

ExMP80R

Explosion Proof Mobile Lighting Equipment (Area Lights)

Application

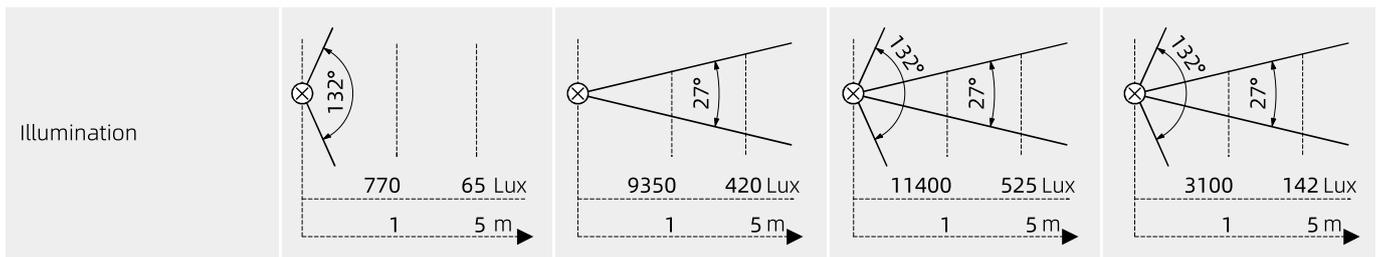
Suitable for explosive environment Class II Zone 1, 2 and Class III Zone 21, 22. Designed for a multitude of professional contexts, spanning maintenance, disaster relief, emergency response, incident management and construction. They deliver essential high-intensity illumination to ensure operational 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:	12x21700 lithium battery
Ex Mark (ATEX):	Ex eb ib mb IIC T4 Gb; 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 _a ≤ +55°C	Recharging cycles:	500 cycles
Ingress protection:	IP66/67 (1m, 30min)	Lamp rotation angle:	Horizontal: 300° / Vertical: 115°
Corrosion-proof grade:	WF2	Outline dimension:	454.5x185x260mm(folding) / 800mm(rising up)
		Weight:	< 7 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 ²	50	15	50	50



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 800mm, suitable for lighting in the work area for 1-4 personnel.
- 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, providing 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.
- It is lightweight with smart structure. It can be not only hand-held as a portable mobile lighting or placed at different heights for lighting, but also raise the lamp head to achieve wide area lighting.

Features



4 lighting modes:

- Floodlight
- Spotlight
- Floodlight + spotlight (high)
- Floodlight + spotlight (low)

Adjust to the desired lighting mode.

The 2-section retractable light pole can be locked at any height and adjusted to the desired lighting height.

up to 800mm

2 carrying methods:
hand-held or shoulder strap

Folding operating mechanism

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

115°



300°



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)	ExMP80R-01
	Explosion Proof Mobile Lighting Equipment (Area Lights) + Adapter	ExMP80R-□-01

 GB
  EN
  BS
  ANSI
  AS
  JIS
 Code of plug

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)

