

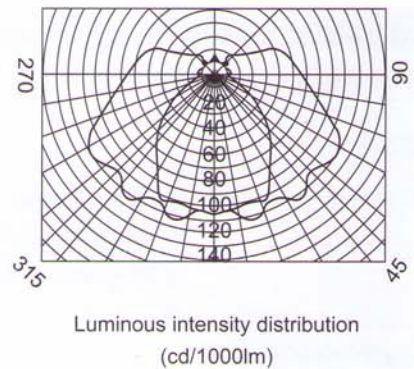
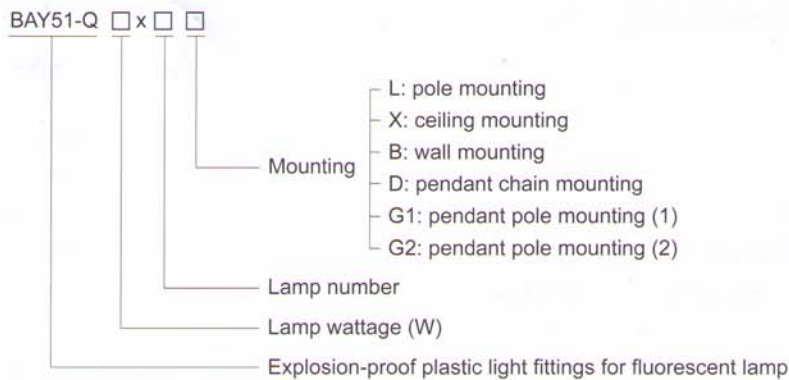


BAY51-Q □ x □ □ Series Explosion-proof Plastic Light Fittings for Fluorescent Lamp

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used
 - in Zone 1 and Zone 2
 - in Zone 21 and Zone 22
- ◆ 2 housing versions
 - 1 or 2 lamp version: 18W and 36W
- ◆ Enclosure in engineering plastic, corrosion protection
- ◆ "Exe" enclosure, explosion-proof components inside
- ◆ All-pole disconnection via explosion-proof switch between enclosure and the transparent cover when transparent cover is opened.
- ◆ With electronic ballast, power factor ≥ 0.95 .

BAY51-Q□x□□ series explosion-proof plastic light fittings for fluorescent lamp is usable for lighting in the petrochemical factory and warehouse, where is filled with II A, II B and II C explosive gas mixture and flammable and explosive dust.

■ Catalogue number logic



Zones 1&2 ; 21&22

Light Fittings For Fluorescent Lamps

BAY51-Q Explosion-proof Plastic Light Fittings for Fluorescent Lamp

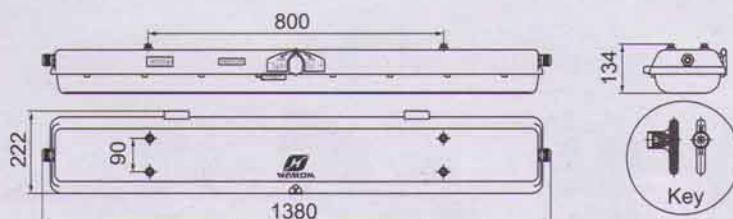
Technical Data	
Explosion-proof plastic light fittings for fluorescent lamp BAY51-Q36 x □ □	
Explosion protection Gas explosion protection Dust explosion protection	⊕ II 2G Exedq II CT4 Ex tD A21 IP65 T135°C
Certificates For gas explosion protection	LCIE 06 ATEX 6035X; IECEX CQM 07.0007; MC,AEX-8164-X (Brazil) S-XPL/04547 (South Africa)
For dust explosion protection	PCEC (China)
Conformity to standards	EN 60079-0:2004; EN 60079-1:2004; EN 60079-5:1997; EN 60079-7:2003; IEC 60079-0: 2004; IEC 60079-1:2003; IEC 60079-5:1997; IEC 60079-7:2001 IEC 61241-0:2004 ; IEC 61241-1:2004
Material Housing Transparent cover Ballast	SMC, good hardness, stands 7J impact, corrosion protection, white. Polycarbonate, 90% light transmission, stands 7J impact Explosion-proof electronic ballast, more than 0.95 power factor, with protection for short circuit, over loading, lamp aging and broken. With ATEX certificate no. LCIE 06 ATEX 0003U; IECEX CQM 07.0005U; MC,AEX-8530-U (Brazil)
Switch	BZX-6 explosion-proof limited switch, disconnection of all poles when open the cover. With ATEX certificate no. LCIE 06 ATEX 0002U
Lamps Lamp Wattage (W)	PHILIPS T8 (supplied with light fittings) 36 x 2 36 x 1
Rated voltage	AC 96V~254V 50Hz/60Hz
Protection class	II (electric shock absorbing)
Degree of protection	IP66
Ambient temperature	-20°C ~ +55°C
Connection	Terminals 3 x 1.5~2.5mm ² (L+N+PE)
Hub	2-ø26
Cable gland	With 2 x DQM-I (M25 x 1.5), Black, for Pendant pole mounting (2), please see "installation accessories and spare parts table".
Available cable outer diameter	ø9~ø13 (mm)

Selection table

Type/Ordering code	Lamp wattage (W)	Weight	Type/Ordering code	Lamp wattage (W)	Weight
BAY51-Q36 x 1L	36 x 1	11.04 kg	BAY51-Q36 x 2L	36 x 2	11.10 kg
BAY51-Q36 x 1X	36 x 1	11.10 kg	BAY51-Q36 x 2X	36 x 2	11.15 kg
BAY51-Q36 x 1B	36 x 1	10.70 kg	BAY51-Q36 x 2B	36 x 2	10.75 kg
BAY51-Q36 x 1D	36 x 1	10.98 kg	BAY51-Q36 x 2D	36 x 2	11.03 kg
BAY51-Q36 x 1G1	36 x 1	11.60 kg	BAY51-Q36 x 2G1	36 x 2	11.65 kg
BAY51-Q36 x 1G2	36 x 1	12.85 kg	BAY51-Q36 x 2G2	36 x 2	12.90 kg

Note: The light fittings are supplied according to type/ordering code, with accessories and spare parts listed in "installation accessories and spare parts table".

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



Light Fittings For Fluorescent Lamps

BAY51-Q Explosion-proof Plastic Light Fittings for Fluorescent Lamp

Technical Data

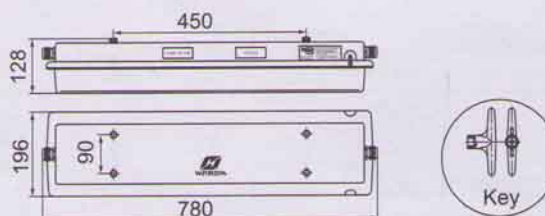
Explosion-proof plastic light fittings for fluorescent lamp		BAY51-Q18 x □ □
Explosion protection	Gas explosion protection Dust explosion protection	⊕ II 2G Exedq II CT4 Ex ID A21 IP65 T135°C
Certificates	For gas explosion protection For dust explosion protection	PCEC (China); LCIE 08 ATEX ____ PCEC (China)
Conformity to standards		EN 60079-0:2004; EN 60079-1:2004; EN 60079-5:1997; EN 60079-7:2003 eqv IEC 60079-0: 2004; IEC 60079-1: 2003; IEC 60079-5:1997; IEC 60079-7: 2001 IEC 61241-0:2004 ; IEC 61241-1:2004
Material	Housing Transparent cover Ballast	SMC, good hardness, stands 7J impact, corrosion protection, white. Polycarbonate, 90% light transmission, stands 7J impact Explosion-proof electronic ballast, more than 0.95 power factor, with protection for short circuit, over loading, lamp aging and broken. With ATEX certificate no. LCIE 06 ATEX 0003U
	Switch	BZX-6 explosion-proof limited switch, disconnection of all poles when open the cover. With ATEX certificate no. LCIE 06 ATEX 0002U; IECEx CQM 07.0006U
Lamps	Lamp Wattage (W)	PHILIPS T8 (supplied with light fittings) 18 x 2 18 x 1
Rated voltage		AC 96V ~ 254V 50Hz/60Hz
Protection class		II (electric shock absorbing)
Degree of protection		IP65
Ambient temperature		-20°C ~ +55°C
Connection		Terminals 3 x 1.5 ~ 2.5mm ² (L+N+PE)
Hub		2-ø26
Cable gland		With 2 x DQM-I (M25 x 1.5), black, for pendant pole mounting (2), please see "installation accessories and spare parts table".
Available cable outer diameter		ø9 ~ ø13 (mm)

Selection table

Type/Ordering code	Lamp wattage (W)	Weight	Type/Ordering code	Lamp wattage (W)	Weight
BAY51-Q18 x 1L	18 x 1	6.79 kg	BAY51-Q18 x 2L	18 x 2	7.83 kg
BAY51-Q18 x 1X	18 x 1	6.86 kg	BAY51-Q18 x 2X	18 x 2	6.90 kg
BAY51-Q18 x 1B	18 x 1	6.46 kg	BAY51-Q18 x 2B	18 x 2	6.50 kg
BAY51-Q18 x 1D	18 x 1	6.73 kg	BAY51-Q18 x 2D	18 x 2	6.77 kg
BAY51-Q18 x 1G1	18 x 1	8.36 kg	BAY51-Q18 x 2G1	18 x 2	8.40 kg
BAY51-Q18 x 1G2	18 x 1	8.61 kg	BAY51-Q18 x 2G2	18 x 2	8.65 kg

Note: The light fittings are supplied according to type/ordering code, with accessories and spare parts listed in "installation accessories and spare parts table".

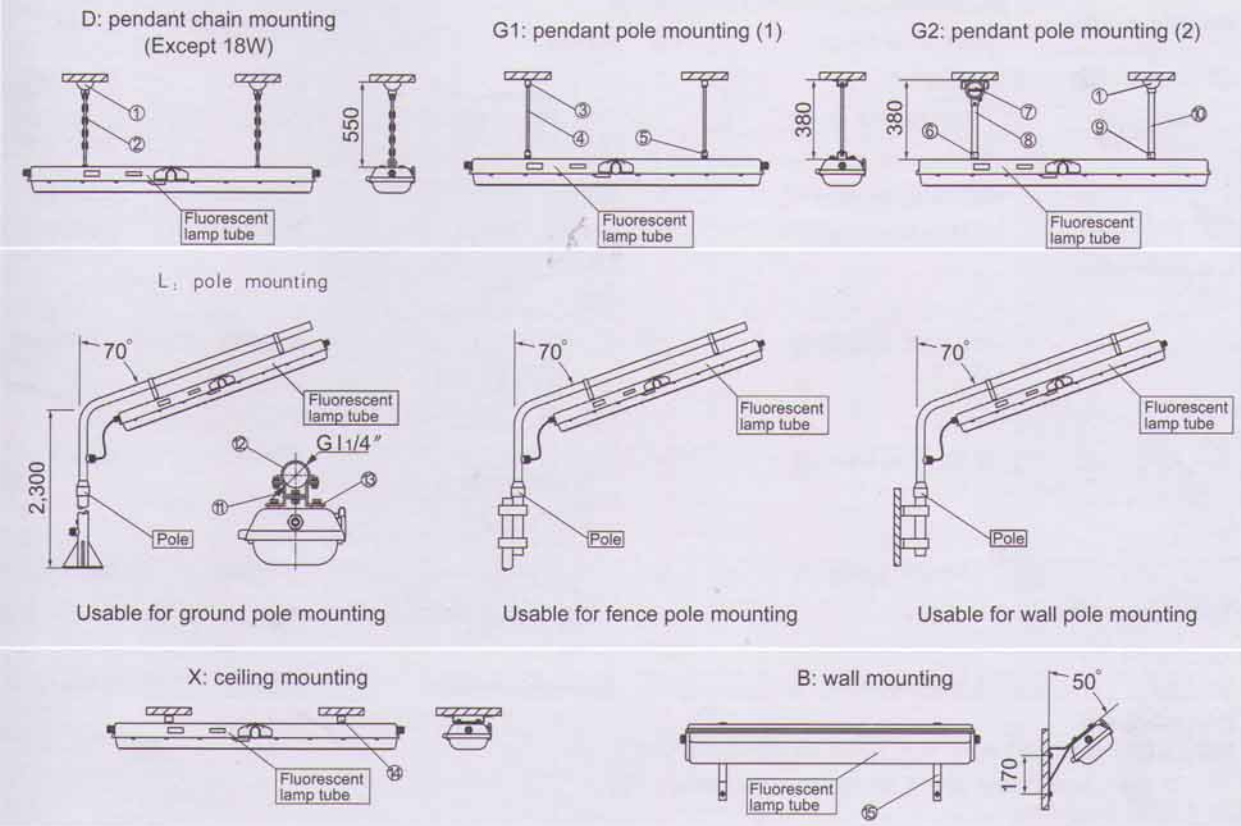
Dimension drawings (all dimensions in mm)-subject to alteration



Light Fittings For Fluorescent Lamps BAY51-Q Explosion-proof Plastic Light Fittings for Fluorescent Lamp

Mounting version

As a reference to the installation on the site



Installation accessories and spare parts table

supplied according to the mounting version

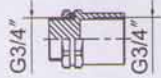
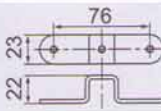
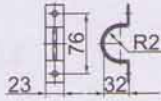
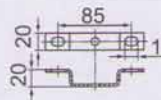
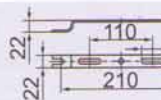
Mounting version	Accessories supplied with the light fittings			Ordering code	Weight
	Accessories fittings	Qty	Remark		
D: pendant chain mounting	①.Sucker	2	3-ø9 ø84	5136017	0.136 kg
	②.Chain	2	500mm	5136016	0.133 kg
G1: pendant pole mounting (1)	③.Ceiling bracket	2	70 ø9 36	51S01X1	0.050 kg
	④.M8 screw	2	350mm	51S01G2	0.130 kg
	⑤.Ceiling bracket (2)	2	85 ø9 36	5136030	0.070 kg
G2: pendant pole mounting (2)	⑥.Cable entry with locknut and seal, etc.	1	G3/4" G3/4"	5136G21	0.180 kg
	⑦.BHD(II C) explosion-proof pendant light Junction box	1	Aluminum alloy	5136031	0.964 kg
	⑧.Straight pipe (G3/4")	1	230mm	5136032	0.400 kg

Note: 1. Accessories not in the table should be supplied by user.

2. The quantity in the table is for one set of light fittings.








Installation accessories and spare parts table

supplied according to the mounting version

Mounting version	Accessories supplied with the light fittings			Ordering code	Weight
	Accessories fittings	Qty	Remark		
G2: pendant pole mounting(2)	⑨.Coupling with locknut, O ring	1		5136G11	0.180 kg
	⑩.Straight pipe(G3/4")	1	300mm	51D01G1	0.500 kg
L: pole mounting	⑪.Mounting plate (1)	2		5136012	0.060 kg
	⑫.G1 1/4" pipe clamp	2		5136014	0.057 kg
	⑬.Mounting plate (2)	2		5136013	0.050 kg
X: ceiling mounting	⑭.Mounting plate (3)	2		5136015	0.201 kg
	⑮.Wall bracket	2	Sheet steel welded	5136B02	0.830 kg

B: wall mounting
 Note: 1. Accessories not in the table should be supplied by user.
 2. The quantity in the table is for one set of light fittings.

Accessories and spare parts

Picture	Accessories fittings	Ordering code	Weight
	36W seal	5136001	0.098 kg
	18W seal	5118001	0.103 kg
	Explosion-proof isolator switch	5136003	0.042 kg
	36W key	5136004	0.024 kg
	18W key	5118002	0.022 kg
	36W lamp holder	5136004	0.022 kg
	18W lamp holder	5118003	0.014 kg
	36W explosion-proof ballast	5136011	1.320 kg
	18W explosion-proof ballast	5118004	1.320 kg

Light Fittings For Fluorescent Lamps

BAY51-Q Explosion-proof Plastic Light Fittings for Fluorescent Lamp

Power connection (36W as an example)



Open the cover

- ◆ Open the cover (transparent cover) with the key.
- ◆ Insert the key, push and rotate the key, until the sign of the switch move to "OPEN". (No hinge between the cover and housing)
- ◆ Warning: tighten after the key insert, and undo the spring, then rotate the cover.



Open the lamp fittings

- ◆ After open the cover, pull the clamp support open at the end of the lamp fittings.



Power connection

- ◆ Cable entry and terminals at both ends of the light fittings, connect one of them, power on. Power cable enters into the light fittings through cable entry. Connect wire L, N, PE to terminal 1, 2, 3 reliably and ensure the inner electric clearance. After connection, lock the cable entry.



Close the cover

- ◆ Check that the connection is right, reset the lamp fittings and close the transparent cover, screw the switch.
- ◆ Revolve the key to make pointer in line with corresponding triangle mark, then the shell is locked or opened!

Relamp (36W as an example)



Take out the lamp

- ◆ The lamp holder is specially designed.
- ◆ Put the handle at two ends of lamp holder to "ON", take the lamp out.



Install the lamp

- ◆ Put the handle of the lamp holder to "ON", take the lamp and press the pin into the groove, ensuring the reliable contact to inductive film, then put the lamp to "OFF".