

Emergency Modular LED Luminaire

Zone 2 and 22 Ex emb LED Modular Floodlight / Bulkhead Luminaire

Specification:

Main Body:

Marine Grade Aluminium

Diffuser:

Polycarbonate

Gaskets:

Silicone

External Fasteners:

A4 Stainless Steel

Stirrup Bracket:

316 Stainless Steel

T Rating:

T4

Weight:

9.0kg per module



Key Features:

- Battery backup 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 Ex d 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.
- No flamepaths to maintain.
- Low cost of installation, operation and maintenance.

Engineering Solutions
Design to Manufacture



Hadar Lighting, Jubilee Industrial Estate, Ashington
Northumberland, NE63 8UG United Kingdom

T: +44 (0) 1670 814 877
F: +44 (0) 1670 858 638

enquiries@hadar-lighting.com

www.hadar-lighting.com

Protection:

II 3 G D Ex emb IIC T4 Gc, Ex tb IIIC T103°C Dc IP66/67

Certification: ATEX and ABS certified.

	Certification	Ambient	Voltage Range	Certificate
HDL206E	II 3 G D Ex emb IIC T4 Gc, Ex tb IIIC T103°C Dc IP66/67	-20°C to +50°C	110V to 240V AC input	SIRA 11ATEX4314X ABS 11-LD801943-PDA

Electrical Specifications:

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

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 approved stopper plug, other entries available on request.

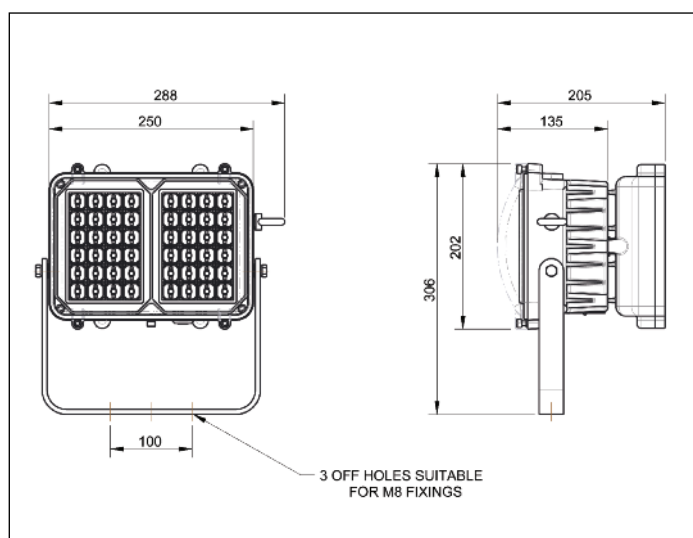
Suspension: Via stirrup bracket, other mounting accessories available. Stainless steel eyebolt for safety chain included as standard.

Installation: Installation document supplied.

Ordering Matrix:

Field	Options
Product	HDL206
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:



Weight:

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

Notes:

- 1) Typical ordering reference HDL206EEEEMMMW004.
- 2) Photometric Data available from the website or contact sales office.



Data is correct at time of print, but is subject to change due to continual product improvement.
Zone 1 and Industrial versions available, please refer to the website or contact sales office for further details.