





**CML 18ATEX1060X  
Issue 0**

## 11 Description

The BAT86-240 explosion-proof LED floodlight consists of a light source compartment and a LED power compartment. Both compartments are flameproof and dust ignition protected. The two compartments are joined by a threaded joint and the wiring between the two compartments is cemented.

The light source compartment consists of a cover that includes a cemented glass lens and a cast aluminium body. It is used to house the LED light source.

The LED power compartment consists of a cast aluminium cover and body. It is used to house the LED power supply.

Two entry threaded holes are provided in the enclosure of the LED power compartment, these are designed to be used with appropriately dimensioned and suitably certified cable glands or blanking plugs.

Voltage: 100 to 277 V AC 50/60 Hz  
130 to 250 V DC

Power: 160 / 200 / 240 W

Rated Power (W)	Temperature Classification			
	-40°C to +40°C		-40°C to +55°C	
	Gas	Dust	Gas	Dust
160	-	-	T6	T80°C
200 / 240	T6	T80°C	T5	T95°C

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	09 Feb 2018	R11463A/00	Issue of Prime Certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

## 13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Each unit shall be subjected to routine static overpressure tests in accordance with the requirements of EN/IEC 60079-1:2014 clause 16.1. The tests shall be carried at the following pressures:
  - Light source compartment – 11 bar
  - Power compartment – 20 bar



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#### **14 Special Conditions for Safe Use (Conditions of Certification)**

The following conditions relate to safe installation and/or use of the equipment.

- i. The flameproof joints, as part of the equipment, differ from the relevant dimensions specified in EN/IEC 60079-1. As such, they shall not be repaired or modified. If required, contact the manufacturer.
- ii. There is a potential electrostatic charging hazard. The plastic coating shall only be cleaned with a damp cloth.
- iii. The BAT86 explosion-proof LED floodlights shall be mounted according to the directions specified in the manual.

## Certificate Annex



**Certificate Number** CML 18ATEX1060X  
**Equipment** Explosion-proof LED Floodlight BAT86-240-□□  
**Manufacturer** Warom Technology Incorporated Company

The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
1HRW 000 226.1~3	1 of 1	0	09 Feb 2018	BAT86-240 Explosion-proof LED Floodlights
4HRW 100 562	1 of 1	0	09 Feb 2018	Nameplate for: BAT86-240
1HRW 020 156	1 of 1	0	09 Feb 2018	Lamp Compartment Body for: BAT86-240
1HRW 020 157	1 of 1	0	09 Feb 2018	Power Compartment Body for: BAT86-240
1HRW 050 157	1 of 1	0	09 Feb 2018	Power Compartment Cover for: BAT86-240
1HRW 050 158	1 of 1	0	09 Feb 2018	Lamp Compartment Cover for: BAT86-240
1HRW 100 002	1 of 1	0	09 Feb 2018	Sealing Sheath for: BAT86-240
1HRW 100 154	1 of 1	0	09 Feb 2018	Glass Plate for: BAT86-240
1HRW 110 554	1 of 1	0	09 Feb 2018	LED Light Source (240 W) for: BAT86-240
1HRW 110 555	1 of 1	0	09 Feb 2018	LED Light Source (200 W) for: BAT86-240
1HRW 110 556	1 of 1	0	09 Feb 2018	LED Light Source (160 W) for: BAT86-240
WM8HR 950 301.1~12	1 of 1	0	09 Feb 2018	Gasket General Part
1HRW 090 032	1 of 1	0	09 Feb 2018	Joint