

Wellglass

Zone 1 Ex de Wellglass

HDL 113 Small Wellglass
HDL 114 Large Wellglass



Specification:

Main Body:

Marine Grade Aluminium

Lamp Glass:

Toughened Glass

External Fasteners:

A4 Stainless Steel

T Rating:

T3/T4

External Reflector:

Aluminium

Key Features:

- Simple Installation.
- Straightforward maintenance.
- Integral control gear – easily removed.
- Wide choice of voltage and lamp options.
- Ex e terminal chamber.
- Internal flamepaths eliminating risk of corrosion and costly damage.
- Control gear and associated components housed in separate easily removed assembly
- The unique innovative design allows luminaires to be easily converted from Zone 1 to Zone 2.
- Lamp types and wattages can also be easily changed by new easily removed control gear assembly.
- Suitable for use with elliptical or tubular lamps.
- Zone 2 variants available.
- Optional external reflector – ideal for warehousing.

Engineering Solutions
Design to Manufacture

HADAR 
LIGHTING

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Protection:

II 2GD Ex de IIC T4 Gb (pendant), or T3 Gb (universal) IP66/67, Ex tb IIIC 130°C Db (pendant), or 175°C Db (universal).

Certification: ATEX & IEC Ex SIRA

	Certification	Ambient	Voltage Range	Certificate
HDL 113 HDL 114	II 2GD Ex de IIC T3/T4 IP66/67	-20°C to see table below	See table below	IEC Ex SIR09.0046 SIRA 09ATEX1100



Electrical Specifications:

Electrical Specification					Electrical Specification				
Lamp Options	Lamp holder	Power factor	Power consumption	Ambient	Lamp Options	Lamp holder	Power factor	Power consumption	Ambient
50W MBF	E27	0.85	55W	55°C	50W SON	E27	0.85	55W	55°C
80W MBF	E27	0.85	90W	55°C	70W SON	E27	0.85	80W	55°C
125W MBF	E27	0.85	140W	55°C	150W SON	E40	0.85	170W	55°C
250W MBF	E40	0.85	280W	45°C	250W SON	E40	0.85	275W	45°C
400W MBF	E40	0.85	440W	45°C	400W SON	E40	0.85	440W	45°C
					70W MBI	E27	0.85	80W	55°C
					100W MBI	E27	0.85	115W	55°C
					150W MBI	E27	0.85	170W	55°C
					250W MBI	E40	0.85	280W	45°C
					400W MBI	E40	0.85	440W	45°C
					500W (Max) GLS*	E40	0.85	500W	45°C

Installation:

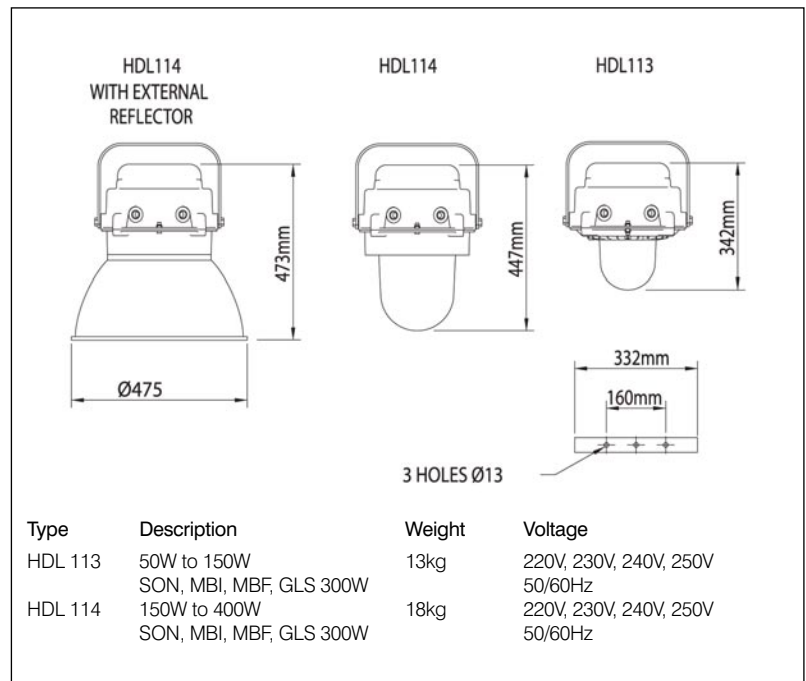
Terminals: 4mm² clamp terminals as standard for live, live switched, neutral, earth and looping provided. Internal and external earth as standard. 6mm² and screw terminals available on request.
Cable Entries: 2 x M20. Other entries available on request.
Suspension: Via stirrup bracket supplied. See drawings below.
Installation: Installation document AL10332 supplied.

*HDL113 - 300W (Max) GLS

Ordering Matrix:

Field	Options
Product	HDL 113 HDL 114
Version	S – Gas and dust (Zone 1 and 21) D – Dust (Zone 21 only)
Voltage	22 – 220V 23 – 230V 24 – 240V 25 – 250V
Frequency	5 – 50Hz 6 – 60Hz
Cable Entries	00 – 2 x M20 05 – 2 x M25
Lamp Options	50 - 50W 70 - 70W 80 - 80W 100 - 100W 125 - 125W 150 - 150W 250 - 250W 300 - 300W (GLS) 400 - 400W 500-500W (GLS)
Options	M – MBF Mercury H – MBI Metal Halide E – SON High Pressure Sodium G – GLS

Dimensions:



Notes:

- 1) Final Product Code should be in the format: HDL113S24500400E
- 2) Photometric Data available from the website or contact sales office.
- 3) External reflector item no. ALA90086 suitable for HDL114. Item no. ALA90086A suitable for HDL113.