

ZONE I

- ATEX certification
- EEx d IIB T6 rating
- Tough, marine grade zinc alloy housing
- IP67 dust and water tight for defined period immersion
- Hinged body for easy lamp replacement
- Optional wire guard

The versatile Crompton Zone 1 luminaire is certified for use in both Zone 1 and Zone 2 areas with group IIB gases and has a T6 surface temperature classification. Sealed to IP67, it is dust tight and water tight. Thanks to its exceptionally tough construction and borosilicate glass over tube, the Zone 1 luminaire can withstand severe environmental conditions and is also suited to non-hazardous locations where conventional luminaires would not be tough enough, such as dockside applications. An optional wire guard further increases mechanical protection. With full ATEX certification, Crompton Zone 1 is designed to provide many years of reliable service.




8W luminaire with pictogram legend

WHERE TO USE ZONE I

- Marine oil terminals
- Gas terminals
- Chemical storage areas
- Chemical processing plants
- Petroleum processing plants
- Distilleries
- Tank farms
- Seek assistance to ensure compatibility



EEx d IIB T6**IP67****LAMP OPTIONS**

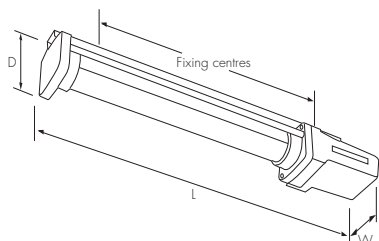
- 18W, 36W, 58W T8 fluorescent - G13 cap 
- 8W T5 fluorescent - G5 cap 

MATERIALS

- Body - pressure die cast marine grade zinc alloy (BS1004A), polyester powder coated, white finish
- Support channel - steel, polyester powder coated, white finish
- Over tube - borosilicate glass, hermetically sealed into end caps
- Wire guard - heavy gauge steel, nickel plated

INSTALLATION NOTES

- Suitable for direct fix to ceiling via 2 x 10mm fixing holes
- Mounting brackets available to special order
- 2 x M20 ISO cable entry holes. 1 x FLP blank supplied
- Appropriate ATEX approved cable glands must be used to ensure flameproof/IP integrity is maintained
- Terminal block accepts 1 x 4mm² cable per terminal. Suitable for through wiring
- Luminaire must not be opened with hazardous atmosphere present
- Lamp housing unbolts and hinges for safe lamp replacement
- Suitable for ambient temperature range -20°C to +40°C
- Supplied excluding lamps (1 x 8W T5 supplied c/w lamp)

DIMENSIONS

Lamp Rating	L (mm)	W (mm)	D (mm)	Fixing Centres (mm)
1 x 8W	575	114	130	391
1/2 x 18W	835	114	130	661
1/2 x 36W	1440	114	130	1266
1/2 x 58W	1740	114	130	1566

CATALOGUE NUMBERS

Lamp Rating	Gear Option	Cat. No.	Weight (kg)	Emergency Cat. No.	Weight (kg)	Wire Guard
1 x 8W	High frequency	-	-	EBFLPG11Z	12.0	FLPG1WG
1 x 18W	High frequency	FLPG21Z	13.0	EBFLPG21Z	13.5	FLPG2WG
2 x 18W	High frequency	FLPG22Z	13.5	EBFLPG22Z	15.0	FLPG2WG
1 x 36W	High frequency	FLPG41Z	17.7	EBFLPG41Z	19.2	FLPG4WG
2 x 36W	High frequency	FLPG42Z	18.2	EBFLPG42Z	19.7	FLPG4WG
1 x 58W	High frequency	FLPG51Z	20.0	EBFLPG51Z	21.5	FLPG5WG
2 x 58W	High frequency	FLPG52Z	20.5	EBFLPG52Z	22.0	FLPG5WG

Description	Cat. No.	Weight (kg)
Accessories for 8W emergency luminaire		
Pictogram mounting panel	FLPG1PK	1.20
Pictogram legends kit	FLPG1LK	0.05
Wall mounting bracket	FLPG1WB	2.30

OPTIONS

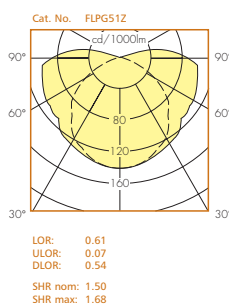
- High frequency control gear as standard
- Wire guard available to protect glass over tube
- Group IIC product to special order (1 x 8W T5 is IIC as standard)
- Polycarbonate over tube versions to special order
- Emergency conversion, 1 hour duration (3 hour for 1 x 8W T5 version)
- Battery pack is external, attached to luminaire
- Maintained or non-maintained operation selectable
- Suitable for use on defined escape routes

CERTIFICATION

- SIR A 00ATEX1107

SPECIFICATION

To specify state: ATEX certified, EEx d IIB T6 Zone 1/2 luminaire, sealed to IP67, with marine grade zinc alloy body, to BS1004A, high frequency control gear, borosilicate glass over tube, steel support channel and hinging body, as Crompton Zone 1 range, part no. _____

PHOTOMETRIC DATA

Utilisation factors / TMS											
Reflectances			Room Index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	30	34	39	42	46	49	52	55	57
30			25	29	34	37	42	45	48	51	54
10			21	25	30	33	38	41	44	48	51
50	50	20	28	32	36	39	43	46	48	51	53
30			24	28	32	35	39	42	45	48	50
10			20	24	28	31	36	39	42	46	48
30	50	20	26	30	34	36	40	43	45	47	49
30			22	26	30	33	37	40	42	45	47
10			20	23	27	30	34	37	40	43	45
0	0	0	18	21	24	27	31	33	36	39	41
BZ-class			6	6	6	6	6	6	6	6	6

See page 422 for Design Guide