# Fluorescent Luminaire

Zone 1 and 21 Ex emb Fluorescent Luminaire

## Specification:

**Enclosure:** Polycarbonate

Lamp Envelope: Polycarbonate

**Reflector:** Aluminium Powder Coated

Gaskets: Silicone

External Fasteners: <u>A4 Stainless Steel</u>

**T Rating:** T4

#### Key Features:

- Simple Installation.
- Straightforward one tool maintenance (5mm Allen Key).
- 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.
- 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.
- High frequency electronic control gear for instant operation at lower temperatures.
  Emergency version available maintained or non-maintained 3 hour duration.
- Incorporates the new "End of Life" (Eol) protection circuit ballast according

to DIN EN 61347-2-3 and IEC 60079 Ed.4 Annex H

## Engineering Solutions Design to Manufacture

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## HDL 100

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#### Protection:

€x II 2 G D Ex emb II T4/T5, Ex tD A21 IP66/67 T100°C

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

	Certification	Ambient		Voltage Range	Certificate
HDL 100	<ul> <li>II 2 G D Ex emb II T4/T5,</li> <li>Ex tD A21 IP66/67 T100°C</li> </ul>	2 x 18W / 36W 2 X 58W	-30°C to +55°C T4 -30°C to +32°C T5 -30°C to +53°C T4	110V to 254V	IECEx SIR 06.0026X SIRA 06ATEX3079X ABS 07-LD219463-1-PDA
		Emergency Range	-15°C		

#### **Electrical Specifications:**

	Electrical Specification				
Lamp Options	Power consumption	Power factor	Power supply		
2 x 18W Standard	32W circuit watts at 240V – 0.14A (120V – 0.28A)	Better	220V – 254V, 50 / 60 Hz AC / DC		
2 x 18W Emergency	36W circuit watts at 240V – 0.16A (120V – 0.32A)	than	110V – 130V, 50 / 60 Hz AC / DC (2 X 18W / 2 X 36W only)		
2 x 36W Standard	62W circuit watts at 240V – 0.27 A (120V – 0.54A)	0.95	Emergency version as above – AC only		
2 x 36W Emergency	68W circuit watts at 240V - 0.30 A (120V - 0.60A)				
2 x 58W Standard	92W circuit watts at 240V – 0.40A				
2 x 58W Emergency	96W circuit watts at 240V – 0.42A				

#### Installation:

Terminals	4mm <sup>2</sup> clamp terminals as standard for live, live switched, neutral, earth and looping provided. Internal and external earth as standard. 6mm <sup>2</sup> and screw terminals available 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

Product

Version

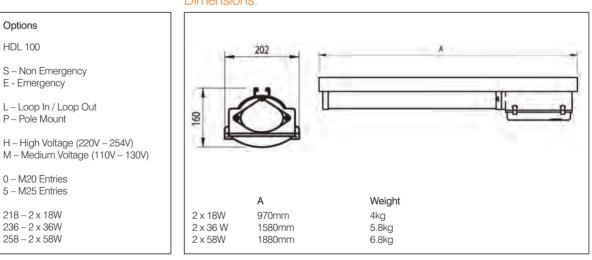
Fittings

Voltage

Cable Entries

Lamp Options

**Dimensions:** 



#### Notes:

1) Final Product Code should be in the format: HDL100SPH0218

2) Photometric Data available from the website or contact sales office.

3) Brass earth continuity gland plates are available, contact sales office for more information.



Options

HDL 100

Data is correct at time of print, but is subject to change due to continual product improvement.

