

ExMP81R

Explosion Proof Mobile Lighting Equipment (Area Lights)



Application

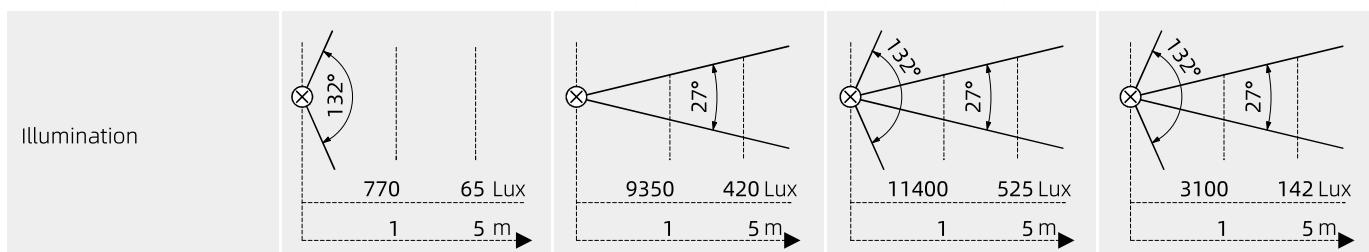
Suitable for explosive environment Class II Zone 1, 2 and Class III Zone 21, 22. Designed for a multitude of professional contexts, spanning maintenance, disaster relief, emergency response, incident management and construction. They deliver essential high-intensity illumination to ensure operational efficiency and safety in critical scenarios.



Parameters

Certifications (pending): IECEx, ATEX		Battery type: 12×21700 lithium battery	
Ex Mark (IECEx):	Ex eb ib mb IIC T4 Gb; Ex tb IIIC T130°C Db	Battery capacity: 43.2V / 5000mAh	
Ex Mark (ATEX):	Ex II 2 G Ex eb ib mb IIC T4 Gb; Ex 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	Outline dimension: 627×157×277mm(folding) / 2150mm(rising up)	
Corrosion-proof grade:	WF2	Weight: < 10 Kg	
CCT:	6500K	Warning light color: Red/Green/Yellow/Blue/White/Reddish blue (optional)	

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 ²	200	60	200	200



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.
- Additionally, it is equipped with warning lights in the back of the headlight for enhanced safety and visibility.

Features



Order specifications

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

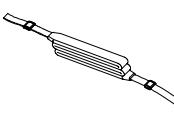
● R-Red ● G-Green ● Y-Yellow ● B-Blue ○ W-White ● RB-reddish blue

Code of warning light flash color

○ GB ○ EN ○ BS ○ ANSI ○ AS ○ JIS

Code of plug

Spare parts

Illustration	Description	Weight (g)	Order No.
	/	97	1000/11-02-04
	43.2V / 5000mAh	1200	1000/05-R81-01-Ex
	Input: 24V DC/2.5A Output: 18V DC (lighting equipment) 12V DC (warning light)	440	8281R-DR-Ex
	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)

