

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

Surface Temp:

175°C

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 and vice versa.
- 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.
- QL lamp variants available.

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
55W QL	N/A	0.95	60W	55°C	50W SON	E27	0.85	55W	55°C
85W QL	N/A	0.95	95W	55°C	70W SON	E27	0.85	80W	55°C
165W QL	N/A	0.95	182W	45°C	150W SON	E40	0.85	170W	55°C
50W MBF	E27	0.85	55W	55°C	250W SON	E40	0.85	275W	45°C
80W MBF	E27	0.85	90W	55°C	400W SON	E40	0.85	440W	45°C
125W MBF	E27	0.85	140W	55°C	70W MBI	E27	0.85	80W	55°C
250W MBF	E40	0.85	280W	45°C	100W MBI	E27	0.85	115W	55°C
400W MBF	E40	0.85	440W	45°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
					400W (Max) GLS	E40	0.85	400W	45°C

Installation:

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

Ordering Matrix:

Field	Options
Product	HDL 113S HDL 114S HDL 133S HDL 134S
Voltage	11 – 110V (Only QL available in 110V) 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	55 - 55W 85 - 85W 165 - 165W 50 - 50W 55 - 55W 70 - 70W 80 - 80W 100 - 100W 125 - 125W 150 - 150W 250 - 250W 400 - 400W
Options	Q – QL Lamp M – MBF Mercury H – MBI Metal Halide E – SON High Pressure Sodium G – GLS

Dimensions:

Type	Description	Weight	Voltage
HDL 133	55W & 85W QL Lamps	10kg	110V to 130V 220V to 240V 50/60Hz AC/DC
HDL 134	165W QL Lamps	15kg	220V to 240V 50/60Hz AC/DC
HDL 113	50W to 150W SON, MBI, MBF, GLS	13kg	220V, 230V, 240V, 250V 50/60Hz
HDL 114	150W to 400W SON, MBI, MBF, GLS	18kg	220V, 230V, 240V, 250V 50/60Hz

Notes:

- 1) Final Product Code should be in the format: HDL113S24500400E
- 2) For Photometric Data contact the Sales Office.
- 3) External reflector item no. AL10174