

ATEX Compact Safety LED Torch

Zones: 0, 1 and 21



Product Overview

The NEW TR-65 (Zones 0, 1, 2, 21 & 22) and TR-60 (1, 2, 21 & 22) are compact, lightweight, right angle Torches 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 (battery charge indicator only on TR-65 model), and the beam will be interrupted momentarily once every 5 seconds (both TR-60 and TR-65 models), clearly alerting the user and ensuring they need never be left in the dark.

Strong and robust, both models are 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

Features & Benefits

- Light output/duration/power:
 - 300 lumens emitted (TR-65)/200 lumens (TR-60)
 - Duration at different power levels: 7/14/159 hours (TR-65)/Up to 12 hours (TR-60)
 - 4 x AA alkaline primary cells
 - 3 power modes (TR-65); single mode (TR-60)
 - Balanced spot and fringe optics
- Certification:
 - ATEX/IECEx Zone 0 (TR-65)/Zone 1 (TR-60)
 - T4 temperature class
 - IP66 and IP67 water and dust tight
- Features
 - Battery level indicator (TR-65)
 - Beam dip for last 15% of battery life (TR-65 and TR-60)
 - 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



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.

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

The TR-60 is an economical and very viable alternative to the TR-65. Certified for use in Zone 1, it emits 200 lumens from a single setting, has a 12 hour battery duration and is fitted with a polycarbonate lens. It shares the same robust materials and construction as the TR-65.

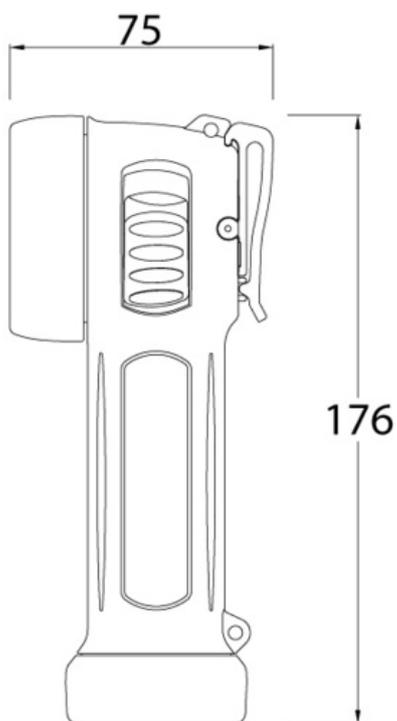
Technical Specification

Product Reference		TR-60	TR-65
Product Description		ATEX Right Angle Zone 1 Compact Torch	ATEX Right Angle Zone 0 Compact Safety LED Torch
Code		I M2/II 2GD Ex ib I Mb/IIC T3/T4 Gb Ex ib IIIB T200°C Db	I M1/II 1G Ex ia I Ma/IIC T3/T4 Ga II 2D Ex ib IIIB T200°C Db
Type of Protection		'ib' intrinsic safety	'ia' intrinsic safety
Area of Classification (Gas)		Zones 1 & 2 Gas Groups IIA, IIB IIC	Zones 0, 1 & 2 Gas Groups IIA, IIB IIC
Temperature Class (Gas)		T4 + T3 (depending on cells)	
Area of Classification (Dust)		Zones 21 & 22 Dust Groups IIIA and IIIB	
Max. Surface Temp. (Dust)		T200°C	
Ambient Temperature		-30°C to +40°C	
Certificate		ATEX Baseefa11ATEX0236 IECEX BAS 11.0116	
Enclosure		Impact Resistant Thermoplastic, Chemical Resistant.	
Base + Lens Ring		Shock Absorbing Elastomer	
Lens		Polycarbonate	Toughened Glass
Beam Type		Spot with Fringe	
Light Source:	Type	High Power LED	
	Output	200lm	High Power 300lm / Medium Power 150lm / Low Power 30lm
	Life	10,000+ hrs	
Power Source:	Part No.	4 x AA cells (LR6)	
	Type	4 x LR6 Primary Cells to IEC 60086	

	Volts	4 x 1.5v	
Low Battery Indicator	Red LED	No	Yes
	Low Battery Beam Dip	Yes	
Low Volt Cut Off		Yes	
Light Duration		Up to 12 hours	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

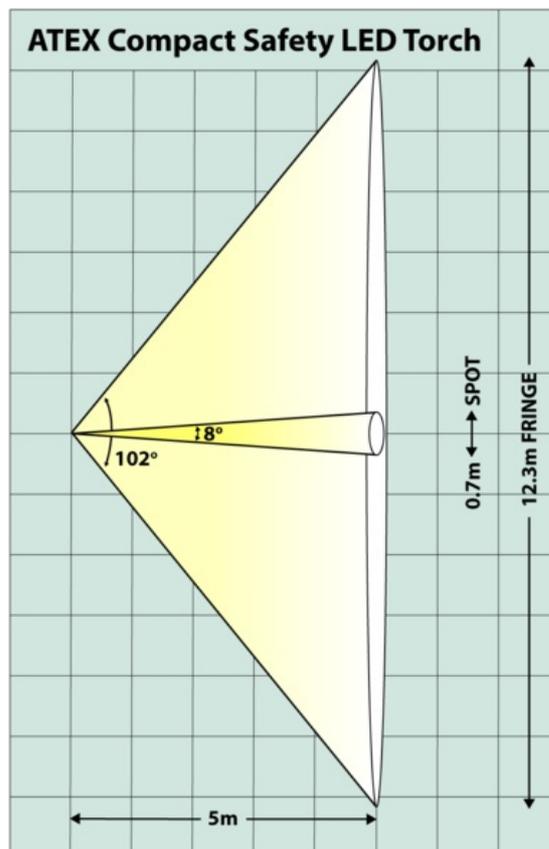


Light Output

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, low power at 1m **1,148 lux**, at 5m **46 lux**





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