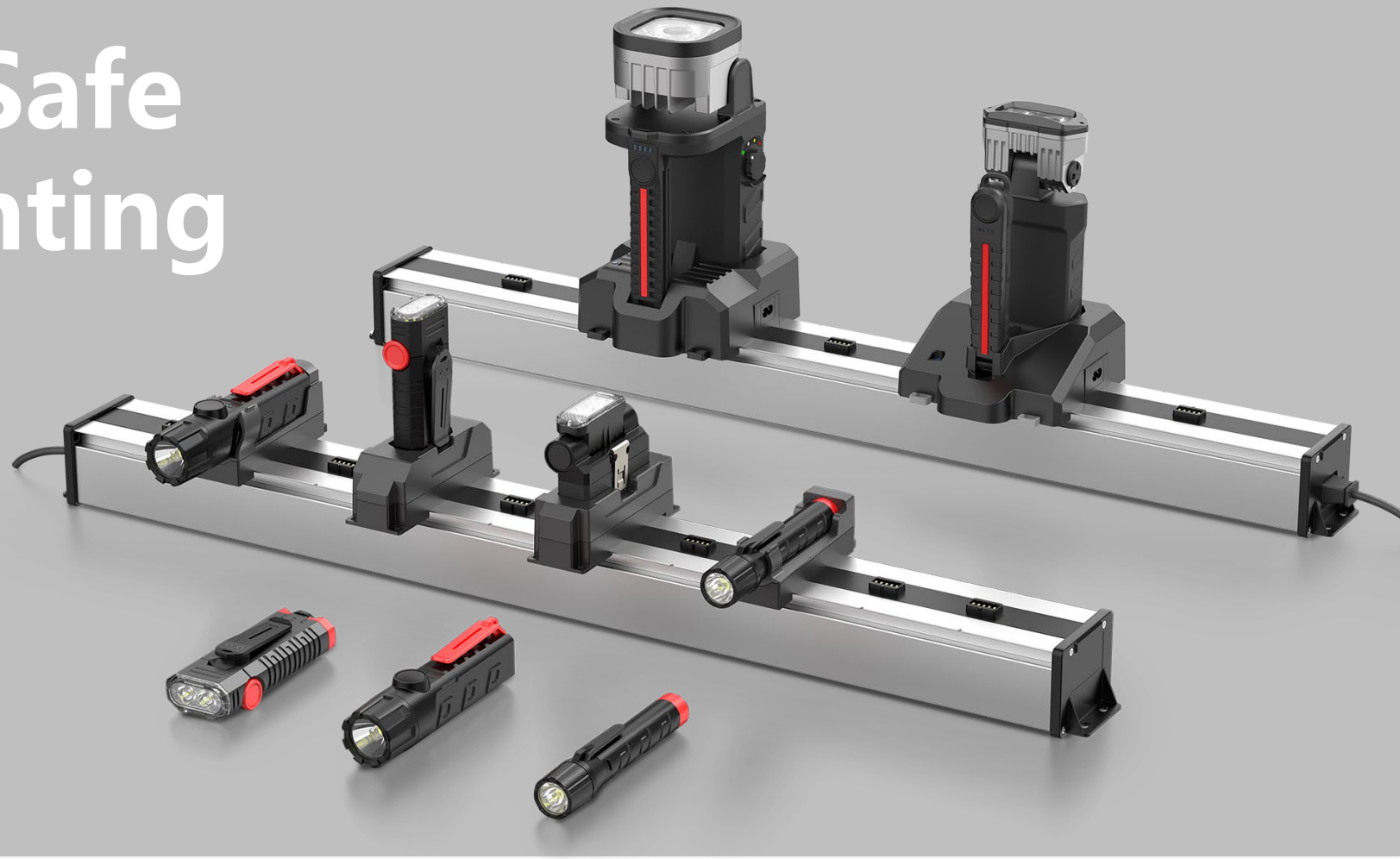
Intrinsically Safe Portable Lighting



GOALTEK

Portfolio Introduction

GOALTEK

ATEX Flashlight



ExMP21N



ExMP31N



ExMP32N



ExMP21R



ExMP31R



ExMP32R

ATEX Hand lamps



ExMP51R



ExMP52R

ATEX Headtorch



ExMP61R-1
1 battery pack



ExMP61R-2
2 Battery pack

N：Alkaline battery　R：Rechargeable

Portfolio Competitive Highlights

GOALTEK

1

High Performance Nylon



2

Latest International Ex-proof Standards & Regulations



3

Integrated Charging System



4

Constant Current Source Design



5

Modular & Standard Design



6

Comprehensive Lifecycle Design



Top Explosion-proof Design For Safety

High level

- Intrinsically safe explosion-proof circuit design
- Not become an explosion ignition source under normal, faulty or rare conditions
- Avoid danger from the original source

High safety

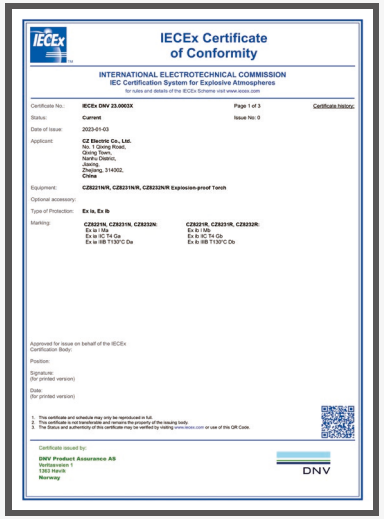
Suitable for explosive environments up to Class I, Class II Zone 0/1/2 and Class III Zone 21/22

Multi-application

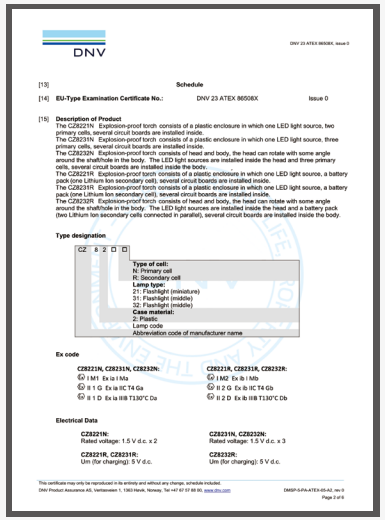
Applicable to coal mining, petroleum, chemical industry, railway, power grid, public security, fire protection, metallurgy, textile, papermaking and other industries

High standard

Passed ATEX and IECEx dual certification from DNV


IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres


DNV

Schedule

[14] EU-Type Examination Certificate No.: DNV 23 ATEX 86508X Issue 0

[15] Description of Product

Type designation

Ex code

Electrical Data

SAFELY LIGHTEN EACH AND EVERYDAY

High Performance Material For Excellence

Flammability & Heat Resistance

Passed UL94 test, ensuring high heat resistance and strong dimensional stability; safe for long-term use in high-temperature environments.

Anti-Static Properties

Shell eliminates static electricity, reducing the risk of electric sparks and enhancing safety in hazardous operations.

Chemical Resistance

Corrosion-resistant, oil-resistant, and aging-resistant; effective against a wide range of chemicals.

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Constant Output For Reliability

Constant Current Output Circuit Design

Design Based on the pragmatic lighting needs of industrial maintenance

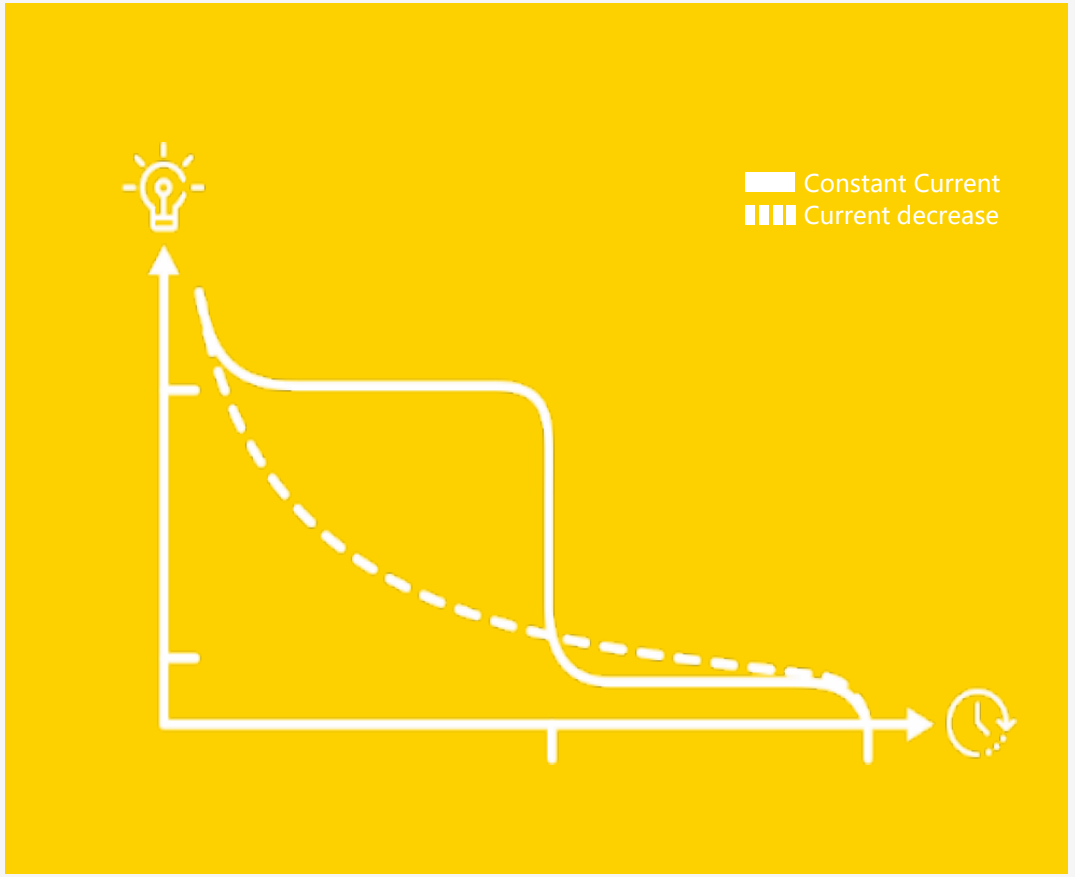
Improved Safety
Minimizes risks by ensuring safe operation in hazardous environment

Stable Performance
Provides consitent brightness, eliminating flickering in ciritical work areas

Extended LED Lifespan
Prolongs LED life by preventing stress from power fluctuations

Energy Efficiency
Optimizes energy usage, making it ideal for rechargeable portable lights

Enhanced Durability
Protects electrical components from damage, increasing overall durability



Leading Lithium-ion Battery Tech For Innovation



Four Layers Of Protection

- Overcharge, over-discharge,
- short circuit, overheat protection

4-grid Battery Indicator

- The last light flashing, means 15 minutes left

Sufficient Battery Capacity

- Meet the needs of long-term operation durability

Low Battery Warning

- The last indicator light will flash continuously to remind you to charge as soon as possible

500 Cycle

- Sufficient capacity for reliable use

0 Memory Effect

- Charge and discharge at any time

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Smart Modular Design For Efficiency



Top Performance

Leverage two color injection molding craftmanship for heads of the lamps for ultra closeness and excellent performance

Effortless Maintenance

Quick, on-site module replacements reduce downtime and eliminate the hassle of costly repairs

Streamlined Inventory Management

Simplify spare parts strategy with interchangeable modules, reducing both cost and complexity

Economical Total Cost of Ownership

Save on long-term expense by replacing individual modules instead of purchasing new units

*models such as 21N/R, 31N/R etc.

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Exclusive Integrated Charging Solution For Value-added

Integrated Charging System

CHARGE SMARTER WORK SAFER

Power Up With Ease
Just **Plug** And **Play**



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SAFELY LIGHTEN EACH AND EVERYDAY

Integrated Charging Solution Overview

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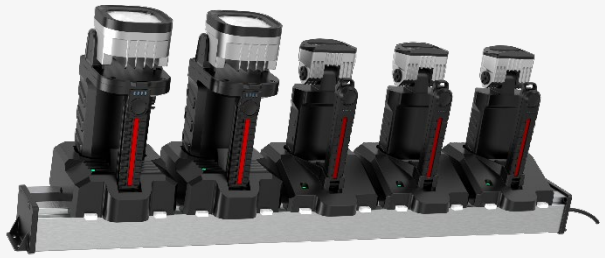
- Smart Charging
- Efficient Space Utilization
- Streamlined Operations & Personnel Management
- Enhanced Durability
- Future-proof Flexibility



Charging Base



Charging Rack

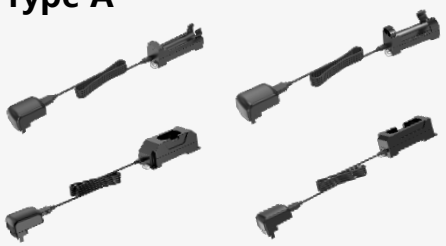


Charging Stand

Integrated Charging Solution: Standalone

Type A/B Charging Base

Type A



Type B



Exclusive Use

- Not mix with other charging devices to avoid the risk

Wide Voltage Range

- AC 100-250V, 50/60Hz

Gold-plated/Nickel-plated

- Excellent conductivity, efficient electrical connection
- Anti-corrosion and stable

Multiple Charging Ports

- USB-C port dedicated charging port for rack, single charging or Group together

Square Charging Base

- Tailor made square shaped design for steadibility in challenging enviroment

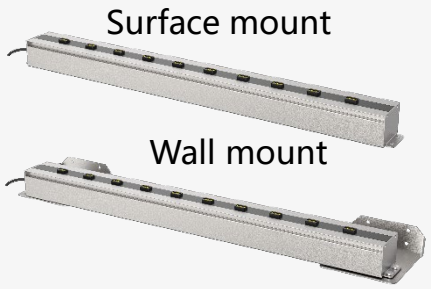
Charging Status Indicator

- Charging indicator light to display the charging status in real time.
- Red light: Charging
  Green light: Charging completed

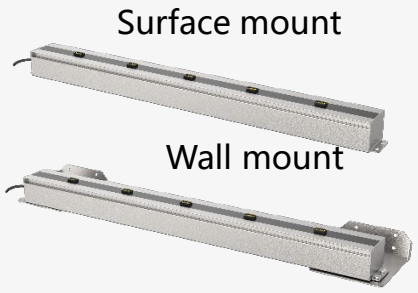
Integrated Charging Solution: Charging Rack

Type A/B Charging Rack

Type A



Type B



Voltage
AC 100-250V，50/60Hz

Power
Max 150W

Ambient temperature
-20℃≤Ta≤55℃,
Indoor Non-ATEX area

Compatible
EX and Non-ATEX

Centralized Managment

- Clean, tidy avoid risk

Multiple Installation Methods

- Surface
- Wall mount
- Free-style

Positioning Anti-mistake

- Convex& concave point

Single Hand Quick Disassembly

- Remove buckle,pull out

Double Side Input

- OEM input junction box left or right side

Multiple Charging Model &Qty

- Type A:10pcs
- Type B:5pcs

Integrated Charging Solution: Charging Stand

Exclusive Charging Stand

Voltage
AC 100-250V, 50/60Hz

Power
Max 3×150W（Single）
Max 6×150W（Double）

Temperature
-20℃≤Ta≤55℃
Indoor non-ATEX area

Main power
Junction box
AC 220V

Compatible
ATEX series
Non-ATEX range

Installation
Fixed

Vertical Design

- Saves space
- High efficiency



Single row

Multiple Charging Port

- Single & Double row, 30-60pcs



Double row

	ExMP21N ExMP21R	ExMP31N ExMP31R	ExMP32N ExMP32R	ExMP51R	ExMP52R	ExMP61R-1	ExMP61R-2
Ambient Temperature	-40℃~+55℃	-40℃~+55℃	-40℃~+55℃	-20℃~+55℃	-40℃~+55℃	-40℃~+55℃	-40℃~+55℃
Impact Resistance	1m	1m	1m	1m	1m	2m	1m
Area Of Classification	N: I, II Zone 0/1/2 III Zone 21/22 R: I, II Zone 1/2 III Zone 21/22	N: I, II Zone 0/1/2 III Zone 21/22 R: I, II Zone 1/2 III Zone 21/22	N: I, II Zone 0/1/2 III Zone 21/22 R: I, II Zone 1/2 III Zone 21/22	II Zone 1/2 III Zone 21/22	II Zone 1/2 III Zone 21/22	I, II Zone 0/1/2 III Zone 21/22	II Zone 0/1/2 III Zone 21/22

	ExMP21N	ExMP21R	ExMP31N ExMP31R	ExMP32N ExMP32R	ExMP51R	ExMP52R	ExMP61R-1 ExMP61R-2
Working Mode	√	√	√	Flood √ Spot√	√	√	√
Strong Mode	×	√	√	Flood + Spot √	√	√	√
S.O.S	×	×	√	√	√	√	√

Key Features For Each Model

www.goaltek.cn

ExMP21N/R

ExMP21N / ExMP21R



Carrying strap
- Easy to carry



Helmet Wearing
- L shape
- U shape





Pocket clip

ExMP21R

Tail red position light

Follow me lights

- On/Off same time light and tail light
- Positioning light for teammate



Modular design

Rechargeable

- Tool free



Power indicator

Rechargeable

- Long press the switch, the number of flashes indicates the power level
- Flashes: 4 times (75%↑), 3 times (75%-50%), 2 times (50%-25%), 1 time (25%↓)

ExMP31N/R

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Dual Power Source

- Modular Design
- Tool Free



Belt clip

- Hands-free
- 360° rotation



ExMP32N/R

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ExMP32N、ExMP32R

90° Right Angle

- 9 Grid，each 10°
- Multi-speed adjustment allows for more accurate lighting

36,000 Headlight Bends



ExMP32N

Knob battery switch

Unti-mistake design



ExMP51R

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Size: 185×190mm
G.W:(incl. battery):1060g

Size: 98.5×127×228.3mm
G.W(incl.): 960g

200mm
150mm
100mm
50mm
0mm





Knob switch

Anti-slip

Ergonomic design

10,000+ Head bends

Die-casting lamp head

- Better heat dissapation

90° Right angle

- 3 grid, each 30°

ExMP52R



Two Lights On At The Same Time

- Front&indicator lights

Warning Lights

- Positioning lights

OEM Positioning Light

- OEM color

Die-casting Head

- Better heat dissapation

180 Degree Rotation

20,000+ Head Bends

ExMP61R-1 / ExMP61R-2



(ExMP61R-1)

3350mAh



(ExMP61R-2)

6700mAh

Head Band



Helmet Brackets



Pocket Clip









108° Degree

- 6grid，each 18° for multiple use



20,000+ Head Bending

Thank you!

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