

# ExMP81R

Explosion Proof  
Mobile Lighting Equipment  
(Area Lights)

## Application

Suitable for explosive environment Class II Zone 1, 2 and Class III Zone 21, 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; II 2 D Ex tb IIIC T130°C Db	Battery capacity:	43.2V / 5000mAh
Usage:	II Zone 1/2, and III Zone 21/22	Charging time:	< 7 h
Working ambient temp.:	-20°C≤T <sub>a</sub> ≤+55°C	Recharging cycles:	500 cycles
Ingress protection:	IP66/IP67 (1m, 30min)	Lamp rotation angle:	Horizontal: 300° / Vertical: 115°
Corrosion-proof grade:	WF2	Outline dimension:	627×157×277mm(folding) / 2150mm(rising up)
		Weight:	< 10 Kg

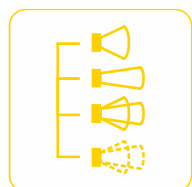
Lighting mode	Floodlight	Spotlight	Floodlight +Spotlight (high)	Floodlight +Spotlight (low)
Beam angle (°)	132	27	27 (central) / 132 (outer circle)	27 (central) / 132 (outer circle)
Power (W)	25	25	55	15
Duration hour (H)	> 10	> 10	> 6	> 18
Lumen (lm)	2500	2500	5500	1500
Beam distance (m)	/	200	215	112
Vertical angle 70° Irradiation area m <sup>2</sup>	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.

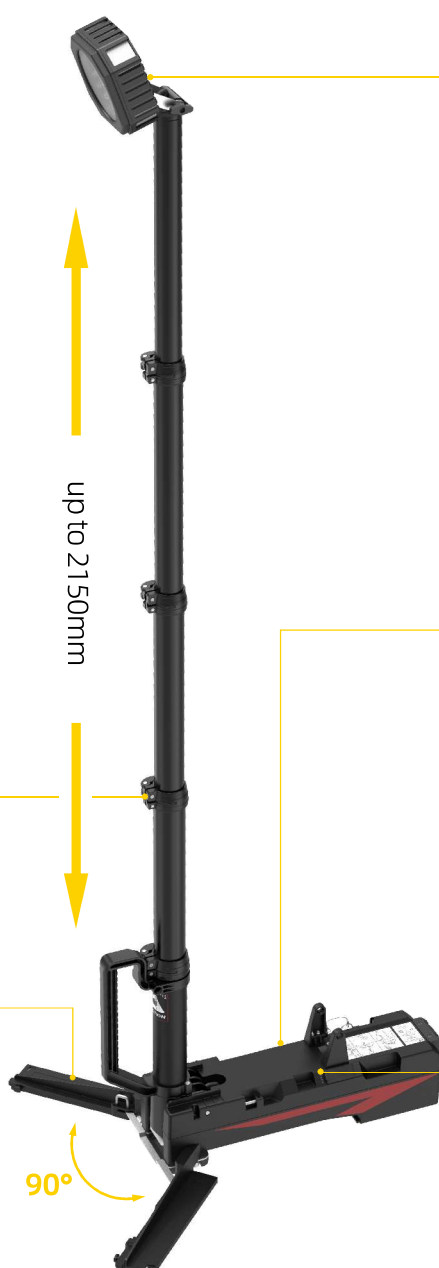
up to 2150mm

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.

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

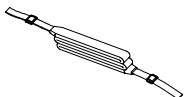


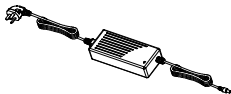
4 grid power indicator





## Order specifications


Illustration	Description	Order No.
	Explosion Proof Mobile Lighting Equipment (Area Lights) + Adapter	ExMP81R-□-01
<div>  GB            EN            BS            ANSI            AS            JIS           Code of plug         </div>		


## 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 Output: 18V DC	440	8281R-DR-Ex
Adapter 	Input: 100-240V 50/60Hz, 2A Output: 24V DC, 4A	700	1000/12-02-□


 GB

 EN

 BS

 ANSI

 AS

 JIS

Code of plug

Outline dimension (unit: mm)

