

Wellglass

Zone 2 Ex nR Wellglass

HDL 223 Small Wellglass
HDL 224 Large Wellglass

Specification:

Main Body:
Marine Grade Aluminium

Lamp Glass:
Toughened Glass

External Fasteners:
A4 Stainless Steel

T Rating:
T3 / T4

Surface Temperature:
175°C

External Reflector:
Aluminium



Key Features:

- Simple installation.
- Straightforward maintenance.
- Integral control gear - easily removed.
- Wide choice of voltage and lamp options.
- Control gear and associated components housed in separate easily removed assembly.
- The unique innovative design allows luminaires to be easily converted from Zone 2 to Zone 1 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 1 variants available.
- Optional external reflector - ideal for warehousing etc.

Engineering Solutions
Design to Manufacture

HADAR 
LIGHTING

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Protection:

II 3GD Ex nR II T4 Gc (pendant), or T3 Gc (universal) IP66/67 Ex tc IIIC T130°C Dc (pendant), or T175°C Dc (universal).

Certification:

 ATEX & IEC Ex by SIRA

	Certification	Ambient	Voltage Range	Certificate
HDL 223 HDL 224	II 3GD Ex nR II T3/T4 IP66/67	-20°C to see table below	See table below	IECEXSIR09.0046 SIRA09ATEX4175



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 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 AL10332A supplied.

Ordering Matrix:

Field	Options
Product	HDL233S HDL234S HDL223S HDL224S
Voltage	11 - 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 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:

HDL234 HDL224 WITH EXTERNAL REFLECTOR				HDL234 HDL224				HDL233 HDL223			
Type	Description	Weight	Voltage	Type	Description	Weight	Voltage	Type	Description	Weight	Voltage
HDL 233	55W & 85W QL Lamps	10kg	110V to 130V 220V to 240V 50/60Hz AC/DC	HDL 234	165W QL Lamps	15kg	220V to 240V 50/60Hz AC/DC	HDL 213	50W to 150W SON, MBI, MBF, GLS	13kg	220V, 230V, 240V, 250V 50/60Hz
HDL 214	150W to 400W SON, MBI, MBF, GLS	18kg	220V, 230V, 240V, 250V 50/60Hz								

Notes:

- 1) Final Product Cose should be in format: HDL223S24500400E
- 2) For Photometric Data contact the sales office.
- 3) External reflector item no. AL10174

