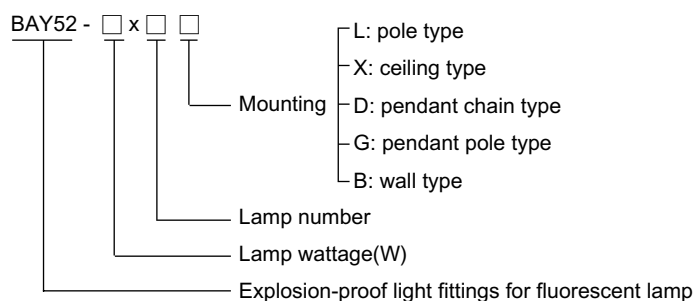




BAY52-□ x □□ Series Explosion-proof Light Fittings for Fluorescent Lamp

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in Zone 1 and Zone 2
- ◆ Available lamp wattage: 18W x 1, 36W x 1, 18W x 2, 36W x 2.
- ◆ Enclosure in copper-free aluminium, powder coated external surface, yellow.
- ◆ Different mounting types.

Catalogue number logic



Selection table

Type/Ordering code	Lamp wattage (W)	Weight (kg)	Type/Ordering code	Lamp wattage (W)	Weight (kg)
BAY52-18 x 1X	18 x 1	3.90	BAY52-18 x 2X	18 x 2	7.60
BAY52-18 x 1L	18 x 1	4.00	BAY52-18 x 2L	18 x 2	7.30
BAY52-18 x 1D	18 x 1	4.20	BAY52-18 x 2G	18 x 2	7.90
BAY52-18 x 1G	18 x 1	4.20	BAY52-18 x 2B	18 x 2	8.50
BAY52-36 x 1X	36 x 1	4.80	BAY52-36 x 2X	36 x 2	10.80
BAY52-36 x 1L	36 x 1	5.00	BAY52-36 x 2L	36 x 2	10.50
BAY52-36 x 1D	36 x 1	5.10	BAY52-36 x 2G	36 x 2	11.10
BAY52-36 x 1G	36 x 1	5.10	BAY52-36 x 2B	36 x 2	11.70

Note: Products above include all the mounting accessories listed in Mounting Accessories & Spare Parts Table (see P2/16-17).

Wall type is applicable for dual-lamp light fitting only.

Pendant chain type is applicable for single-lamp light fitting only.

Zones 1&2

Light Fittings for Fluorescent Lamp

BAY52 Series Explosion-proof Light Fittings for Fluorescent Lamp

2

Technical data

Explosion-proof light fittings for fluorescent lamp

BAY52 □ - □ □

Explosion protection

Gas explosion protection

II 2G Ex d IIC T6

Certificates

For gas explosion protection

PCEC (China)

Conformity to standards

IEC 60079-0:2004; IEC 60079-1:2003

Material

Enclosure

Copper-free aluminium, powder coated external surface, yellow.

Ballast

Choke ballast

Exposed fastener

Stainless steel

Lamp

Lamp

PHILIPS T8 (supplied with the light fittings)

Wattage(W)

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

Rated voltage

220~240V AC 50Hz

Earthing protection

M5 (internal & external earth bolt)

Degree of protection

IP65

Ambient temperature

-20°C ~ +55°C

Terminal

3 x 1.5~2.5mm² (L+N+PE)

Cable entries

1 x G3/4" (1 x M25 x 1.5 for pole type dual-lamp light fittings; M25 x 1.5 or M20 x 1.5 with reducer on request)

Cable gland

See Mounting Accessories and Spare Parts Table

Available cable outer diameter

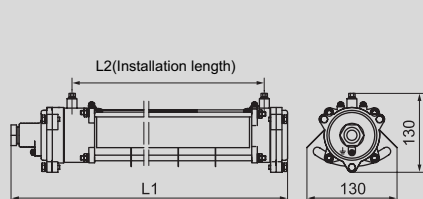
Ø10~Ø14 (mm)

Dimensions

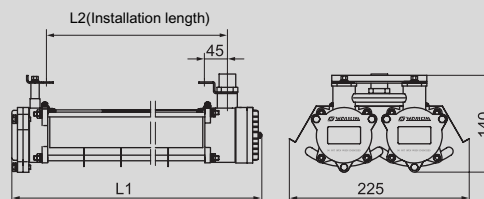
Type	Size (mm)	
	L1	L2
BAY52-18 x 1 □	870	744
BAY52-36 x 1 □	1480	1354

Type	Size (mm)	
	L1	L2
BAY52-18 x 2 □	860	765
BAY52-36 x 2 □	1470	1375

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



BAY52- □ x1 □



BAY52- □ x2 □



Light Fittings for Fluorescent Lamp

BAY52 Series Explosion-proof Light Fittings for Fluorescent Lamp

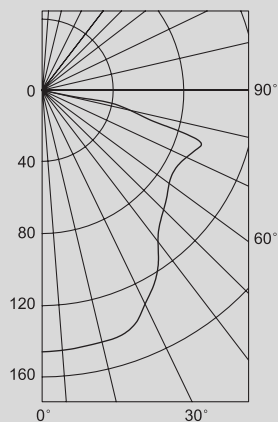
Photometric data

18W x 1 photometric data

Rated luminous flux:1050lm;

The data from PHILIPS lamp;

Luminous intensity distribution cd/1000lm



Angle	CP
0	153
5	153
10	152
15	150
20	150
25	145
30	131
35	118
40	109
45	104

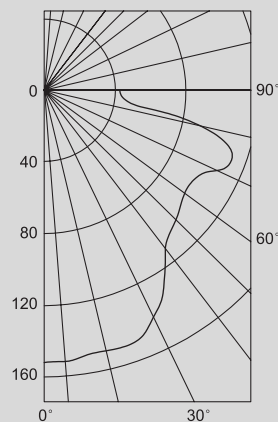
Angle	CP
50	99
55	95
60	94
65	102
70	105
75	74
80	42
85	0
90	0

36W x 1 photometric data

Rated luminous flux:2500lm;

The data from PHILIPS lamp;

Luminous intensity distribution cd/1000lm



Angle	CP
0	335
5	334
10	330
15	331
20	325
25	304
30	277
35	249
40	236
45	230

Angle	CP
50	222
55	219
60	229
65	254
70	264
75	237
80	143
85	95
90	84

We can provide lighting design and data by professional lighting software DIALUX based upon stimulated site situation on request.

Light Fittings for Fluorescent Lamp

BAY52 Series Explosion-proof Light Fittings for Fluorescent Lamp

2

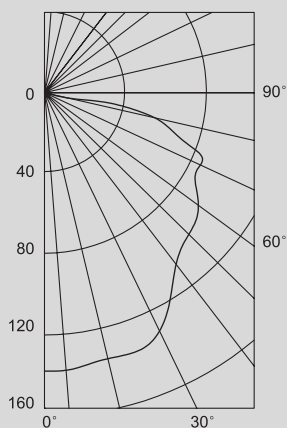
Photometric data

18W x 2 photometric data

Rated luminous flux:2100lm;

The data from PHILIPS lamp;

Luminous intensity distribution cd/1000lm



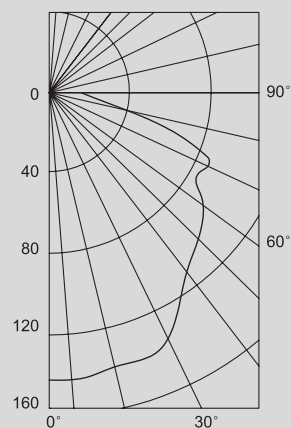
Angle	CP	Angle	CP
0	301	50	221
5	301	55	212
10	298	60	203
15	297	65	196
20	300	70	194
25	297	75	161
30	279	80	95
35	262	85	0
40	241	90	0
45	227		

36W x 2 photometric data

Rated luminous flux:5000lm;

The data from PHILIPS lamp;

Luminous intensity distribution cd/1000lm



Angle	CP	Angle	CP
0	726	50	505
5	723	55	480
10	714	60	438
15	717	65	438
20	719	70	382
25	683	75	260
30	649	80	160
35	601	85	107
40	555	90	63
45	529		

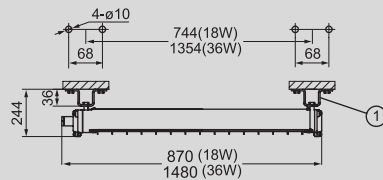


We can provide lighting design and data by professional lighting software DIALUX based upon stimulated site situation on request.

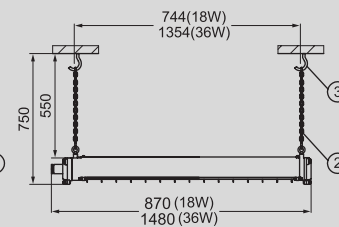
Mounting type for light fittings with single lamp tube

As reference to the installation of site

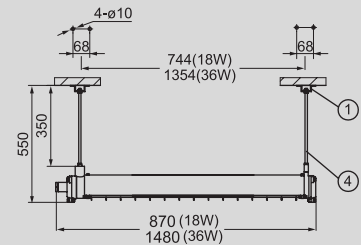
X: ceiling type



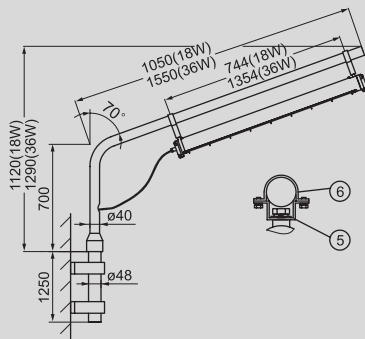
D: pendant chain type



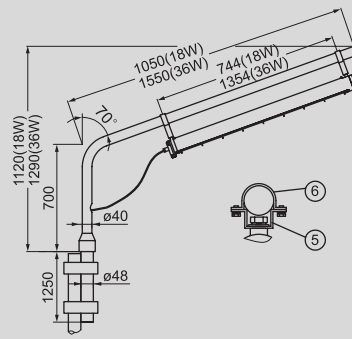
G: pendant pole type



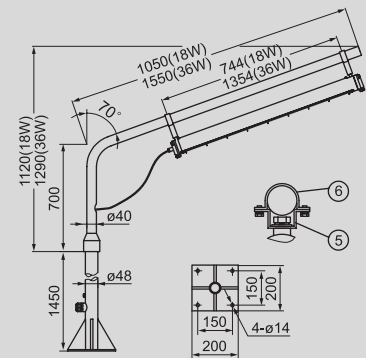
L: pole type (the pole is provided by user)



Suitable for wall pole type



Suitable for fence pole type



Suitable for ground pole type



Mounting accessories and spare parts table (light fittings with single lamp tube)

Supplied according to the mounting type

Mounting type	Accessories			Ordering code	Weight (kg)
	Name	Qty	Illustration		
X: ceiling type	①. Mounting bracket	2		51S01G1	0.05
	②. Chain	2	Length: 450mm	5136016	0.15
D: pendant chain type	③. Hook expansion bolt	2		52017	0.06
	①. Mounting bracket	2	Same as ceiling type	51S01G1	0.05
G: pendant pole type	④. M8 Screw	2	Length: 350mm	51S01G2	0.20
L: pole type	⑤. Mounting bracket	2		5136012	0.06
	⑥. G1 1/4" Pipe clamp	2		5136014	0.06

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

