Emergency Modular LED Luminaire

Specification:

Main Body:
Marine Grade Aluminium

Diffuser:
Polycarbonate

Gaskets:
Silicone

External Fasteners:
A4 Stainless Steel

Stirrup Bracket:
316 Stainless Steel

Weight:
9.0kg per module

Key Features:

- Battery back up power provides 3 hours at 50% illumination, 90 minutes at full illumination.
- Modular construction allows the modules to be supplied interlinked with each other to provide greater light output.
- Can be used as a single unit – small floodlight or bulkhead or linked together to replicate a large 250W/400W floodlight.
- Can be supplied in multiple configurations of standard or emergency modules.
- Each module utilises 48 off 1.2W LED's
- Integrated power supply.
- Low power consumption.
- Rugged construction – resistant to vibration.
- Independently photometrically tested.
- All units supplied with 2 cable entries. Additional entries available on request.
- IP66 and IP67.

- Optional wire guard available for extra protection.
- Narrow, Medium, Wide and Extra Wide beam light output available.
- Multiple mounting options available.

In comparison to typical floodlights:
- 70% less weight.
- 50% less power consumption.
- One man installation.
- LED technology will give a predicted lamp life of 10 years+.
- No light pollution.
- Instant start and restrike.
- No light degradation at low temperatures.
- Penetrating white light.
- Photocell option available.
- Low cost of installation, operation and maintenance.

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Protection:
IP66/67

Electrical Specifications:

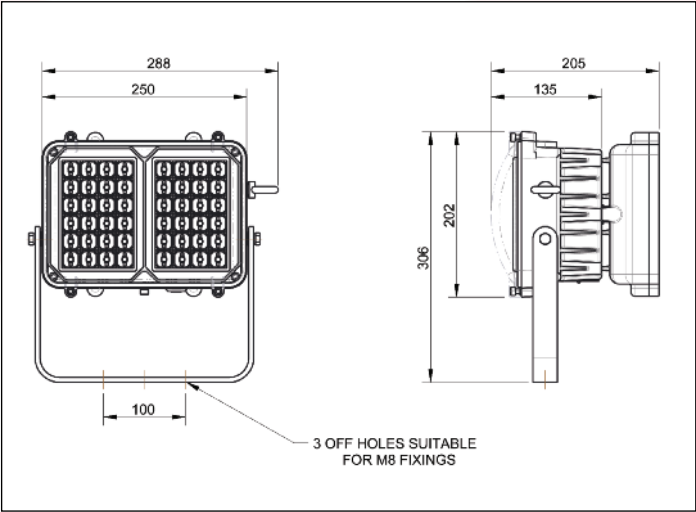|	Electrical Specification		
Lamp Options	Power consumption	Power factor	Available power supplies
48 x 1.2W LED's	70W Max		
96 x 1.2W LED's	140W Max	0.95	110V – 240V 50/60Hz AC only
144 x 1.2W LED's	210W Max		

Installation:

Terminals: Up to 4mm² terminals for live, neutral, earth and looping are provided. Internal and external earth as standard.
Cable Entries: 2 x M20, one fitted with stopper plug, other entries available on request.
Suspension: Via stirrup bracket, other mounting accessories available. Stainless steel eyebolt for safety chain included as standard.
Installation: Installation document AL105788 supplied.

Ordering Matrix:

Field	Options
Product	HDN106
Version (LEDs)	E – Emergency (48 LEDs) ES – Emergency/Standard (96 LEDs) SES – Standard/Emergency/Standard (144 LEDs) (All combinations available)
Beam Pattern (add per module)	N – Narrow M – Medium W – Wide X – Extra Wide
Light	W – Cool White light X – Warm White light Other colours available on request.
Cable Entries	0 – M20 5 – M25
Casting Colour	04 – Colour RAL 7035 (Grey)
Other Options	H – Horizontal (available on single units only)

Dimensions:

288
250
205
135
202
306
100
3 OFF HOLES SUITABLE FOR M8 FIXINGS

Weight:
48 LED Luminaire: 9kg
96 LED Luminaire: 15-18kg
144 LED Luminaire: 21-27kg

Notes:
1) Typical ordering reference HDN106EEEMMMW004.
2) Photometric Data available from the website or contact sales office.