



TECHNICAL SPECIFICATIONS

Title:	Booyco Cap Lamp c/w Intelligent Tag & Buzzer Unit	
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1 Purpose of document

This document serves as the technical sheet for the Booyco Cap lamp.

2 Revision Control

Revision Date	Revision Number	Comments

Table 1: Revision Control Table

3 Definitions

Abbreviation	Definition
ABS	Acrylonitrile butadiene styrene
IS	Intrinsically Safe
LED	Light Emitting Diode
LUX	Lumen per square meter

Table 2: Definition Table

4 Overview

The Booyco Cap lamp is used for hard rock and IS mines. This cap lamp can also be used for indoor industrial use.



Figure 1: Booyco Cap Lamp

5 Features

- Water Resistant
- Shock Resistant
- Antiflame
- Total Weight 618 g
- Material ABS colour opaque
- Cable Length 1.42 m
- Standard: SANS 1438
- DMR Approval Number PN139

6 Luminosity

Parameter	Specification
LED	CREE CHIP
LED Qty	1 Primary LED, 2 Secondary LEDs
Primary Light Autonomy	32 Hours
Secondary Light Autonomy	120 Hours
LUX	8500LUX 6500 LUX after 30Hours
Secondary Light Automatic Switch On	Yes
Beam spread	Narrow Beam

Table 3: Luminosity Specifications

7 Battery

Parameter	Specification
Type	LiFePO4
Charge Time	14 Hours
Discharge Time	> 35 Hours
Charge Voltage	5.0 V – 6.7 V
Operating Temperature	0°C - + 40°C
Storage Temperature	0°C – 40°C
Lifespan	Up to 1200 Cycles
Battery Charge Indicator	Yes
Rated Voltage	3.2V
Rated Capacity	90000 mAh

Table 4: Battery Specifications