

Wellglass

Zone 1 Ex ed or Ex de Wellglass

HDL 113 - 114 - 133 - 134

Specification:

Main Body:

Marine Grade Aluminium

Lamp Glass:

Toughened Glass

External Fasteners:

A4 Stainless Steel

T Rating:

T3/T4

Surface Temp:

195°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 luminaries 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.

Engineering Solutions
Design to Manufacture

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LIGHTING



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Protection:

II 2GD Ex ed or de IIC T3 IP66/67, Ex Td A21 195°C

Certification: ATEX & IEC Ex Certified by SIRA

	Certification	Ambient	Voltage Range	Certificate
	II 2GD Ex ed or de IIC T3 IPP66/67	-20°C to +50°	See table below	Certificate pending

Type	Certification
HDL 133	Ex ed
HDL 134	Ex ed
HDL 113	Ex de
HDL 114	Ex de



Electrical Specifications:

Lamp Options	Lamp holder	Power factor	Power consumption
55W QL	N/A	0.95	60W
85W QL	N/A		95W
165W QL	N/A		182W
50W MBF	E27	0.85	55W
80W MBF	E27		90W
125W MBF	E27		140W
250W MBF	E40		280W
400W MBF	E40		440W

Lamp Options	Lamp holder	Power factor	Power consumption
50W SON	E27	0.85	55W
70W SON	E27		80W
150W SON	E40		170W
250W SON	E40		275W
400W SON	E40		440W
70W MBI	E27		80W
100W MBI	E27		115W
150W MBI	E27		170W
250W MBI	E40		280W
400W MBI	E40		440W
500W (Max) GLS	E40		500W

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 AL10173 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
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			