

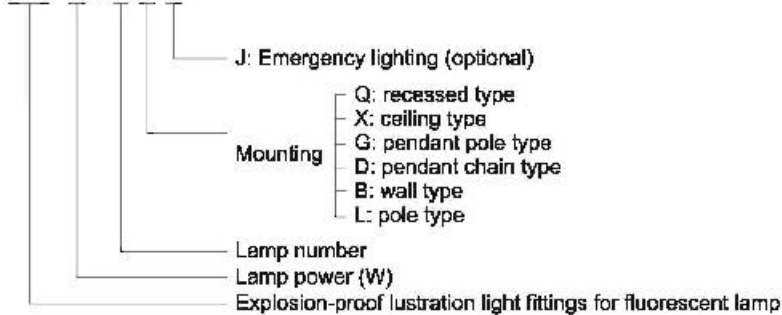


Light Fittings for Fluorescent Lamp BGY Series Explosion-proof Lustration Light Fittings for Fluorescent Lamp

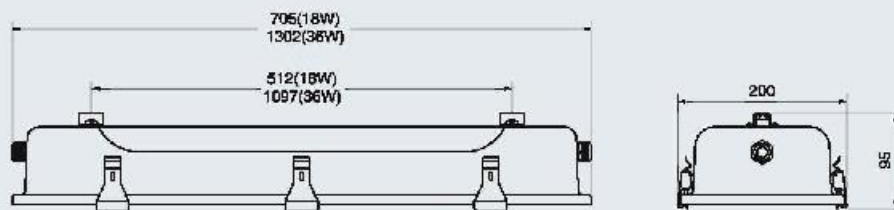
- ◆ Explosion protection to
 - GENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Two enclosure types: 18W, 36W.
- ◆ Toughened glass transparent cover, high light transmittance, resistance to high energy impact and thermal fusion.
- ◆ Enclosure is formed of stainless steel.
- ◆ Built-in electronic ballast, power factor ≥ 0.95 .
- ◆ End of lamp life (EOL) rectification effect protection.

Catalogue number logic

BGY - □ x □ □ □



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



Zones 1&2; 21&22

Light Fittings for Fluorescent Lamp

BJY Series Explosion-proof Lustration Light Fittings for Fluorescent Lamp

2

Technical data

Explosion-proof Lustration Light Fittings for Fluorescent Lamp

BJY - □x□□□

Explosion protection

Gas explosion protection
Dust explosion protection

⊕ II 2 G Ex eq IIC T4 Gb ⊕ II 3 G Ex nA IIC T4 Gc
⊕ II 2 D Ex tb IIIC T80°C Db IP66

Certificates

LCIE 13 ATEX _____; IECEX; PCEC (China)

Conformity to standards

EN 60079-0:2009, EN 60079-5:2007, EN 60079-7:2007, EN 60079-15:2010
EN 60079-31:2009
IEC 60079-0:2011, IEC 60079-5:2007, IEC 60079-7:2006, IEC 60079-15:2010
IEC 60079-31:2008

Material

Enclosure
Glass cover
Ballast
Exposed fastener

Stainless steel
Toughened glass, stands 4J impact
Electronic ballast, power factor ≥ 0.95
Stainless steel

Lamp

Lamp brand
Lamp power (W)

PHILIPS T8 (supplied with the light fittings)

36W x 2	18W x 2
36W x 1	18W x 1

Rated voltage

96-254V AC 50/60Hz; 100-300V AC 50/60Hz

Degree of protection

IP66

Ambient temperature

-40°C--+55°C

Terminal

3 x 1.5-4mm² (L+N+PE)

Cable entries

2 x Φ28: 2 x M25 x 1.5 cable gland (DQM-I Ex e, stainless steel)

Available cable outer diameter

Φ10~Φ14 (mm)

Emergency data

Emergency unit

Special emergency controller and NI-MH battery pile, with protection against over charge and over discharge

Emergency power (W)

18W x 1, 36W x 1

Emergency start time

0.3s

Charge time

24h

Emergency lighting time

120min (180min is optional)

Selection table

Type/ Ordering code	Lamp power (W)	Weight (kg)		Type/ Ordering code	Lamp power (W)	Weight (kg)	
		"Ex eq" type	"Ex nA" type			"Ex eq" type	"Ex nA" type
BJY-18 x 1X	18 x 1	5.10	3.80	BJY-36 x 1X	36 x 1	7.95	6.85
BJY-18 x 1G	18 x 1	5.30	4.00	BJY-36 x 1G	36 x 1	8.10	6.85
BJY-18 x 1D	18 x 1	5.45	4.15	BJY-36 x 1D	36 x 1	8.30	7.00
BJY-18 x 1B	18 x 1	5.50	4.20	BJY-36 x 1B	36 x 1	8.35	7.05
BJY-18 x 1L	18 x 1	5.15	3.85	BJY-36 x 1L	36 x 1	7.95	6.65
BJY-18 x 1Q	18 x 1	5.10	3.80	BJY-36 x 1Q	36 x 1	7.95	6.65
BJY-18 x 2X	18 x 2	5.20	3.90	BJY-36 x 2X	36 x 2	8.05	6.75
BJY-18 x 2G	18 x 2	5.40	4.10	BJY-36 x 2G	36 x 2	8.25	6.95
BJY-18 x 2D	18 x 2	5.50	4.20	BJY-36 x 2D	36 x 2	8.40	7.10
BJY-18 x 2B	18 x 2	5.60	4.30	BJY-36 x 2B	36 x 2	8.45	7.15
BJY-18 x 2L	18 x 2	5.25	3.95	BJY-36 x 2L	36 x 2	8.10	6.80
BJY-18 x 2Q	18 x 2	5.20	3.90	BJY-36 x 2Q	36 x 2	8.05	6.75
BJY-18 x 1X J	18 x 1	6.80	4.85	BJY-36 x 1X J	36 x 1	9.65	7.70
BJY-18 x 1G J	18 x 1	7.00	5.05	BJY-36 x 1G J	36 x 1	9.85	7.90
BJY-18 x 1D J	18 x 1	7.15	5.20	BJY-36 x 1D J	36 x 1	10.00	8.05
BJY-18 x 1B J	18 x 1	7.20	5.25	BJY-36 x 1B J	36 x 1	10.05	8.10
BJY-18 x 1L J	18 x 1	6.85	4.90	BJY-36 x 1L J	36 x 1	9.65	7.70
BJY-18 x 1Q J	18 x 1	6.80	4.85	BJY-36 x 1Q J	36 x 1	9.65	7.70
BJY-18 x 2X J	18 x 2	6.90	4.95	BJY-36 x 2X J	36 x 2	9.75	7.80
BJY-18 x 2G J	18 x 2	7.10	5.15	BJY-36 x 2G J	36 x 2	9.95	8.00
BJY-18 x 2D J	18 x 2	7.20	5.25	BJY-36 x 2D J	36 x 2	10.10	8.15
BJY-18 x 2B J	18 x 2	7.30	5.35	BJY-36 x 2B J	36 x 2	10.15	8.20
BJY-18 x 2L J	18 x 2	6.95	5.00	BJY-36 x 2L J	36 x 2	9.80	7.85
BJY-18 x 2Q J	18 x 2	6.90	5.95	BJY-36 x 2Q J	36 x 2	9.75	7.80

Note: Products above include all the mounting accessories listed in Mounting Accessories & Spare Parts Table (see P2/33).

