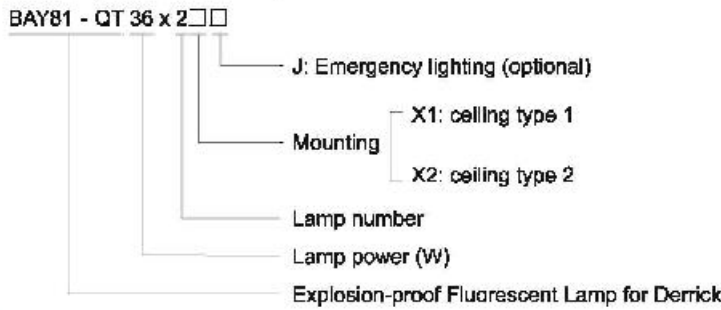




## Light Fittings for Fluorescent Lamp BAY81-QT Series Explosion-proof Fluorescent Lamp for Derrick

- ◆ 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 2, Groups A, B, C, D
- ◆ Polycarbonate transparent cover, high transmittance, resistance to heavy impact.
- ◆ Enclosure in copper-free aluminium, powder coated surface.
- ◆ Built-in electronic ballast, power factor  $\geq 0.95$ .
- ◆ Special-made mounting bracket, the illumination angle can be adjusted on request.
- ◆ Emergency function is available on request.
- ◆ End of lamp life (EOL) rectification effect protection.

### Catalogue number logic



### Selection table

Type/Ordering code	Lamp power (W)	Weight (kg)	Type/Ordering code	Lamp power (W)	Weight (kg)
BAY81-QT36 x 2 □	36 x 2	7.50	BAY81-QT36 x 2 □ J	36 x 2	9.25

**Note:** Emergency lighting function is unavailable for routine products, please specify if needed.

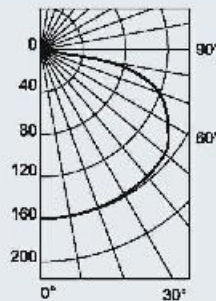
### Photometric data

#### 36W x 2 photometric data

Rated luminous flux: 5000lm;

The data from PHILIPS lamp;

Luminous intensity distribution cd/1000lm



Angle	CP	Angle	CP
0	798	50	772
5	795	55	745
10	793	60	716
15	791	65	679
20	787	70	621
25	789	75	532
30	792	80	372
35	791	85	0
40	787	90	0
45	779		

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

## Zones 1&2; 21&22

**Technical data**

**Explosion-proof Fluorescent Lamp for Derrick BAY81-QT 36 x 2□□**

**Explosion protection**

Gas explosion protection  
 Dust explosion protection

II 2 G Ex deq IIC T4 Gb  
 II 2 D Ex tb IIC T80°C Db IP66

**Certificates**

LCIE 13 ATEX \_\_\_\_\_; IECEx; PCEC (China)

**Conformity to standards**

EN 60079-0:2009, EN 60079-1:2007, EN 60079-5:2007, EN 60079-7:2007  
 EN 60079-31:2009  
 IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-5:2007, IEC 60079-7:2006  
 IEC 60079-31:2008

**Material**

Enclosure  
 Diffuser  
 Ballast  
 Exposed fastener

Copper-free aluminium, powder coated surface.  
 Polycarbonate, 90% light transmission, stands 7J Impact  
 Electronic ballast, power factor  $\geq 0.95$ .  
 Stainless steel

**Lamp**

Lamp brand  
 Lamp power (W)  
 Emergency power (W)

PHILIPS T8 (supplied with the light fittings)  
 36W x 2  
 36W x 1

**Emergency start time**

0.3s

**Charge time**

24h

**Emergency lighting time**

120min (180min is optional)

**Rated voltage**

96~254V AC 50/60Hz

**Degree of protection**

IP66

**Ambient temperature**

-20°C~+55°C

**Terminal**

3 x 1.5~4mm<sup>2</sup> (L+N+PE)

**Cable entries**

2 x G3/4" cable gland (DQM-I Ex e)

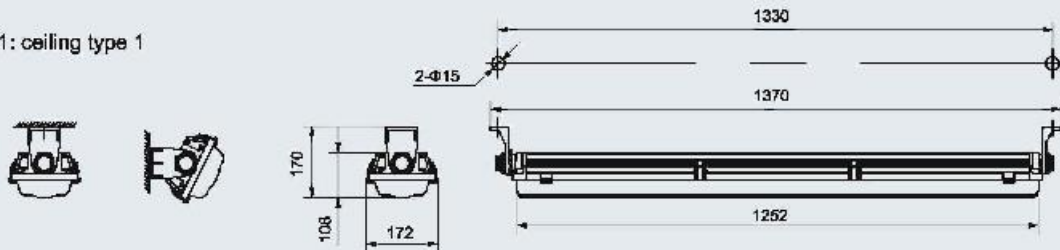
**Available cable outer diameter**

Φ 10~Φ 14 (mm)



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

X1: ceiling type 1



X2: ceiling type 2

