

# ATEX Compact Safety LED Torch

Zones: 0 and 21



## Product Overview

**The NEW TR-65 is a compact, lightweight, right angle ATEX Zone 0 Torch for use in the most demanding hazardous area workplaces.**

With a market leading 300 lumens emitted from the torch, the new TR-65 has 3 power modes, is lightweight, compact and robust. Reliable, durable and easy to use and carry, it is ideal for use in the most demanding work places.

Its 3 power modes offer maximum choice and flexibility. The highest power setting gives a class leading light output of 300 lumens. Medium power supplies a very useable light output for nearby illumination with an increased duration of up to 14 hours. On the lowest power setting, the torch provides a useful light to be seen by which will last for up to a staggering 159 hours.

The beam pattern is specifically designed for the optimum combination of spot and fringe light; perfect for viewing into the distance whilst providing enough nearby light to ensure safety from obstacles close at hand.

When the battery level falls to 15% of its maximum level, the battery charge indicator will flash and the beam will be interrupted momentarily once every 5 seconds, clearly alerting the user and ensuring they need never be left in the dark.

Strong and robust, the TR-65 is made from impact and chemical resistant thermoplastic – the same tried and tested super tough material used on Wolf hazardous area torches for nearly 2 decades. The lens is made from toughened glass.

Ergonomically designed for comfort in use, it's large switch is easy to operate, even when wearing gloves. Two integral lanyard fixings allow the torch to be securely attached to a tunic, tool belt or bag.

A flatter back increases stability and a highly robust polymer clip keeps the torch firmly fixed in place, though it can be detached quickly if required and will 'give' if the user gets snagged on an obstacle.

## Features & Benefits

- Light output/duration/power:
  - 300 lumens emitted
  - Duration at different power levels: 7/14/159 hours
  - 4 x AA alkaline primary cells
  - 3 power modes for different light output
  - Balanced spot and fringe optics
- Certification:
  - ATEX/IECEx Zone 0
  - T4 temperature class
  - IP66 and IP67 water and dust tight
- Features
  - Battery level indicator
  - Beam dip for last 15% of battery life
  - Robust, reliable and proven materials
  - Ergonomic design
  - Compact and lightweight
  - Large switch (easy to use even when wearing gloves)
  - Deep discharge protection
  - Robust polymer clip
  - Two lanyard fixings - one at each end of the torch
  - Easy maintenance, spare parts available
  - Flat torch back increases stability

## Certifications



0598

Spare parts are readily available to enable users to replace the LED module, lens, clip, end cap, cassette or circuit if required.

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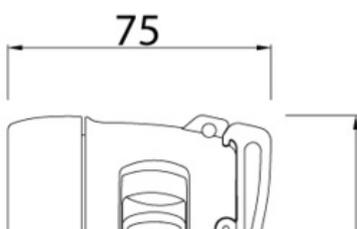
# Technical Specification

<b>Product Reference</b>		<b>TR-65</b>
<b>Product Description</b>		ATEX Right Angle Zone 0 Compact Safety LED Torch
<b>Code</b>		I M1/II 1G Ex ia I Ma/IIC T3/T4 Ga II 2D Ex ib IIIB T200°C Db
<b>Type of Protection</b>		'ia' intrinsic safety
<b>Area of Classification (Gas)</b>		Zones 0, 1 & 2  Gas Groups IIA, IIB IIC
<b>Temperature Class (Gas)</b>		T4 + T3 (depending on cells)
<b>Area of Classification (Dust)</b>		Zones 21 & 22  Dust Groups IIIA and IIIB
<b>Max. Surface Temp. (Dust)</b>		T200°C
<b>Ambient Temperature</b>		-30°C to +40°C
<b>Certificate</b>		ATEX Baseefa11ATEX0236  IECEx BAS 11.0116
<b>Enclosure</b>		Impact Resistant Thermoplastic, Chemical Resistant.
<b>Base + Lens Ring</b>		Shock Absorbing Elastomer
<b>Lens</b>		Toughened Glass
<b>Beam Type</b>		Spot with Fringe
<b>Light Source:</b>	<b>Type</b>	High Power LED
	<b>Output</b>	High Power 300lm, Medium Power 150lm, Low Power 30lm
	<b>Life</b>	10,000+ hrs
<b>Power Source:</b>	<b>Part No.</b>	4 x AA cells (LR6)
	<b>Type</b>	4 x LR6 Primary Cells to IEC 60086
	<b>Volts</b>	4 x 1.5v

Low Battery Indicator	Red LED	Yes
	Low Battery Beam Dip	Yes
Low Volt Cut Off		Yes
Light Duration		Up to 7.0 hrs / 14 hrs/159 hours
Ingress Protection		IP66 + IP67
Weight (inc. cells)		330g

- 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

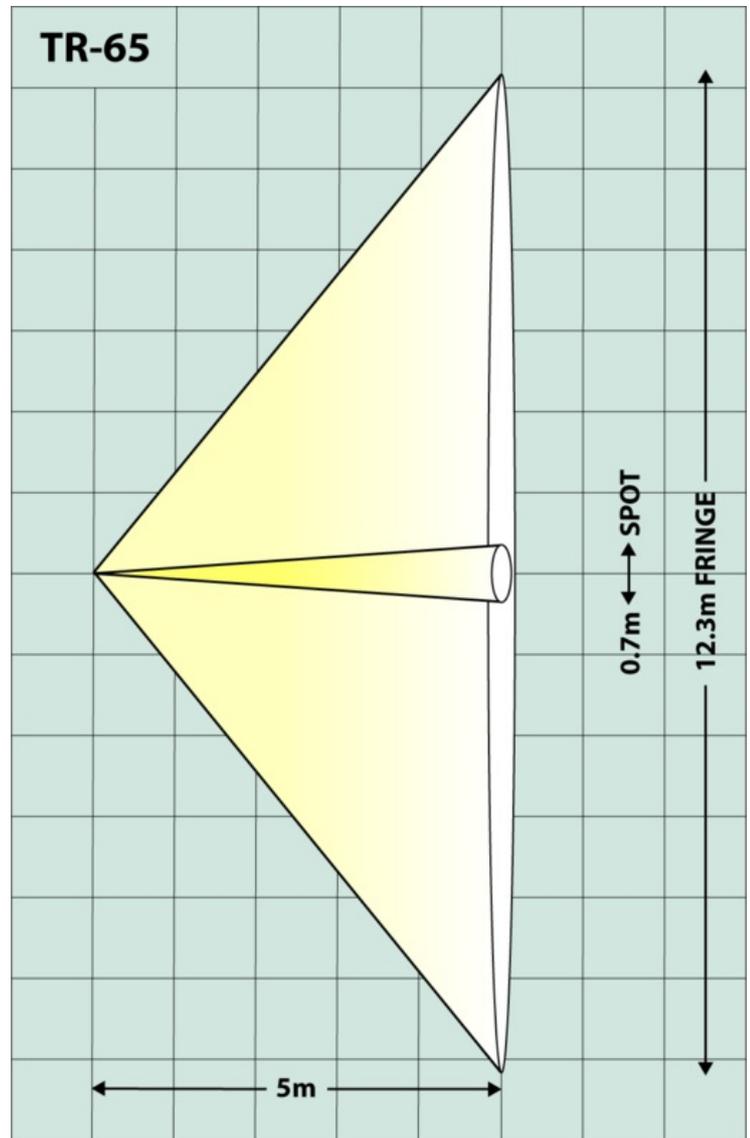
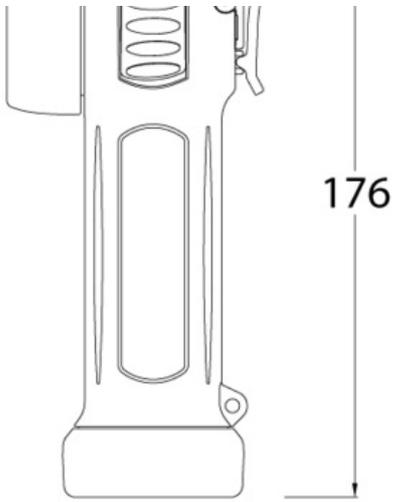


## Light Output

**TR-65:** 300 lumens Spot Beam (approx 8°) with extra wide angle flood of fringe light (approx 102°).

Peak luminous intensity, high power at 1m **17,303 lux**, at 5m **692 lux**

Peak luminous intensity, 'powersave' at 1m **1,148 lux**, at 5m **46 lux**



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