



**FIRST
NATIONAL
BATTERY™**

THROUGH CARING WE LEAD

Li-ion Maintenance Free Miners' Caplamp



TECHNOLOGY

Complies With:
SANS 1438
DME Approved



This new lamp is the definitive paradigm shift in the Miner's Cap Lamp evolution – from wood chips to space age LED lighting.

TC 1 AND TC2 FEATURES AND BENEFITS:

- Patented optic design
- Auxiliary light
- Full RFID capability
- Impact resistant bezel guard
- Intrinsically safe
- Internal bezel ring
- Safe Lithium Ion technology
- Legendary FNB rugged design
- 30% smaller
- 60% Lighter
- Will last 30% longer

APPLICATIONS:

- Underground mining
- Security, telecommunications, electricity, water and sewerage maintenance
- Ambulance, fire-fighting and other emergency services
- Motor vehicle breakdown utilities
- Recreation i.e. fishing, camping, caravanning
- Emergency lighting in the home

FEATURE	UNIT	VALUE	
Nominal Voltage	Volt	3.7	
Rated Capacity	Amp hour	7.0	
Operating Times, Light Only, Fully Charged Battery	Hours	24	
• Main Light Only	Hours	52	
• Auxiliary Light Only			
Peaklight Output Levels	Candela	> 6 000	
• Main Light	Candela	> 2 400	
• Auxiliary Light			
Current draw	mA	250	
• Main Light	mA	120	
• Auxiliary Light			
Battery Design Life @ 25°C	Cycles	800 – 1 000	
Battery Recharge Time (from 90% discharged)	Hours	10 max	
LED Design Life	Hours	50 000	
Operating Temperature Range	Celsius	0° - 50°	
Protection	Ex ia I/IIC T4		
		Model TC1	Model TC2
Lamp Weights (Excluding Auxiliary Devices)	gm.	620	690
Battery Dimensions:			
• Length	mm	70	110
• Width	mm	51	54
• Height	mm	108	108
Head Piece and Cable Weight	gm.	305	
Cable Length	mm	1 600	

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