

# Floodlight

Zone 2 EEx nR Floodlight

HDL 227

## Specification:

**Body:**

Painted Marine Grade Aluminium Alloy LM6

**Front:**

Hinged Front Cover

**Diffuser:**

Toughened Glass 4mm

**Reflector:**

Symmetrical Dimpled Anodised Polished Aluminium

**Stirrup Bracket:**

Painted Steel



## Key Features:

- The HDL 227 marine grade aluminium alloy floodlight with high performance photometrics is designed to withstand highly corrosive and Zone 2 hazardous area environments.
- The EEx nR restricted breathing floodlight is constructed from a compact and lightweight design and is suitable for use with 150W, 250W and 400W high pressure sodium or metal halide lamps.
- 150W, 250W, 400W
- High performance photometrics
- Restricted breathing.
- SIRA certified.
- Lightweight design.
- High pressure sodium/metal halide.
- Marine Grade Alloy Body.
- Hinged Front Cover.
- Toughened Glass.
- Compact & Lightweight Design.
- Loop-In and Loop-Out as standard.
- Stirrup Bracket, Painted Steel.
- Stainless Steel Cover & Bracket Screws.
- IP66

Engineering Solutions  
Design to Manufacture

**HADAR**  
LIGHTING



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Protection:

Ex II 3GD EEx nR IIT3/T2 IP66

Certification: ATEX Certified by SIRA

|         | Certification               | Ambient        | Voltage Range | Certificate      |
|---------|-----------------------------|----------------|---------------|------------------|
| HDL 227 | Ex 3GD EEx nR II T3/T2 IP66 | -40°C to +56°C | 220/230/240V  | SIRA 03ATEX 4061 |

Electrical Specifications:

| Electrical Specification |                   |                  |                                                                                   |
|--------------------------|-------------------|------------------|-----------------------------------------------------------------------------------|
| Lamp Options             | Power consumption | Power factor     | Power supply                                                                      |
| 150W                     | 168W              | Better than 0.95 | 220/230/240 50Hz and 60 Hz<br>Other voltages and frequencies available on request |
| 250W                     | 280W              |                  |                                                                                   |
| 400W                     | 433W              |                  |                                                                                   |

Installation:

Terminals: Suitable for up to 4.00mm<sup>2</sup> cable.  
Cable Entries: 2 x M20 (other cable entries available upon request).  
Suspension: See dimensional diagram.

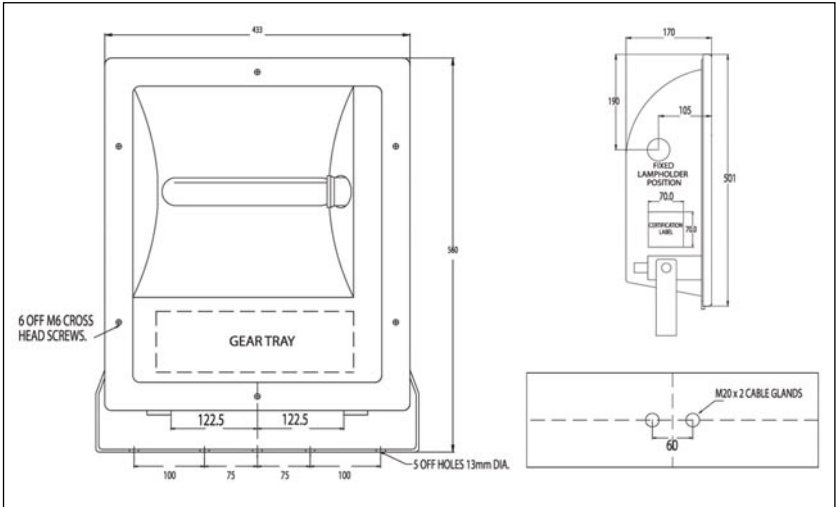
Ambients / Mounting Attitudes:

| W          | Attitude Point | PFC            | NO PFC         |
|------------|----------------|----------------|----------------|
| 150W<br>T3 | 0°C            | -40°C to +40°C | -40°C to +56°C |
|            | 30°C           | -40°C to +38°C | -40°C to +56°C |
|            | 45°C           | -40°C to +37°C | -40°C to +56°C |
|            | 60°C           | -40°C to +35°C | -40°C to +56°C |
|            | 90°C           | -40°C to +31°C | -40°C to +45°C |
| 250W<br>T3 | 0°C            | -40°C to +40°C | -40°C to +56°C |
|            | 30°C           | -40°C to +38°C | -40°C to +56°C |
|            | 45°C           | -40°C to +37°C | -40°C to +56°C |
|            | 60°C           | -40°C to +35°C | -40°C to +56°C |
|            | 90°C           | -40°C to +31°C | -40°C to +45°C |
| 400W<br>T2 | 0°C            | -40°C to +35°C | -40°C to +35°C |
|            | 30°C           | -40°C to +35°C | -40°C to +35°C |
|            | 45°C           | -40°C to +30°C | -40°C to +35°C |
|            | 60°C           | -40°C to +25°C | -40°C to +25°C |
|            | 90°C           | -40°C to +25°C | -40°C to +25°C |

Ordering Matrix:

| Field         | Options                                                                      |
|---------------|------------------------------------------------------------------------------|
| Product       | HDL 227                                                                      |
| Voltage       | 22 – 220V<br>23 – 230V<br>24 – 240V                                          |
| Frequency     | 5 – 50Hz<br>6 – 60Hz                                                         |
| Cable Entries | 00 – 2 x M20<br>05 – 2 x M25                                                 |
| Lamp Options  | 150 – 150W<br>250 – 250W<br>400 – 400W<br>500 – 500W                         |
| Options       | H – MBI Metal Halide<br>E – SON High Pressure Sodium<br>T – Tungsten Halogen |

Dimensions:



Notes:  
1) Final Product Code should be in the format: HDL2450400E  
2) For Photometric and Weight Data contact the Sales Office.

