

# SPECIFICATION SHEET

## Lighting Products



**KOSTO**  
BUILT STRONG • BÂTI SOLIDE

### Headlamp for Miner's Hard Hat with 1 LED Light and 6 LED Emergency Lights

#### ALK200

##### Certification

- UL 153:2014 R7.18
- CSA C22.2 No. 250.4-14

##### Materiel

- Sealed ABS case

##### Main Features

- Sealed battery case for short-circuit protection
- LED bulb is place in an anti-static housing which makes it explosion-proof
- An automatic power-off device preserves the LED bulb which has a lifespan of 100,000 hours.
- Works with rechargeable "Li-ion" battery (included)
- Continuous use time of 15 hours



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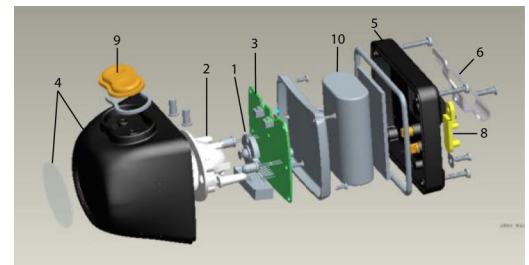
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### Features

| Features                                        | Technical specifications                                               |
|-------------------------------------------------|------------------------------------------------------------------------|
| • Rated capacity                                | • 4.5Ah (Li-ion battery)                                               |
| • Rated voltage                                 | • 3.7V                                                                 |
| • Continuous discharging time                   | • >15h                                                                 |
| <b>Main LED bulb:</b>                           |                                                                        |
| • Working voltage                               | • 3.2V                                                                 |
| • Working current                               | • 0.35A                                                                |
| • Power                                         | • 1W                                                                   |
| • Luminous flux                                 | • >60Lm                                                                |
| • Lamp lighting degree (distance of 1m or 3.3') | • >3000Lux (at starting time )<br>• >2000Lux (after 11 working hours ) |
| • Main LED usage life hour                      | • >30 000 h                                                            |
| • Weight                                        | • <215g                                                                |
| • Emergency LEDs usage life hour                | • 100000h                                                              |
| • Short circuit protect time                    | • <15ms                                                                |
| • Usage duration of battery (recharges)         | • 1000 recharges (in reasonable working condition)                     |
| • Charging time                                 | • < 6 heures                                                           |
| • Charging voltage and current                  | • 5V@1A                                                                |

### Related products - Replacement parts

| Piece #  | Code   | Description                                   |
|----------|--------|-----------------------------------------------|
| #1 #2 #3 | ALK203 | LED lightbulb and PCBA control with reflector |
| #4       | ALK204 | Replacement lens cover                        |
| #5       | ALK215 | Replacement back cover                        |
| #6       | ALK212 | 70-degree bracket replacement                 |
| #8       | ALK208 | Charger outlet protector                      |
| #9       | ALK209 | Button protector                              |
| #10      | ALK220 | Replacement battery                           |
|          | ALK211 | Replacement charger                           |
|          | ALK207 | 1m replacement strap                          |
|          | ALK213 | 1.45-meter replacement strap                  |



### Related products - Docking Stations

| Code # | Description                                                   |
|--------|---------------------------------------------------------------|
| ALK216 | Docking station for 16 miner's headlamps                      |
| ALK250 | Docking station for 48 miner's headlamps                      |
| ALK280 | Docking station for 80 miner's headlamps with doors and locks |
| ALK296 | Docking station for 96 miner's headlamp                       |

ALK216



ALK250



ALK296



ALK280

