

CASE STUDY

CLIENT

Siphumelele 1 Shaft - Rustenburg

PROJECT

Drakensberg Low Profile LED Lights

MANUFACTURING

Afrison manufactured the following luminaire:

- Product used: 40W Drakensberg Low Profiles
- Special modifications: E27 mount modification
- Manufacturer's Warranty: 5 years
- Average lead time from order to shipment: 2 weeks

INTRODUCTION

The Siphumelele mine is one of the largest platinum mines located in Rustenburg, North-West, South Africa. The mine is owned and operated by Sibanye Stillwater. With a massive number of luminaires used underground Afrison's solution would ensure that all safety requirements have been met as per the new DMR (Department of mineral resources) regulations regarding the required lux levels. This was the main concern for the mine as they have regular light level audits.

CONSULTATION & DESIGN

The current prismatic globes installed do not reach the required lux levels as per the updated DMR regulations and due to the redundant old technology and supply issues with the prismatic E27 luminaire the mine decided to take the initiative and switch over to a more sustainable solution. Afrison provided an application specific luminaire (the Drakensberg 40W low profile) with a custom E27 mount to retrofit the existing lighting cables. A detailed lighting design was also provided to ensure all lux levels would comply with the DMR standards

SUPPORT

As this is an ongoing project, Afrison continuously updates our distributor on current and pending manufacturing lead-times to ensure that all deadlines are met. Every luminaire is marked with a unique serial number to maintain proper traceability and to ensure, should a luminaire fail, due to the harsh environment, the repair process can be done swiftly. All luminaires also come with a QR code with the complete technical and installation instructions, making it easy for Sibanye's qualified installers to install the products. The Afrison Business Developer and Technical Department is on constant remote standby to update designs and consult on the project on all phases.



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