hands free use. Both models allow straightforward battery and bulb replacement, a spare bulb is fitted in the bulbholder for quick and convenient replacement. All models are supplied with wrist straps and clip rings.



Features & Benefits

- T6 and T4 models
- Simple, robust design
- Ultimate halogen light output
- High energy alkaline cell certified
- ATEX explosive gas and dust approval
- IECEx Scheme certified
- Low power indicator option

Certifications



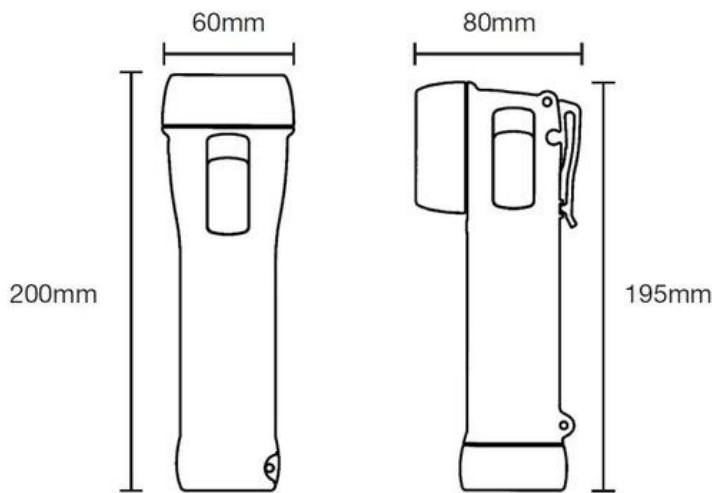
Technical Specification

| Product Reference | | TS-26 | TR-26 | TS-24 | TR-24 | TS-24+ | TR-24+ |
|------------------------|-----------|---|---------|---|---------|-------------------------|---------------------|
| Product Description | | Safety Torch, Primary Cell Powered, Straight or Right-Angle | | | | | |
| | | Straight | R/Angle | Straight | R/Angle | Straight + Indicator | R/Angle + Indicator |
| Code | ATEX | II 2 GD Ex e ib IIC T6 Gb Ex tD A21 IP67 T65°C Db | | II 2 GD Ex e ib IIC T4 (Ta = 40/55°C) Gb Ex tD A21 IP67 T95°C (Ta = 55°C) Db | | | |
| | IECEX | - | | Ex e ib I/IIC T4 IP67/Ex tD A21 T95 | | | |
| Type of Protection | | Increased safety, intrinsic safety | | | | | |
| Area of Class (Gas) | | Zones 1 & 2 Gas Groups IIA, IIB IIC | | | | | |
| Max Surface Temp (Gas) | | T6 | | T4 | | | |
| Ambient Temp. (Gas) | | -20°C to +40°C | | -20°C to +40°C/+55°C | | | |
| Area of Class (Dust) | | Zones 21 and 22 | | | | | |
| Temp. Class (Dust) | | 65°C | | 95°C | | | |
| Ambient Temp. (Dust) | | -20°C to +40°C | | -20°C to +55°C | | | |
| Certificate | | BAS02ATEX2220X - IECEX TSA 05.0017X | | | | | |
| Enclosure | | Impact Resistant Thermoplastic, Electrostatic Non-hazardous | | | | | |
| Lens | | Polycarbonate, Impact Resistant with Hard Coat | | | | | |
| Beam Type | | Medium Spot | | | | | |
| Light Source: | Part No. | TP-406 | | TP-404 | | TP-402 | |
| | Bulb Type | Vacuum Filament | | Xenon Filled Filament | | Halogen Filled Filament | |
| | Rating | 2.4V, 0.5A | | 2.4V, 0.7A | | 2.4V, 0.83A | |
| | Output | 11.4 lm (at nom voltage) | | 16 lm (at nom voltage) | | 23 lm (at nom voltage) | |
| | Life | 15 hrs | | 50 hrs | | 30 hrs | |
| | Spare | TP-406 | | TP-404 | | TP-404 | |
| Power Source: | Part No. | 2 x T-20 (R20) | | 2 x H-20 (LR20) | | | |
| | | | | | | | |

| | Type | R20 Primary Cells to IEC60086 | | R20/LR20 Primary Cells to IEC60086 | | | |
|------------------------|-------|--|------|------------------------------------|------|--------------|------|
| | Volts | 2 x 1.5v | | 2 x 1.5v | | | |
| Light Duration | | Up to 5 hrs | | Up to 12 hrs | | Up to 10 hrs | |
| Ingress Protection | | IP67 | | | | | |
| Weight (excl. cells) | | 150g | 190g | 150g | 190g | 150g | 190g |
| Weight (inc. cells) | | 350g | 390g | 450g | 490g | 450g | 490g |
| NATO Codified Versions | | <ul style="list-style-type: none">■ TR-24+MOD: NATO Stock No. 6230-99-259-6285 superseded by ATEX Safety Torch with LED TR-30+MOD. Spares are available for the TR-24+MOD.■ TR-24BMOD: Right Angled Torch Body (Xenon Filled Filament Bulb) Black 'Aircrew' Torch Body (Allows the use of coloured filters, masking any light that could leak through the back of the torch) - NATO Stock No: 6230-99-426-4033.■ TP-290MOD: NVG (Night Vision Goggle) Compatible Filter for TR-24BMOD - NATO Stock No: 5A/6230-99-160-4590. | | | | | |

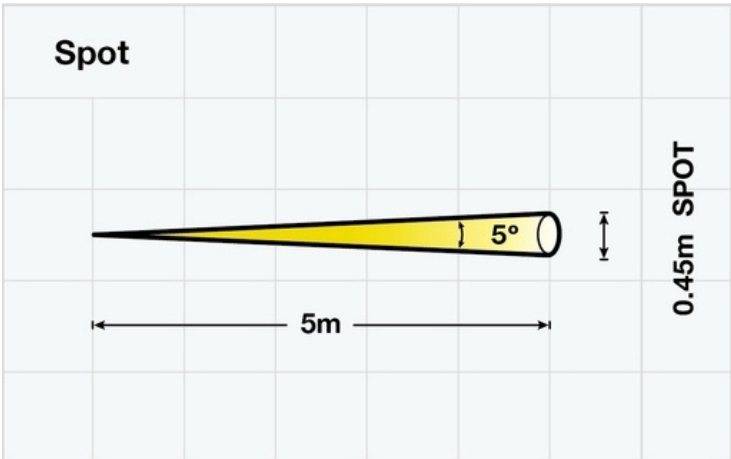
- All information has been gathered under laboratory conditions, the user must regard the values given as approximate.
- Changes may be made to the above specification without notification, details are available on request.

Product Dimensions



Light Output

- **TS-26 & TR-26** - 1.2W Beam (approx 5°) - Peak luminous intensity at 5m **170lux**
- **TS-24 & TR-24** - 1.7W Beam (approx 5°) - Peak luminous intensity at 5m **230lux**
- **TS-24+ & TR-24+** - 2.0W Beam (approx 5°) - Peak luminous intensity at 5m **280lux**



Version: SL013 Issue 6