| II | III | 5000mAh | IP66/IP67 |
|---|---|---|---|
| 1/2 | 21/22 | | |
| Gas | Dust | Lithium Battery | Waterproof and Dustproof |

# ExMP81R

## Explosion Proof Mobile Lighting Equipment (Area Lights)

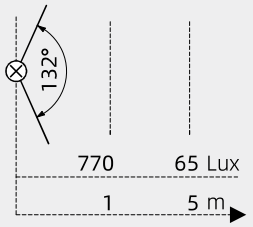
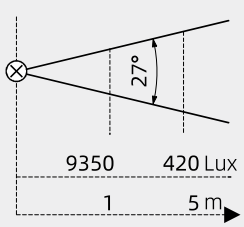
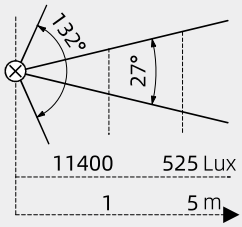
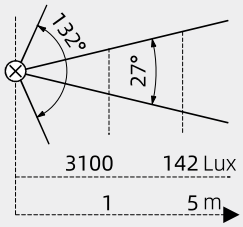


### Application

Suitable for explosive environment Class II Zone 1, 2 and Class III Zone21, 22. Designed for a multitude of professional contexts, spanning maintenance, disaster relief, emergency response, incident management and construction. They deliver essential high-intensity illumination to ensure operational efficiency and safety in critical scenarios.

### Parameters

| | | | |
|---|---|---|---|
| Certifications: | IECEx, ATEX | CCT: | 6500K |
| Ex Mark (IECEx): | Ex eb ib mb IIC T4 Gb; Ex tb IIIC T130°C Db | Battery type: | 12×21700 lithium battery |
| Ex Mark (ATEX): | II 2 G Ex eb ib mb IIC T4 Gb; | Battery capacity: | 43.2V / 5000mAh |
| | II 2 D Ex tb IIIC T130°C Db | Charging time: | < 7 h |
| Usage: | II Zone 1/2, and III Zone 21/22 | Recharging cycles: | 500 cycles |
| Working ambient temp.: | -20°C≤Ta≤+55°C | Lamp rotation angle: | Horizontal: 300° / Vertical: 115° |
| Ingress protection: | IP66/IP67 (1m, 30min) | Outline dimension: | 627×157×277mm(folding) / 2150mm(rising up) |
| Corrosion-proof grade: | WF2 | Weight: | < 10 Kg |

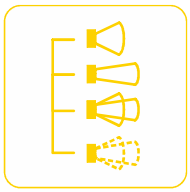
| Lighting mode | Floodlight | Spotlight | Floodlight +Spotlight (high) | Floodlight +Spotlight (low) |
|---|---|---|---|---|
| Beam angle (°) | 132 | 27 | 27 (central) / 132 (outer circle) | 27 (central) / 132 (outer circle) |
| Power (W) | 25 | 25 | 55 | 15 |
| Duration hour (H) | > 10 | > 10 | > 6 | > 18 |
| Lumen (lm) | 2500 | 2500 | 5500 | 1500 |
| Beam distance (m) | / | 200 | 215 | 112 |
| Vertical angle 70° Irradiation area m² | 200 | 60 | 200 | 200 |
| Illumination |   |   |   |   |

Note: The above parameters are design values. The actual values are subject to certification testing.

## Description

- The lighting equipment consists of a lamp head, a lifting pole and a housing body.
- The lamp head and housing are electrically connected by built-in cord through lifting pole.
  The lifting pole extends up to maximum 2150mm, to increase the illumination area and achieve regional lighting functionality.
- The housing is molded using PA engineering plastic, known for its lightweight, corrosion resistance.
  The buttons are made of tough, wear-resistant and chemical-resistant high performance nylon, offering a comfortable and long-lasting use.
- It offers four lighting modes-
  (1) floodlight
  (2) spotlight
  (3) floodlight + spotlight (high)
  (4) floodlight + spotlight (low) - with one-touch switching.

## Features

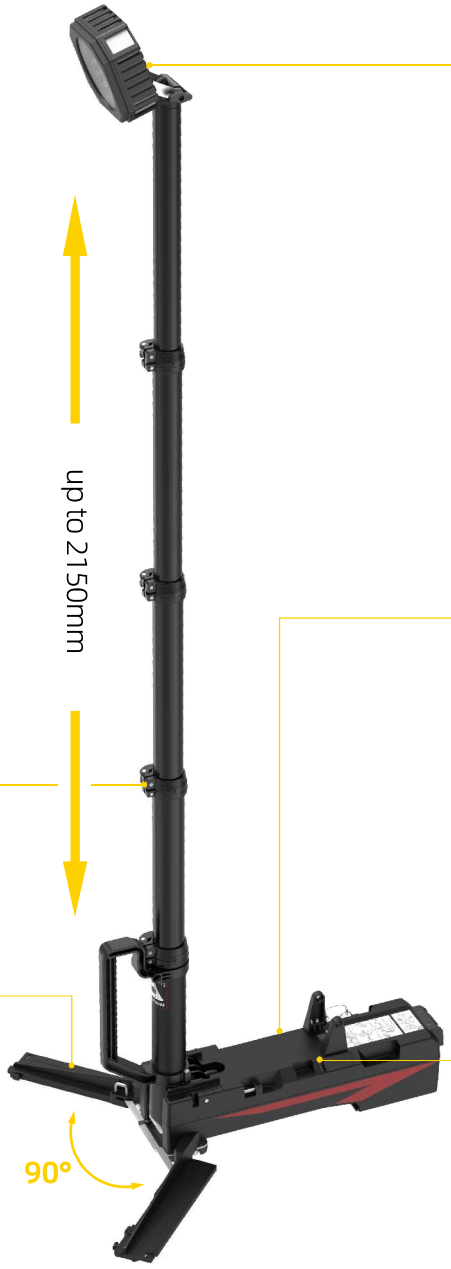


4 lighting modes:
- Floodlight
- Spotlight
- Floodlight + spotlight (high)
- Floodlight + spotlight (low)

Adjust to the desired lighting mode.




The lamp head can be adjusted 300° horizontally and 115° vertically to the desired lighting angle.






Easier light mode switch via large button amid gloves-on work

The 5-section retractable light pole can be locked at any height and adjusted to the desired lighting height.

The support legs have an expansion angle of 90°, providing stable support on uneven work surfaces. It can be fully expanded and locked within 30s.



4 grid power indicator

## Order specifications

| Illustration | Description | Order No. |
|---|---|---|
|  | Explosion Proof Mobile Lighting Equipment (Area Lights) + Adapter | ExMP81R-□-01 |

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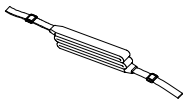
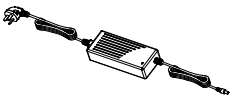
## Spare parts

| Illustration | Description | Weight (g) | Order No. |
|---|---|---|---|
| Shoulder carrying strap  | / | 97 | 1000/11-02-04 |
| Lithium battery pack  | 43.2V / 5000mAh | 1200 | 1000/05-R81-01-Ex |
| Power supply  | Input: 24V DC/2.5A<br>Output: 18V DC | 440 | 8281R-DR-Ex |
| Adapter  | Input: 100-240V 50/60Hz, 2A<br>Output: 24V DC, 4A | 700 | 1000/12-02-□ |

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## Outline dimension (unit: mm)

