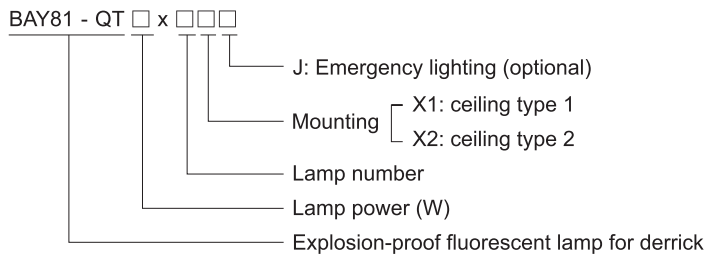


Light Fittings for Fluorescent Lamp BAY81-QT Series Explosion-proof Fluorescent Lamp for Derrick



- ◆ 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 diffuser, high transmittance, resistance to heavy impact.
- ◆ Main enclosure is extruding formed of copper-free aluminium, anodic-oxidation treatment for surface. Both ends of enclosures are die-casting formed of copper-free aluminium, powder coated surface.
- ◆ Built-in electronic ballast, power factor ≥ 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

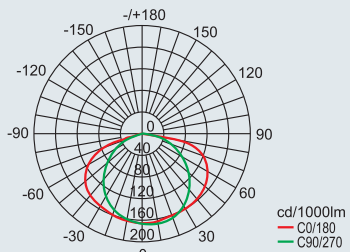
Type / Ordering code	Lamp power(W)	Weight(kg)	Type / Ordering code	Lamp power(W)	Weight(kg)
BAY81-QT18 x 2□	18 x 2	6.80	BAY81-QT18 x 2□J	18 x 2	7.50
BAY81-QT36 x 2□	36 x 2	8.50	BAY81-QT36 x 2□J	36 x 2	9.50

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

Photometric data

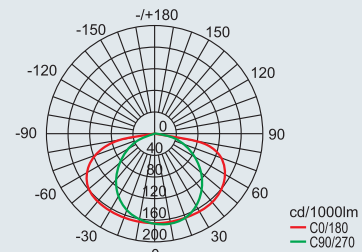
BAY81-QT 18W x 2

Rated luminous flux : 2600lm



BAY81-QT 36W x 2

Rated luminous flux : 6500lm



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

Zones 1&2; 21&22

Light Fittings for Fluorescent Lamp

BAY81-QT Series Explosion-proof Fluorescent Lamp for Derrick

Technical data

Explosion-proof fluorescent lamp for derrick BAY81-QT36x2□□

Explosion protection

Gas explosion protection
Dust explosion protection

⊕ II 2 G Ex d e q IIC T4 Gb
⊕ II 2 D Ex tb IIIC T80°C Db IP66

Certificates

ATEX and IECEx (applied for); PCEC (China)

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-5, EN 60079-7, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-5, IEC 60079-7, IEC 60079-31

Material

Main enclosure
Both ends of enclosure
Diffuser
Ballast
Exposed fastener

Copper-free aluminium, anodic-oxidation treatment for surface.
Copper-free aluminium, powder coated surface
Polycarbonate, 90% light transmission, stands 7J impact
Electronic ballast, power factor ≥ 0.95
Stainless steel

Lamp

Lamp specification
Lamp power (W)
Emergency power (W)

International brand of T8 tube (supplied with light fittings)
18W x 2, 36W x 2
18W x 1, 36W x 1

Rated voltage

96~254V AC 50/60Hz

Degree of protection

IP66

Ambient temperature

-40°C~+60°C

Terminal

3 x 1.5~4mm² (L+N+PE)

Cable entries

1 x G3/4"

Cable gland

Supplied with seal gasket and gland nut; Cable gland on request.

Available cable outer diameter

Φ 10~Φ 14 (mm)

Emergency data

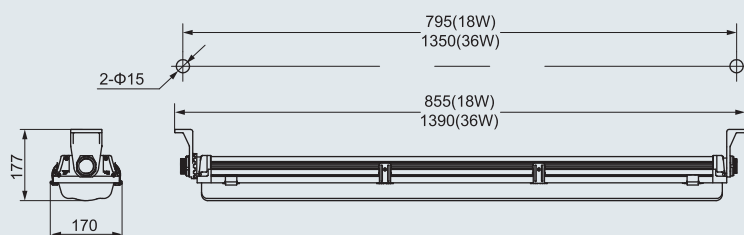
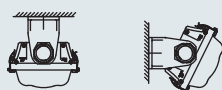
Emergency starting time
Charging time
Emergency lighting time

0.3s
24h
120min (180min is optional)



Mounting type (all dimensions in mm) - subject to alteration

X1: ceiling type 1



X2: ceiling type 2

