

TRIDENT VL125

Victor
Lighting



INCREASED SAFETY TYPE Ex 'e' FLUORESCENT LUMINAIRE

APPLICATIONS

- | Zone 1 hazardous gas areas
- | Zone 21 hazardous dust environments
- | Onshore and offshore applications with submersion for up to 24 hours*
- | Chemical, Pharmaceutical and food industries
- | Ideal for areas where glass contamination is not allowed (Example - Food preparation)
- | Extreme high and low temperature applications
- | Street/walkways lighting applications are available using dedicated pole-mounted version

CERTIFICATION AND APPROVAL

ATEX Certificate SIRA03ATEX3206
IECEX Certificate IECEX SIR 03.0004

2 x 18W and 2 x 36W Variants
Ex II 2GD EEx em IIC T4 -45°C to +55°C

2 x 58W Variant
Ex II 2GD EEx em IIC T4 -45°C to +50°C

Ingress protection to IP66, IP67 and IP68*

GOST Approved

*Contact Sales/Technical Department for further information

FEATURES AND BENEFITS

- | Low profile, lightweight yet robust construction
- | Cassette re-lamping technology
- | Can be safely re-lamped without the need for mains isolation
- | Loop in, loop out connection facility as standard
- | Can be mounted in any orientation
- | Stainless steel reflector acts as a solar shield
- | Unique continuous monitoring and safe shutdown of control gear at end of lamp life
- | Control gear offers protection from harmonic distortion and over-voltage (380V for 60 seconds)
- | Control gear gives quick lamp start and flicker free operation
- | Convenient pole mounting variant
- | Unique conversion technology allows standard VL125 Luminaire to be converted to emergency VL126 Luminaire by simply changing the lid assembly.
- | Proven ingress protection, up to IP68*
- | End of life (EOL) protection to IEC 60079-7**

**All Victor Lighting fluorescent luminaires and ballasts are now certified to the requirements of Annex H of the draft standard IEC 60079-7 edition 4.

CATEGORY 2 TYPE Ex 'e' INCREASED SAFETY

TECHNICAL SPECIFICATION

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
110V-130V, 47/63Hz AC/DC (2 x 18W and 2 x 36W only)

POWER CONSUMPTION

2 x 18W Lamp - 37W circuit watts at 240V - 0.17A
(120V - 0.31A)
2 x 36W Lamp - 69W circuit watts at 240V - 0.3A
(120V - 0.69A)
2 x 58W Lamps - 108W circuit watts at 240V - 0.46A

POWER FACTOR

Greater than 0.95

TERMINALS

Up to 4mm². Terminals for live, live switched, neutral, earth, and looping are provided.

CABLE ENTRIES

Two x 20mm clearance holes supplied with 1 x transit plug and 1 x Ex e blanking plug.

TEMPERATURE CLASSIFICATION

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

AMBIENT TEMPERATURE RANGE

-45°C to +55°C (18W & 36W versions)
-45°C to +50°C (58W version)

MATERIALS

Enclosure Polycarbonate Moulding.
Lamp Envelope Polycarbonate.
Reflector Stainless Steel, pre-treated with RCT and epoxy powder coated.
Gasket Silicone
External Fasteners Stainless Steel

WEIGHT

Variant	2x18W Lamps	2x36W Lamps	2x58W Lamps
Loop-In-Loop-Out	3.8Kg	5.4Kg	6.2Kg
Through-Wired	4.4Kg	6.0Kg	6.8Kg
Pole-Mount	4.1Kg	5.7Kg	6.5Kg

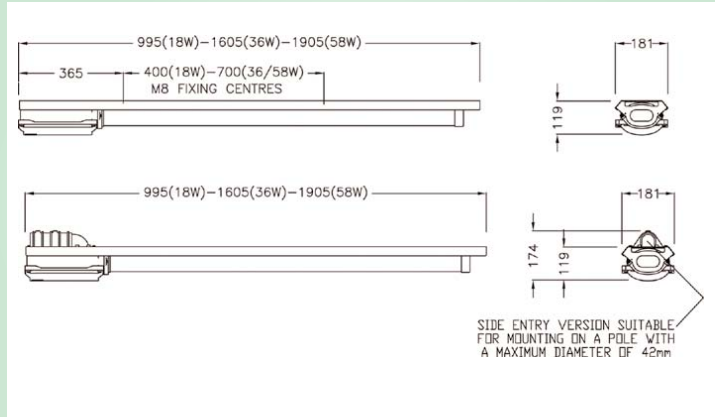
SUSPENSION

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.

DIMENSIONS

(For loop in/loop out option)

© 2006



Dimensions in millimetres

To calculate photometric values for lighting design, please use the free Victor "Lite Guide" software package. To request your copy, please contact your local Victor agent or use the request form on the website.

ORDERING REFERENCE

Std. Cat Ref.	Wattage	Lamp Type
TRIE/218/BI	2x18W	Bi-Pin
TRIE/236/BI	2x36W	Bi-Pin
TRIE/258/BI	2x58W	Bi-Pin

OPTIONS - SUFFIX TO CATALOGUE REF.

/120	Specific voltage (110/130V) - 18W/36W only
/25	25mm Entries
/T	Through wiring
/SC	Screwed connection terminal block 6mm ² terminals
/M20	M20 Threaded entry pad c/w earth lead to T/Block
/M25	M25 Threaded entry pad c/w earth lead to T/Block
/SE	Pole mounted Version (Spigot entry)
/ZR	Powder coated zintec reflector
/IEC	Supplied with IEC Ex certification label

ACCESSORIES

Description	Part No.
Ceiling mount bracket	SEXCE-00001
Pole mount bracket (35-40mm)	SEXCE-00002
Pole mount bracket (40-50mm)	SEXCE-00003
M8 eye bolt	SEXCE-00008
Wall bracket	SEXCE-00009
Wall mounting outreach bracket (for use with /SE version)	NPRO4-0007
Wall mounting outreach bracket (for use with 18W version)	NPRO4-0008
Wall mounting outreach bracket (for use with 36W version)	NPRO4-0012
Conversion Kit: Converts VL125 to a VL126 EM Luminaire	STRIE-00001