

Recessed Luminaire

HDL 102

Zone 1 Ex em Recessed Luminaire



Specification:

Enclosure:

Steel Powder Coated
or Stainless Steel

Diffuser Frame:

As above

Diffuser:

Toughened Prismatic Glass

Gasket:

Silicone

External Fasteners:

A4 Stainless Steel

T Rating:

T4/T5 Gas and Dust

Surface Temp:

75°C

Key Features:

- Exposed 'T' / Concealed 'T' Modular ceiling type.
- Plasterboard Non-modular ceiling type.
- Plank ceiling type 300mm wide.
- Mild steel painted as standard (stainless steel also available).
- 2 x 18 W, 4 x 18W, 2 x 36W, 4 x 36W, 2 x 58W.
- Emergency version available.
- For 2 x 18W Compact Fluorescent Luminaire see – HDL 108.
- Ease of maintenance and installation.
- Wide range of lamp options.
- High frequency electronic control gear.
- Quick lamp start and flicker free operation control gear.
- High ambient areas.
- Can be installed in new or existing ceilings.
- Lightweight and robust construction.
- Cable entries can be positioned to suit customer requirements.
- Overvoltage protection 320V for 1 minute.

- Standard/Emergency gear trays interchangeable between luminaires.
- Continuous monitoring of fluorescent lamps ensures safe end of life shutdown by electronic ballast in accordance with HSE safety notice 8/05.
- Optional mains isolation/battery isolation microswitch available.

Incorporates the new 'End of Life' (EoL) protection circuit ballast
– according to DIN EN 61347-2-3 AND IEC 60079-7 Ed 4 Annex H

Engineering Solutions
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WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
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Protection:

II 2GD Ex emb II T4/T5 IP64, Ex tD A21 T75°C

Certification: ATEX & IEC Ex certified by SIRA

	Certification	Ambient	Voltage Range	Certificate
HDL 102	II2GD EX emb II T4/T5 IP66/67II 2GD Ex emb II T4/T5 IP64	All ranges T4 - 40°C to + 55°C All ranges T5 - 40°C to + 40°C Emergency -15°C	110V – 254V	IEX Ex SIR 0.60027 SIRA 06 ATEX 3080

Electrical Specifications:

Electrical Specification			
Lamp Options	Power consumption	Power factor	Power supply
2 x 18W T8	32W Circuit Watts at 240V – 0.14A (120V – 0.28A)	Better than 0.95	220V – 254V, 47/63 Hz AC/DC 110V – 130V, 47/63 Hz AC/DC (18W/36W only) Emergency version as above – AC only
2 x 36W T8	62W Circuit Watts at 240V – 0.27A (120V – 0.28A)		
2 x 58W T8	92W Circuit Watts at 240V – 0.40A (120V – 0.80A)		
4 x 18W T8	64W Circuit Watts at 240V – 0.28A (120V – 0.56A)		
4 x 36W T8	124W Circuit Watts at 240V – 0.54A (120V – 1.08A)		

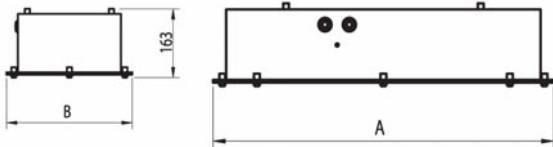
Installation:

Terminals: Up to 6mm² clamp terminals for live, live switched, neutral, earth and looping are provided. Internal and external earth as standard.
Screw terminals upon request.
Cable Entries: To suit individual customer requirements.
Suspension: To suit individual customer requirements.
Installation: Installation document AL10089 supplied.

Ordering Matrix:

Field	Options
Product	HDL102
Version	S – Non Emergency E – Emergency
Fittings	A – Exposed 'T' B – Concealed 'T' C – Non Modular D – Plank
Voltage	H – High Voltage (220V – 254V) M – Medium Voltage (110V – 130V)
Cable Entries	0 – M20 Entries 5 – M25 Entries
Lamp Options	218 – 2 x 18W 236 – 2 x 36W 258 – 2 x 58W 418 – 4 x 18W 436 – 4 x 36W

Dimensions:

			
Dimensions for non modular range of recessibles for modular range dimensions contact the sales dept.			
	A	B	Weight
2 x 18W	700mm	299mm	10kg
2 x 36W	1310mm	299mm	16kg
2 x 58W	1610mm	299mm	18kg
4 x 18W	700mm	599mm	15kg
4 x 36W	1310mm	599mm	18kg

Notes:

- 1) Final Product Code should be in the format: HDL102SCH0218.
- 2) Bi-Pin as standard. Contact sales office for Single Pin.
- 3) Mild Steel as standard, contact sales office for stainless steel.
- 4) For Photometric data contact the new sales office.

