



WOLF AIRTURBO LAMPS



- **Safe Compressed Air Power**
- **Reversed Air Safety Feature**
- **Pressurised and Purged System**
- **55 Watt Long-life Halogen Bulb**
- **Economical 0.25m³/min Consumption**
- **Interchangeable Bay/Reflector Heads**
- **Wolf - The Best Name in Airlamps**

Wolf Airturbo A-0444
55w with ball glass for all round illumination
Peak luminous intensity at 8ft/2.5m radius 2lux

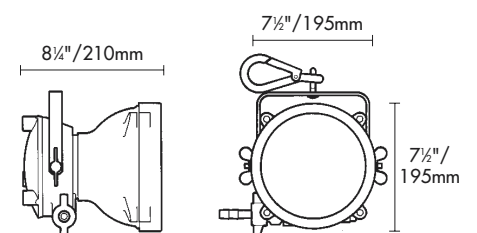
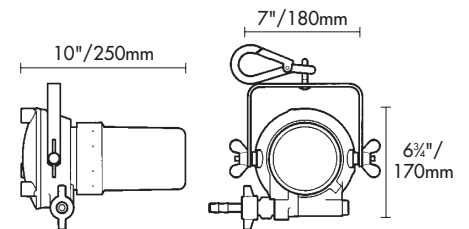
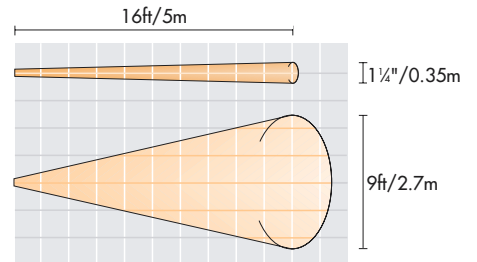
Wolf Airturbo A-0445
55w with polished reflector spot beam (approx 4°)
Peak luminous intensity at 16ft/5m 900lux

Wolf Airturbo A-0445
55w with matt reflector flood beam (approx 30°)
Peak luminous intensity at 16ft/5m 40lux



A-0444

A-0445



The Wolf Airturbo lamp is the longest established Wolf product still in manufacture today, although it has been upgraded many times over the years. Originally used in the Coal Mining Industry to meet the rigorous requirements of underground explosion proof lighting, it is now BASEEFA certified for use in zones 1 and 2 industrial hazardous areas. Today applications are in the Oil and Petrochemicals Industries, for tank cleaning and pipeline inspections, offering a safer alternative to low voltage lighting in dangerously wet conditions or in flammable gases and vapours. Once connected to a suitable air supply, continuous output of high quality general illumination is produced, even under water.

Airturbo Lamp A-0444 is fitted with a Bay Light type Head to the generator providing all round illumination when the lamp is suspended above the work area. The moulded well glass containing the bulb is surrounded by a protective polycarbonate dome.

Airturbo Lamp A-0445 provides a flood beam giving a well diffused 30° angle of light with the standard matt reflector, or with a polished reflector, a highly concentrated spot light. The lamp now has a ½"/15mm toughened glass lens for higher impact strength and pressure resistance.

The lamp housings are spark free cast brass with a forged brass safety hook, all nickel plated. The generator

is a compressed air driven turbo-alternator of simple design and robust construction. A gun metal impulse turbine wheel produces the energy to power the 12v 55w Tungsten Halogen bulb.

A clean dry air supply is a condition of certification and essential for the efficient running of these lamps. Deposits of dirt on the inside of the lens will adversely affect the level of illumination, but if needed, suitable air-line filters can be supplied with the lamps. Another mandatory requirement of safe use is anti-static hose, designed to avoid a dangerous build up of static electricity.

The Airturbo lamp has many inherent safety features recognised in the BASEEFA Approval; an effectively pressurised and purged system, a protective curtain of air from the exhaust ports, instant cut-off of the lamp if the lens is broken and cooling of heat generating components.

All the lamps are run in, tested and set to the necessary output prior to despatch, full maintenance instructions and lock keys are supplied with every Airturbo unit. In-house training on the maintenance and repair of air lamps is available.

Airturbo Compressed Air Powered Safety Lamps Technical Specification		
Product reference	A-0444	A-0445
Product description	Safety bay lamp, compressed air powered	Safety flood lamp, compressed air powered
Code	Ex s II T6	
Apparatus standard	SFA 3009:1972	
Type of protection	"s" special protection	
Area of classification	Zones 1 and 2, gas groups IIA, IIB and IIC	
Temp. classification	T6	
Ambient temperature	-20°C to +40°C	
Certification	BASEEFA Certificate No. Ex 78209X*	
Enclosure	Nickel plated brass and gun-metal	
Lens	Ball glass/plastic dome	Toughened glass (15mm)
Beam type	All-around 360° illumination	Flood (as standard) or spot to order
Light source:	Pt. no.	A-1130
	Type	Tungsten halogen filament bulb
	Volts	12v
	Watts	55w
	Output	1000lm (at 12v)
	Life	1000hrs (at 12v)
Power source:	Type	Compressed air driven turbo-alternator
	Air pressure	60-115 psi/4.0-8.0 bar
	Consumption	9cuft min/0.25m³ min
Ingress protection	Once pressurised, may be used under water	
Weight	18lb/8.2kg	27½lb/12.5kg
*Special certification conditions	A clean, dry air supply must be used. Supply hose must be anti-static.	

SAFETY LAMP OF HOUSTON, INC.
1816 Rotary Drive, Humble, Texas 77338. U.S.A.
Telephone: +1 281 964 1019 Facsimile: +1 281 964 1040
Email: safetylampofhouston@prodigy.net Website: www.safetylampofhouston.com

