

Fluorescent Luminaire

HDL 100

Zone 1 Ex emb Fluorescent Luminaire



Specification:

Enclosure:

Polycarbonate

Lamp Envelope:

Polycarbonate

Reflector:

Aluminium Powder Coated

Gaskets:

Silicone

External Fasteners:

A4 Stainless Steel

T Rating:

T4

Surface Temp:

100°C

Key Features:

- Simple Installation.
- Straightforward maintenance.
- Emergency version available - 3 hour duration.
- Rugged construction
- Easily relamped with detachable lamp envelope.
- Mains isolation not required when relamping.
- Short gaskets for proven ingress protection.
- Mounting in any attitude.
- Features a reflector compatible with Unistrut or equivalent channel support systems and accessories.
- Pole mounting version available.
- Continuous monitoring of fluorescent lamps ensures safe end of life shutdown by electronic ballast in accordance with HSE safety notice 8/05.
- Overvoltage protection 320V for 1 minute.
- Electronic control gear for instant operation at lower temperatures.

Incorporates the new "End of Life" (Eol) protection circuit ballast according to DIN EN 61347-2-3 and IEC 60079 Ed.4 Annex H



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Protection:

II 2GD Ex emb II T4/T5 IP66/67, Ex tD A21 T100°C

Certification: ATEX & IEC Ex certified by SIRA; ABS approved for marine use

	Certification	Ambient	Voltage Range	Certificate
HDL 100	II 2GD Ex emb II T4/T5 IP66/67	2 x 18W / 36W -30°C to +55°C T4 -30°C to +32°C T5 2 X 58W -30°C to +53°C T4 Emergency Range -15°C	110V to 254V	IEC Ex SIR 06.0026X SIRA 06 ATEX 3079X ABS 07-LD219463-PDA

Electrical Specifications:

Electrical Specification			
Lamp Options	Power consumption	Power factor	Power supply
2 x 18W	32W circuit watts at 240V – 0.14A (120V – 0.28A)	Better than	220V – 254V, 47 / 63 Hz AC / DC
2 x 36W	62W circuit watts at 240V – 0.27 A (120V – 0.54A)		110V – 130V, 47 / 63 Hz AC / DC (2 X 18W / 2 X 36W only)
2 x 58W	92W circuit watts at 240V – 0.40A (120V – 0.80A)	0.95	Emergency version as above – AC only

Installation:

Terminals	Up to 6mm ² clamp terminals for live, live switched, neutral, earth and looping provided. Internal and external earth as standard. Screw terminals on request.
Cable Entries	2 x M20. Pole mount fittings supplied with 1 x M20 (other entries upon request). Locknuts supplied and Gland Plates available, (see below).
Suspension	The aluminium reflector incorporates a channel which is compatible with Unistrut (or equivalent) fixings and accessories and allows the installer to select variable fixing centres. Technical booklet with various mounting options available upon request.
Installation	Installation document AL10086 supplied.

Ordering Matrix:

Field	Options
Product	HDL 100
Version	S – Non Emergency E - Emergency
Fittings	L – Loop In / Loop Out P – Pole Mount
Voltage	H – High Voltage (220V – 254V) M – Medium Voltage (110V – 130V)
Cable Entries	0 – M20 Entries 5 – M25 Entries
Lamp Options	236 – 2 x 18W 218 – 2 x 36W 258 – 2 x 58W

Dimensions:

	A	Weight
2 x 18W	970mm	4kg
2 x 36 W	1580mm	5.8kg
2 x 58W	1880mm	6.8kg

Notes:

- 1) Final Product Code should be in the format: HDL100SPH0218
- 2) Bi-Pin as standard. Contact sales office for Single Pin.
- 3) For Photometric Data contact the sales office.
- 4) Brass earth continuity gland plates are available, contact sales office for more information.

