

ATEX TURBOLITE

A-TL44A, A-TL44B A-TL45A & A-TL45B ZONES 1 2 21 22



WITHOUT COMPROMISE

PRODUCT INFORMATION

The ATEX Turbolite is a high power compressed air driven lamp for use in potentially explosive atmospheres and meets EN 1127 'explosion prevention and protection' in Europe, offering a safe alternative to mains and low powered lighting solutions.

Up to 9000 lm output

360° Bay Light version

250 watt Halogen light output

Compressed air powered, safe lighting alternative to mains or low voltage solutions

Variety of accessories available including mounting tripod

Aluminium or Brass enclosures available

LIGHT OUTPUT/DURATION/POWER

- 6000 / 9000 lm output depending on air pressure (5.0 - 8.0 bar)
- 250 watt Halogen light output
- 360° bay or flood light beam options available

CERTIFICATION

- CE marked to ATEX Directive, for use in zones 1 and 2 Hazardous Areas
- Dust ignition protected for zones 21 and 22 using remote exhaust
- Group I Mining approval with alternative brass construction
- Once pressurised may be used underwater* (view technical table for full ingress protection information)

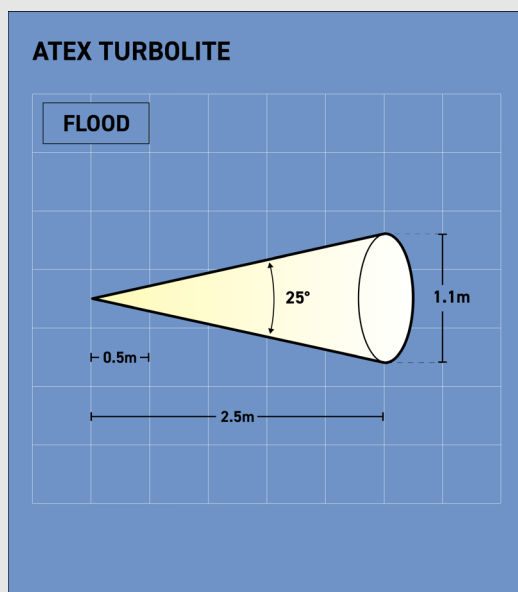
FEATURES

- Aluminium super-lightweight construction
- Safe compressed air power source
- Re-designed for greater reliability
- Fitted with stainless steel exhaust silencer
- Range of accessories available
- Safe alternative to mains and low power lighting solutions where explosive atmospheres present a serious risk to the workforce



TECHNICAL INFORMATION

LIGHT OUTPUT DIAGRAM



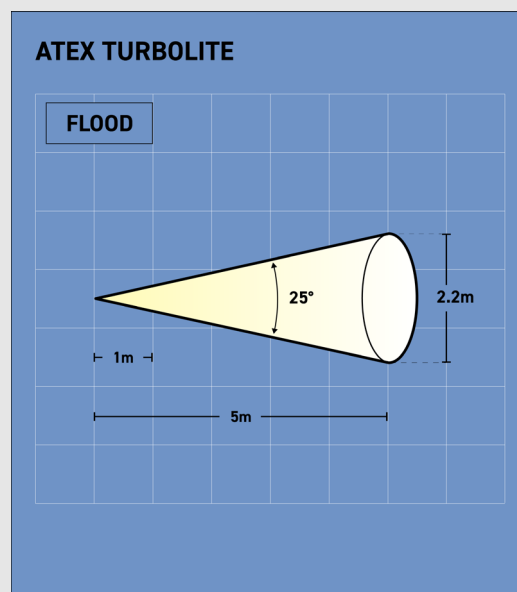
A-TL44A/B - Ball Glass

Peak luminous intensity at 2.5m **70lux**

A-TL45A/B - Matt Reflector

Flood Beam (**approx 25°**)

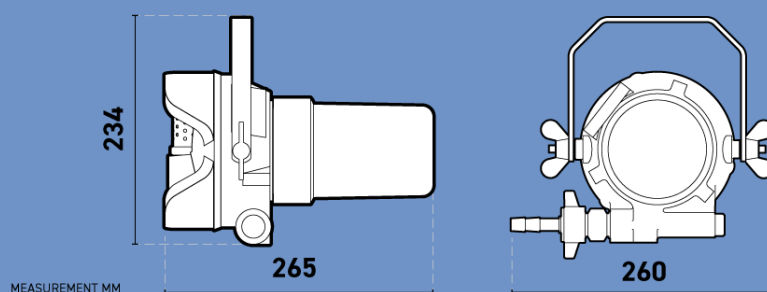
Peak luminous intensity at 5m **950lux**



PRODUCT DIMENSIONS

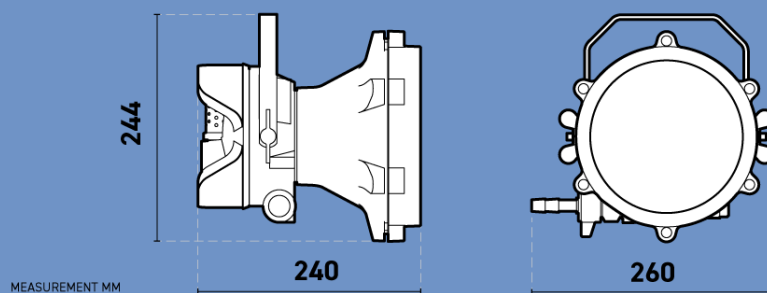
ATEX TURBOLITE - BAY

A-TL44A, A-TL44B



ATEX TURBOLITE - FLOOD

A-TL45A, A-TL45B



ATEX TURBOLITE

PRODUCT REFERENCE		A-TL44A	A-TL44B	A-TL45A	A-TL45B
PRODUCT DESCRIPTION		Safety Flood Light, Compressed Air Powered			
CODE	ATEX	II 2 GD II T4 (Tamb = 55°C) T135°C			
	MINING	-	I M2	-	I M2
APPARATUS STANDARDS		EN1127-1: 2011			
TYPE OF PROTECTION		Technical File			
AREA OF CLASSIFICATION (GAS)		Zones 1 and 2, Gas Groups IIA, IIB, IIC			
TEMPERATURE CLASS (GAS)		T4			
AREA OF CLASSIFICATION (DUST)		Zones 21 and 22			
MAX. SURFACE TEMP. (DUST)		T135°C			
AMBIENT TEMPERATURE		-20°C to +40°C			
CERTIFICATE	ATEX	CML18ATEX9374X			
ENCLOSURE		Aluminium	Brass	Aluminium	Brass
LENS		Lens Ball Glass/Plastic Dome		Toughened Glass (15mm)	
BEAM TYPE		All-around 360°C Illumination		Flood	
LIGHT SOURCE	PART CODE	A-129 (as standard) / A-159 (alternative)			
	TYPE	Halogen Filled Filament Bulb			
	VOLTS	24v			
	WATTS	250w			
	OUTPUT	6000 lm / 9000 lm			
	LIFE	2000 hrs / 200 hrs			
POWER SOURCE	TYPE	Compressed Air Driven Turbo-alternator			
	AIR PRESSURE	5.0-8.0 bar			
	CONSUMPTION	0.75m³/min			
INGRESS PROTECTION		Once pressurised may be used underwater. When using under water always start lamp before submersing and ensure lamp is running until removed from water, an additional accessory can be fitted allow an exhaust hose to be fitted to either have the exhaust air away from the lamps or piped to the surface. Depth of use limitations to be considered regarding water pressure.			
WEIGHT		5.5kg	9.4kg	7.1kg	13.5kg

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.



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