

Innovation that Saves

SCHAUENBURG AIRGLO AIRLIGHT

PURPOSE-BUILT ILLUMINATION FOR THE UNDERGROUND RSA MINING ENVIRONMENT

The Airglo Light is a robust, compressed-air-powered lighting solution engineered specifically for the harsh and confined conditions of South African underground mines. Designed to integrate seamlessly with existing underground air infrastructure, it enables rapid deployment of reliable illumination without the need for electrical power sources or specialised installation skills. By simply connecting the unit to a central compressed-air supply, multiple working areas can be illuminated efficiently and safely.



ADVANTAGES

- No special skills are needed to install the Airglo Airlight.
- The unit can be used on its own or in series and is built for durability.
- It is suitable for Refuge Bays, Stopes, Haulages, and Medical Stations.
- Airglo Airlight promotes injury-free areas by identifying unsafe conditions in stopping environments, enabling immediate corrective action for enhanced safety.



SCHAUENBURG
Systems

www.schauenburg.co.za

HOW IT ENHANCES UNDERGROUND OPERATIONS

Underground environments in RSA mining operations frequently struggle with inadequate lighting, electrical infrastructure limitations, and safety risks arising from low visibility. The Airglo Airlight directly addresses these challenges by providing:

1 Safe, Non-Electrical Illumination

Its air-driven generator eliminates reliance on underground electrical networks, reducing risks associated with electrical faults, cable damage, or power interruptions. This is especially valuable in temporary, high-risk, or remote mining sections.

2 Rapid, Skill-Free Deployment

The fully enclosed, high-rev air motor and compact design allow the unit to be installed quickly, individually or in series, without specialist training. This supports fast operational readiness in dynamic mining areas such as stopes, haulages, refuge bays, and medical stations.

3 Improved Visibility and Hazard Detection

With a 1600-lumen LED output, the Air Glo Light enhances visibility in critical work zones, enabling teams to identify unsafe conditions and take immediate corrective action. This directly contributes to creating safer, injury-free working environments in stopping and development sections.

4 Durability for Harsh Conditions

The unit's rugged construction and fully enclosed design ensure reliable performance in dusty, humid, and vibration-intensive underground environments. Its low air consumption (3 CFM) and compact size (270 mm length, 70 mm diameter) make it practical for widespread deployment across the mine.

EASY INSTALLATION

The Airglo Airlight is designed to be utilised with the existing air infrastructure underground. By connecting the Airglo Airlights to a central air supply, it is possible to provide illumination to multiple work areas throughout the mine.

TECHNICAL DATA

Operation	2 – 6 Bar	Weight	2,77Kg
Air Driven Generator	12Volt DC Motor	Length	270mm
Power Source	Compressed Air	Diameter	70mm
Air Consumption	3CFM	Lumens	1600
High Rev Air Motor		Light Type	LED
Fully Enclosed		Watt	28
5 Meter Hose			

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