

I.S. WiFi/BLE Cordless Cap Lamp

The Intrinsically Safe WiFi/BLE cordless cap lamp is designed to enable the following Mine IoT Solutions for underground coal and hardrock mines:

- Personnel, Vehicle and Asset Tracking and Emergency/Evacuation
- Personnel Sign-In, Sign-Out and/or Assignment of Assets
- IoT Device and Data Management with Solution Customisation

Technical Features



WiFi 802.11 b/g/n



Bluetooth V4.2, BLE



UHF 860 - 960 MHz RFID can be integrated into tracking, registration and access control systems



13.56 MHz for use with your Kiosk, Digital Tagboard and Inventory solutions



IMU for your movement data collection and personnel safety applications



Cap Lamp Features



Three operating modes – Main, High-Beam, Auxiliary



Adjustable beam angle to point wherever you look



Lightweight, comfortable and ergonomic



Rugged casing made from GERMAN FRAS material for rough handling & wide ambient temperature range



World's safest and most reliable Panasonic battery



Made from Top Brand, high quality components and parts

Product Specifications



IP Rating - IP67

Submersible in water up to 1m for 30min



Illumination

5000 Lx Main Mode
8000 Lx High-Beam Mode



Charging Time

9 h



Running Time

14 h Main Mode



Weight

160 g

Certifications



Certifications:

- Certificate #: IECEx TSA 19.0008
- Ex Marking: Ex ia op is I Ma IEC 60079-35-1

Standard #:

- IEC 60079-0
- IEC 60079-11
- IEC 60079-28
- IEC 60079-35-1



FCC ID:

2BDKT4EWB



ICASA ID:

TA-2023/3422



CE



RCM

Integration Specifications

MQTT Compatible

API Available

LED Flashing Modes
Configurable

Running Time/Brightness
Configurable

Charging Banks for 8/35/53 Cap Lamps



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