

# VL104I

## RECESSED FLUORESCENT

## INDUSTRIAL

The 104 range of fluorescent luminaires are available in 18W and 36W versions for T8 fluorescent lamps in both non-emergency and emergency models. The mounting and cover details are flexible to allow the luminaire to be recessed into a variety of marine ceilings including fire resistant ceilings up to Solas B15 rating. Emergency models have their own integral Ni-Cad battery pack.



### Standard Specification

Ingress Protection:	<b>IP54 to EN60529</b>
Enclosure:	<b>White polyester painted zintec body and frame. Clear polycarbonate diffuser</b>
Entries:	<b>4 x 20mm clearance holes (supplied plugged)</b>
Internal Wiring:	<b>Stranded, heat resistant wiring up to 105°C</b>
Termination:	<b>3 core 4mm<sup>2</sup> max conductors (4 core on emergency models)</b>
Mounting:	<b>Adjustable side arms (also suitable for M6 drop rod mounting)</b>
Control Gear:	<b>High Frequency</b>
Relamping:	<b>Via front cover, secured by pan head screws</b>
Electrical Supply:	<b>220/240V 50/60Hz</b>
Battery Duration:	<b>3 Hours (emergency models)</b>

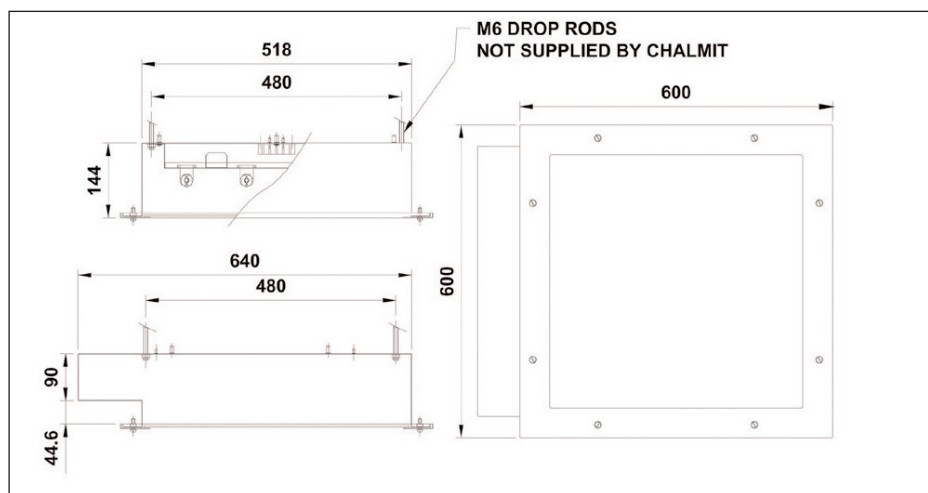


Std. Cat No.	Wattage	Lamp type	Lampholder	Weight
104/418/BI/MES*	4 x 18W	T8 Fluorescent	G13	6.9kg
104/436/BI/MES*	4 x 36W	T8 Fluorescent	G13	10.5kg
104/418/BI/EM/MES*	4 x 18W	T8 Fluorescent	G13	10.1kg
104/436/BI/EM/MES*	4 x 36W	T8 Fluorescent	G13	13.5kg

\* NOTE:- For non-modular versions remove /MES suffix

### Options - Suffix to Catalogue No.

/120	Specific voltage - 110/120V
/MF	Mains fuse
/25	4 x 25mm cable entries
/LG	Low glare louvres
/PD	Prismatic diffuser



**Victor Lighting**

IES file name: C418CPPD    Catalogue reference: 104/418/BI

Description: VL104 4x18 T8 RECESSIBLE PRISM. POLY. DIFFUSER SAFE AREA

**Photometric report**

Values in candelas/1000 lamp lumens

- 0-deg (Yellow)
- 90-deg (Blue)
- 180-deg (Green)
- 270-deg (Red)

Print    Close

Circuit Watts	72.00	L.O.R.	0.42
B.L.F.	1.00	D.L.O.R.	0.42
Peak intensity	201.00	U.L.O.R.	0.00
		SHR NOM	1.50
		SHR MAX	1.56

Utilisation Factors

Room index:  $RI = LxW/H(L+W)$

Reflectance			Room index: RI = LxW/H(L+W)								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	0.30	0.33	0.36	0.37	0.40	0.41	0.42	0.44	0.45
70	30	20	0.28	0.31	0.33	0.35	0.38	0.40	0.41	0.42	0.43
70	10	20	0.26	0.29	0.32	0.34	0.36	0.38	0.39	0.41	0.42
50	50	20	0.30	0.33	0.35	0.36	0.39	0.40	0.41	0.42	0.43
50	30	20	0.28	0.30	0.33	0.35	0.37	0.38	0.40	0.41	0.42
50	10	20	0.26	0.29	0.31	0.33	0.36	0.37	0.38	0.40	0.41
30	50	20	0.29	0.32	0.34	0.35	0.37	0.39	0.39	0.41	0.41
30	30	20	0.27	0.30	0.32	0.34	0.36	0.37	0.38	0.40	0.41
30	10	20	0.26	0.29	0.31	0.33	0.35	0.36	0.38	0.39	0.40
0	0	0	0.25	0.28	0.30	0.31	0.34	0.35	0.36	0.37	0.38

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United Kingdom    Tel:- +44 (0) 141 810 9644    Fax:- +44 (0) 141 810 9642    Email:- info@victor-lighting.com

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