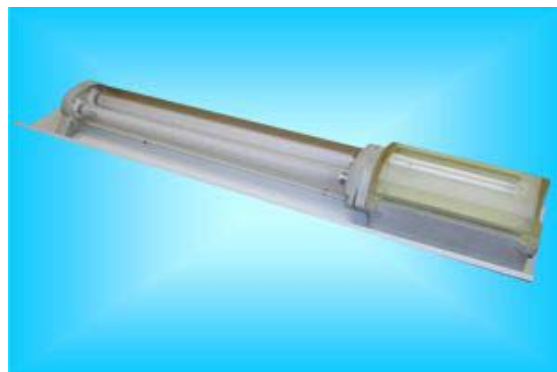


## Trident VL126 EExe Emergency Fluorescent

### Applications

- Zone 1 and Zone 2 Hazardous Gas Environments
- Zone 21 and Zone 22 Hazardous dust Environments
- Complies with ICEL guidelines for emergency escape route, general and high risk task area emergency lighting requirements.
- Onshore and Offshore applications with submersion for up to 24 hour periods.\*
- Chemical, Pharmaceutical and Food industries.
- Ideal for areas where glass contamination is not allowed (Example - Food Preparation).
- Street / Walkway lighting applications are available using dedicated pole-mounted version



### Features and Benefits

- Easy Installation. Light Weight yet robust construction.
- Cassette re-lamping technology.
- Dedicated 11W Compact Fluorescent Lamp encapsulated in lid assembly only operates under emergency conditions.
- Emergency 11W lamp and Lid assembly Can be 'retro-fitted' to VL125 Luminaire.
- Dedicated 11W lamp eliminates the problem of striking 'old' lamps in emergency conditions ensuring optimum performance.
- Emergency lamp has integral battery back up as standard.
- Option available with emergency lamp run as a slave unit from UPS.
- Main Lamps can be safely replaced without the need for mains isolation.\*
- Can be mounted in any orientation.
- Reflector doubles as solar shield.
- Efficient High Frequency electronic control gear keeps running cost to a minimum.
- Low Profile.
- Control gear offers protection from harmonic distortion and over-voltage\*.
- Control gear gives quick lamp start and flicker free operation.
- Convenient Pole Mounting variant.
- Proven Ingress Protection, up to IP68\*

### Certification and Approval

ATEX Certificate 03ATEX3206 T100C

- 2 x 18W and 2 x 36W Variants:
- CE 0518 ATEX II 2GD EEx em II T4, -15°C to +55°C
- 2 x 58W Variant:
- CE 0518 ATEX II 2GD EEx em II T4, -15°C to +50°C

### Lamp Types

- T8, Ø26mm, G13 cap bi-pin fluorescent
- Available in the following configurations: 2 x 18W, 2 x 36W, 2 x 58W

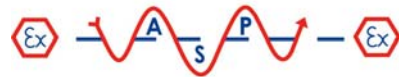
### Power Supply

- 220V-254V, 47/63Hz AC/DC

### Power Consumption

- 2 x 58W Lamps - 92W circuit watts at 240V - 0.40A
  - 2 x 36W Lamps - 62W circuit watts at 240V - 0.32A
  - 2 x 18W Lamp - 30W circuit watts at 240V - 0.15A
- Power Factor - Better than 0.95





**Emergency Duration** - 11W Dedicated Emergency Lamp provides 11% of luminaire (2 x 36W variant, other values as per photo-metric data) light output for typically 3 hours.

## Terminals

- Up to 6mm<sup>2</sup>. Terminals for live, live switched, neutral, earth, and looping are provided.
- Internal and external earth provided as standard.

## Cable Entries

- Two x M20 entries provided as standard (Others available on request)
- Cable glands used must maintain the IP rating and certification of the luminaire

## Temperature Classification

- Gas environments: Surface temperature classification T4.
- Dust environments: Surface temperature classification T100°C.

## Ambient Temperature Range

- -15C to + 55C (18W & 36W versions)
- -15C to + 50C (58W version)

## Materials

- Enclosure: - Polycarbonate Moulding.
- Lamp Envelope: - Polycarbonate.
- Reflector: -Marine Grade Stainless Steel, pre-treated with RCT and epoxy powder coated. (Mild Steel option also available)\*.
- Gasket: - Silicone.
- External Fasteners - Stainless steel.

## Weight

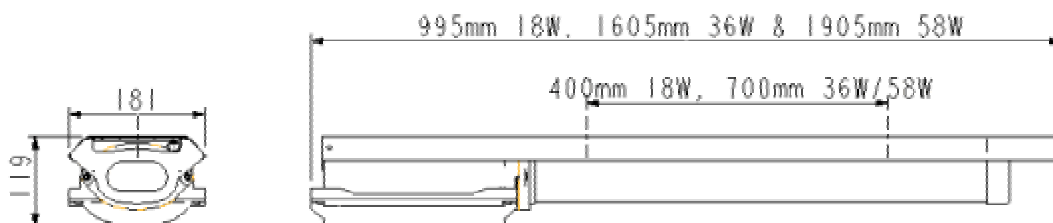
Variant	2 x 58W Lamps	2 x 36W Lamps	2 x 18W Lamps
Loop in Loop out	7.8 Kg.	7.0 Kg.	5.4 Kg.
Through - Wired	8.4 Kg.	7.6 Kg.	6.0 Kg.
Pole - Mounted	8.1 Kg.	7.3 Kg.	5.7 Kg.

## Suspension

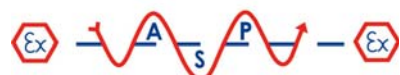
- Standard mounting is direct to the external reflector.
- Optional ceiling, wall, pole mounting brackets, and eye bolts are available on request.
- Direct pole mounting option for up to 42mm diameter.

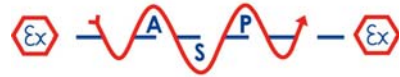
**Installation Leaflet:** Supplied with each luminaire

**Dimensions** (For loop in / out option)



FIXING CENTRES SUITABLE FOR M8 BOLTS





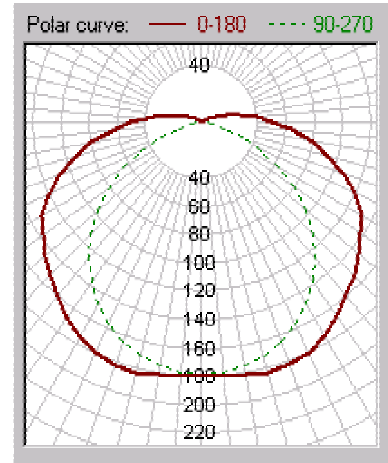
## Photometric Data

- TYPICAL POLAR CURVE FOR  
2 X 36W Luminaire with External Reflector  
In emergency mode luminous flux factor  
2 x 58W = 31%  
2 x 36W = 11%  
2 x 18W = 8%

LIGHT OUTPUT RATIOS  
UP 3% DOWN 64% TOTAL 67%

MAXIMUM SPACE/HEIGHT RATIO  
(S/Hm): 1.50

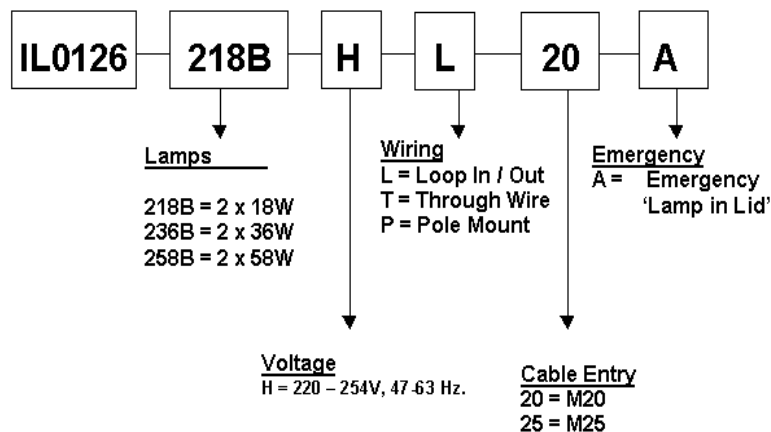
UTILIZATION FACTORS S/H <sub>m</sub> - 1.50											
WORKING PLANE REFLECTANCE											
20% 0%											
Ceiling	70%			50%			30%			0%	B.Z. Class
Wall	50%	30%	10%	50%	30%	10%	30%	10%	0%		
.75	.37	.31	.27	.35	.30	.27	.29	.26	.24	5	
1.00	.42	.36	.32	.40	.35	.31	.34	.31	.29	5	
1.25	.47	.41	.37	.45	.41	.36	.39	.35	.33	5	
1.50	.50	.44	.41	.48	.43	.40	.42	.39	.36	5	
2.00	.55	.50	.47	.50	.49	.45	.47	.44	.41	5	
2.50	.59	.54	.51	.56	.52	.49	.50	.47	.44	5	
3.00	.61	.57	.54	.58	.55	.52	.52	.51	.47	5	
4.00	.66	.61	.58	.61	.58	.56	.54	.54	.50	5	
5.00	.67	.64	.61	.63	.61	.58	.56	.56	.52	5	



## Health and Safety

In the United Kingdom all equipment must be installed, operated and disposed of (as required) within the legislative requirements of the Health & Safety at Work etc. Act. 1974. Leaflet No. HSS L1 refers to the Company's obligations and is available on request. It is the responsibility of the user to select, install, operate and maintain the equipment in accordance with the relevant legislation and appropriate codes of practice.

## Ordering References



Example IL0126218BHL2000 = VL126 Emergency Trident luminaire, 2 x 18W bi-pin lamps with external reflector, M20 entries and suitable for loop in/out wiring.

## Supplied by:

**A.S.P. Electro-Technology Ltd**  
Specialist Suppliers of Hazardous Area Certified  
Electrical Products & Instrumentation

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