

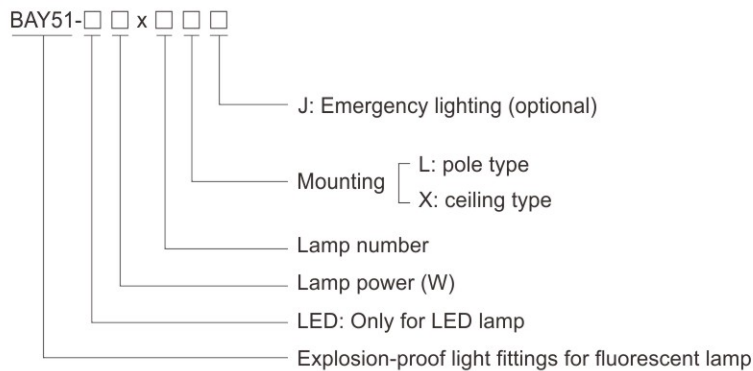
Light Fittings for Fluorescent Lamp

BAY51 Series Explosion-proof Light Fittings for Fluorescent Lamp



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups A, B, C, D
- ◆ Single or dual lamp versions
- ◆ Available lamp and power
 - Fluorescent lamps: 18W x 1, 36W x 1, 58W x 1, 18W x 2, 36W x 2, 58W x 2.
 - LED lamps: 9W x 1, 9W x 2, 18W x 1, 18W x 2, 28W x 1, 28W x 2.
- ◆ The glass tube stands 4J impact.
- ◆ Enclosure in Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021).
- ◆ Built-in electronic ballast, wide voltage input, rapid starting, stable performance, power factor \geq 0.95.
- ◆ Built-in LED driver, wide voltage input, CC-CV (constant current - constant voltage) output, power factor \geq 0.95.
- ◆ End of lamp life (EOL) rectification effect protection.

■ Catalogue number logic



Zones 1&2; 21&22

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Technical data

Explosion-proof light fittings for fluorescent lamp BAY51-□ × □□

Explosion protection

Global (IECEX)	IECEX CQM 12.0042X
Gas and dust	Ex d IIC T6 Gb Ex t IIIC T80°C Db IP66
Europe (ATEX)	LCIE 09 ATEX 3046
Gas	⊕ II 2 G Ex d IIC T6 Gb ⊕ II 2 G Ex tb IIIC T80°C Gb IP66
Certificates	IECEX; ATEX; CU-TR
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-31

Material

Enclosure	Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)
Glass tube	Toughened glass, stands 4J impact
Ballast	Electronic ballast
Wire guard (optional)	Powder coated carbon steel (white) or stainless steel
External reflector	Powder coated pure aluminium
Exposed fastener	Stainless steel

Lamp

Lamp specification	T8 tube (supplied with the light fittings)
Lamp power (W)	18W x 1 18W x 2 36W x 1 36W x 2 58W x 1 58W x 2

Rated voltage

100~300V AC 50/60Hz

Earthing protection

M5 (internal & external earth bolts)

Degree of protection

IP66, IP67 (optional)

Ambient temperature

-20°C~+55°C

Terminal

3 x 1.5~4mm² (L+N+PE)

Cable entries

Single lamp	2 x M25 x 1.5 plugs
Dual lamp	2 x M25 x 1.5 plugs

Cable gland (optional)

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~31



Selection table

Type / Ordering code	Lamp power(W)	Weight(kg)	Type / Ordering code	Lamp power(W)	Weight(kg)
BAY51-18 x 1X	18 x 1	5.60	BAY51-18 x 2X	18 x 2	10.60
BAY51-18 x 1L	18 x 1	6.50	BAY51-18 x 2L	18 x 2	11.55
BAY51-36 x 1X	36 x 1	8.80	BAY51-36 x 2X	36 x 2	16.30
BAY51-36 x 1L	36 x 1	9.30	BAY51-36 x 2L	36 x 2	16.85
BAY51-58 x 1X	58 x 1	10.40	BAY51-58 x 2X	58 x 2	18.30
BAY51-58 x 1L	58 x 1	10.85	BAY51-58 x 2L	58 x 2	19.20

Note: Products above include all the mounting accessories listed in Mounting Accessories & Spare Parts Table (see P2/21~22).

Dimension drawings (all dimensions in mm) - subject to alteration

