NEW-FBY006

LED Explosion-proof Light Tube
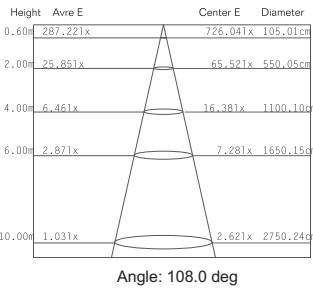### AC90-265V50Hz
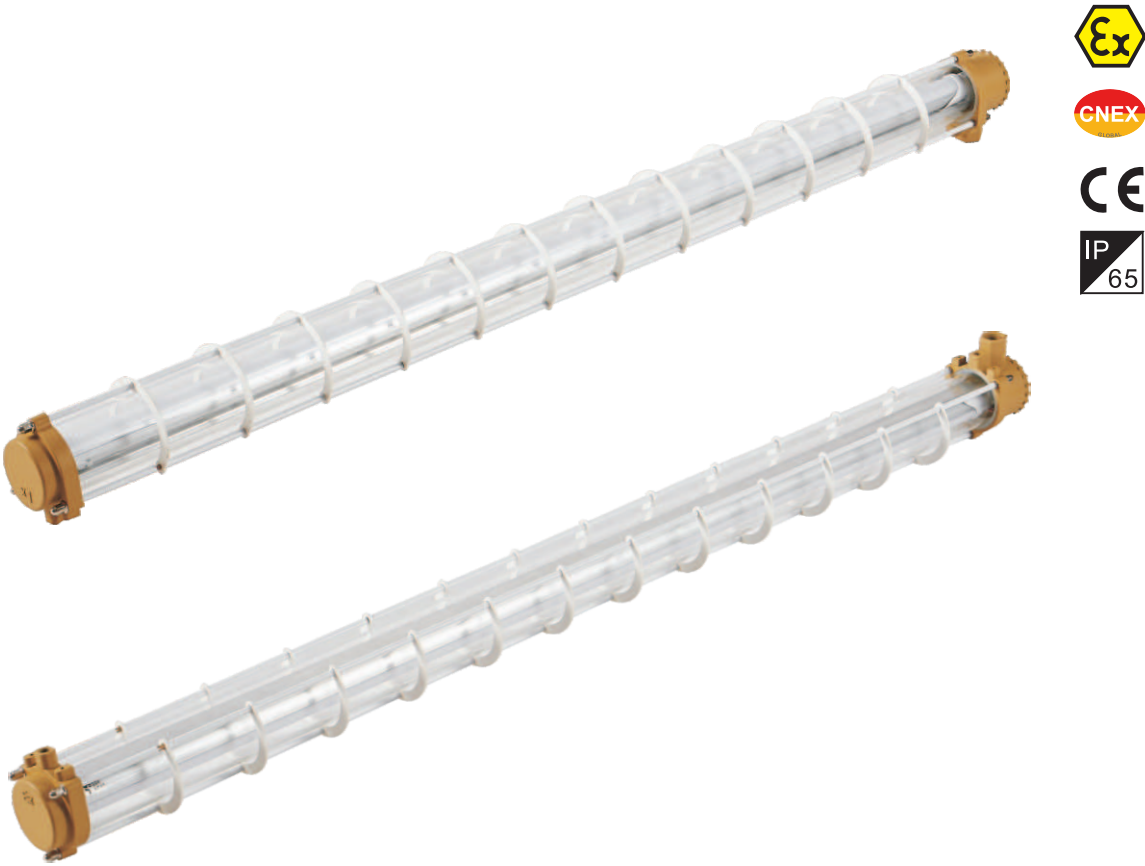
Model Name	NEW-FBY006	
Input Voltage	AC90-265V	
Power Frequency	50/60Hz	
Power Factor	≥0.96	
Wattage	1x8W	1x18W
Lamp Luminous Flux (LM)	1,100lm	2,400lm
Wattage	1x8W	1x18W

Luminous Efficiency	133 lm/W
CCT	3000 / 4000 / 6500 K
CRI	≥ 80Ra
Operating Temperature	-20°C~+45°C
IP Rating	IP65
LED Lifespan	> 50,000 hrs

1x18W AVERAGE AND CENTER E FIGURE

Height	Avre E	Center E	Diameter
0.60m	287.22lx	726.04lx	105.01cm
2.00m	25.85lx	65.52lx	550.05cm
4.00m	6.46lx	16.38lx	1100.10cm
6.00m	2.87lx	7.28lx	1650.15cm
10.00m	1.03lx	2.62lx	2750.24cm

Angle: 108.0 deg

1x18W LUMINOUS INTENSITY DISTRIBUTION

UNIT :cd
- C0/180
- C30/210
- C60/240
- C90/270

AVERAGE BEAM ANGLE(50%):136.3DEG

Dimension(mm)& Fixture Installation

1270

111
142

A Ceiling   B Tube   C Wall

2-Ø10   68.00   24
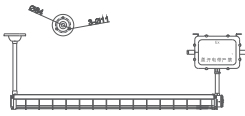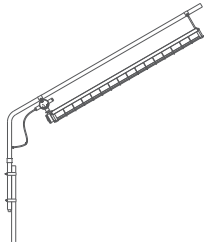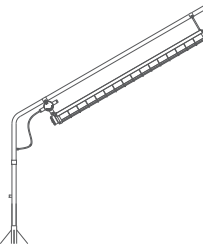
D Ceiling   E Ceiling   F Fence   H Flange

Features

Aluminium alloy Enclosure, high voltage electrostatic powder coated after shot blasted.
High strength toughened glass cover. BPY easy maintenance Explosion proof LED lamp
Exposed fasteners are of stainless steel with function of high corrosion-proof.
With grids to adjust lighting effect and reduce the glare.
Modular plug structure design, only need disconnect end cover draw out core to change tubes.
For fitting with emergency unit, It will automatically turn to emergency lighting when power circuit failed.
Inside the emergency unit designed with over charging and over discharging protection circuit.
Screw connection type, for easy installation and maintenance.
Power factor can be over 0.95.
Steel conduit or cable wiring.

Application

Suitable for explosive gas environment Zone1 and Zone2.
Suitable for IIA,IIB,IIC explosive gas environment.
Suitable for Hazardous dust area: Zone20, Zone21, Zone22.
Can be used in the environment of temperature group for T1~T6.
Lighting source: T8 tube.
Designed for petroleum explosion, refinery, storage, chemistry, medicine, military etc. sites with potential explosive atmosphere.

Technical Parameters

Meet a criterion:G3B3836.1, GB3836.2, GB12476.1, IEC60079-0,IEC60079-1, IEC61241-1, EN60079-0, EN60079-1, EN61241-1
Ex--proof Mark: Exd II BT6 Gb, Exd II CT6 Gb, DIP A21 TA, T6.
Lighting Source: 1x8W , 1x18W
Protection grade:IP54, IP65, IP66*(If need IP66, need to info us)
Corrosion-proof grade:WF1
Inlet Thread: G1/2" BPY easy maintenance Explosion proof LED lamp lighting fixture
Cable outer dia:6mm~10mm
Battery charging time:≤24h
Emergency Start time:≤0.3s
Emergency lighting duration:≥90min
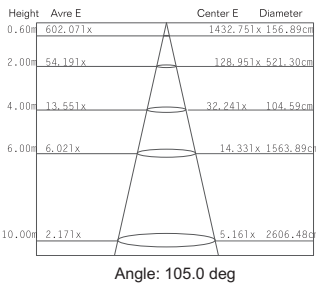
LED Explosion-proof Light Tube

AC90-265V50Hz
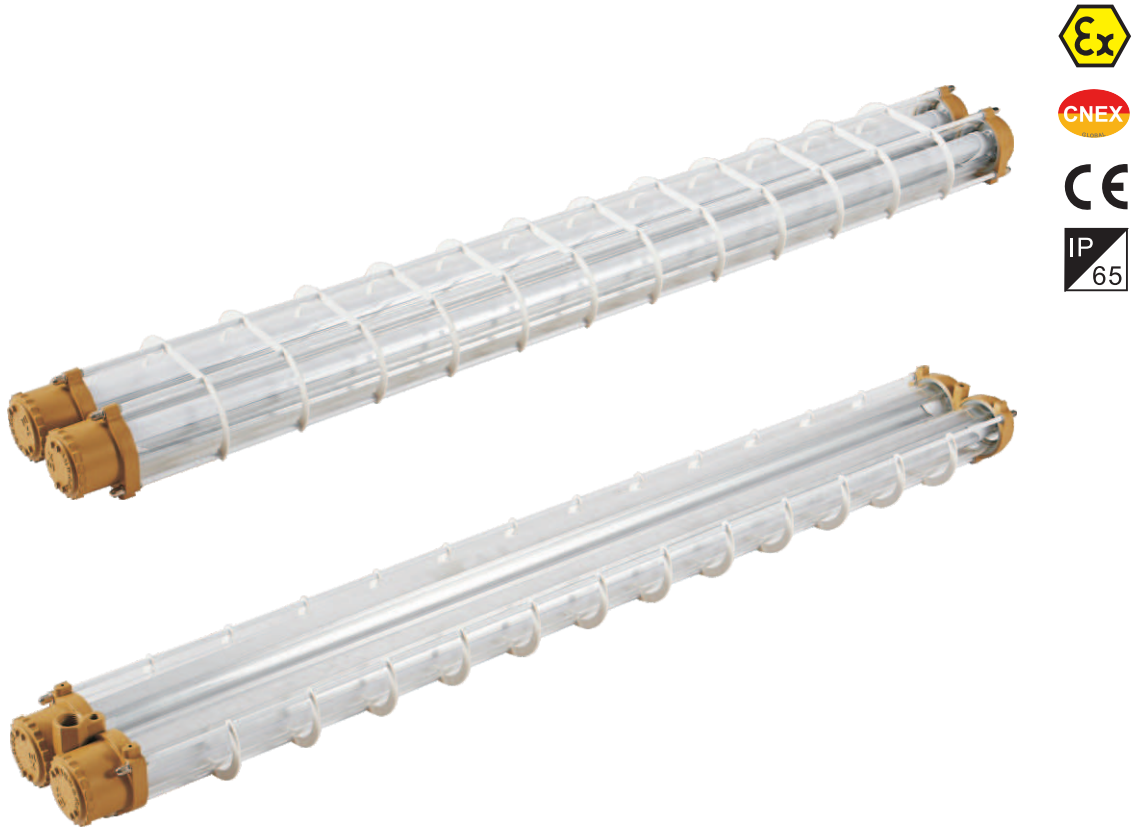
Model Name	NEW-FBY006	
Input Voltage	AC90-265V	
Power Frequency	50/60Hz	
Power Factor	≥0.96	
Wattage	2x8W	2x18W
Lamp Luminous Flux (LM)	2,200lm	4,800lm
Wattage	2x8W	2x18W

Luminous Efficiency	133 lm/W
CCT	3000 / 4000 / 6500 K
CRI	≥ 80Ra
Operating Temperature	-20°C~+45°C
IP Rating	IP65
LED Lifespan	> 50,000 hrs

2x20W AVERAGE AND CENTER E FIGURE

Height	Avre E	Center E	Diameter
0.60m	607.071x	1432.751x	156.89cm
2.00m	54.191x	128.951x	521.30cm
4.00m	13.551x	32.241x	104.59cm
6.00m	6.021x	14.331x	1563.89cm
10.00m	2.171x	5.161x	2606.48cm

Angle: 105.0 deg

2x20W LUMINOUS INTENSITY DISTRIBUTION

光强单位:cd
C0/180
C30/210
C60/240
C90/270

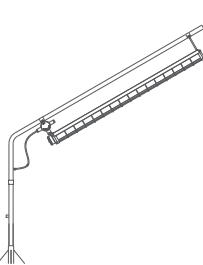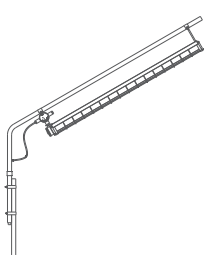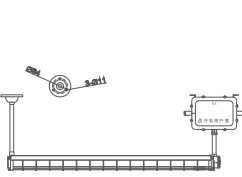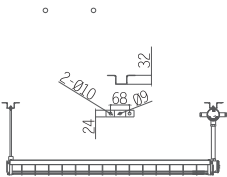AVERAGE BEAM ANGLE(50%):127.7 DEG

Dimension(mm)& Fixture Installation

1270
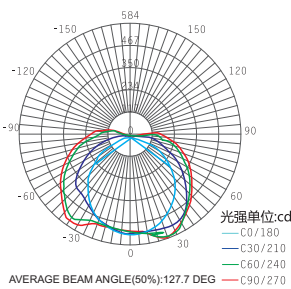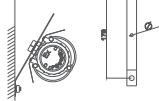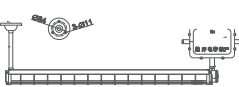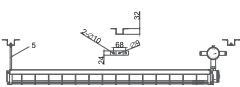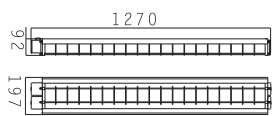
A Ceiling

B Tube

C Wall

D Ceiling

E Ceiling

F Fence

H Flange

Features

Aluminium alloy Enclosure, high voltage electrostatic powder coated after shot blasted.
High strength toughened glass cover. BPY easy maintenance Explosion proof LED lamp
Exposed fasteners are of stainless steel with function of high corrosion-proof.
With grids to adjust lighting effect and reduce the glare.
Modular plug structure design, only need disconnect end cover draw out core to change tubes.
For fitting with emergency unit, It will automatically turn to emergency lighting when power circuit failed.
Inside the emergency unit designed with over charging and over discharging protection circuit.
Screw connection type, for easy installation and maintenance.
Power factor can be over 0.95.
Steel conduit or cable wiring.

Application

Suitable for explosive gas environment Zone1 and Zone2.
Suitable for IIA,IIB,IIC explosive gas environment.
Suitable for Hazardous dust area: Zone20, Zone21, Zone22.
Can be used in the environment of temperature group for T1~T6.
Lighting source: T8 tube.
Designed for petroleum explosion, refinery, storage, chemistry, medicine, military etc. sites with potential explosive atmosphere.

Technical Parameters

Meet a criterion:G3B3836.1, GB3836.2, GB12476.1, IEC60079-0,IEC60079-1, IEC61241-1, EN60079-0, EN60079-1, EN61241-1
Ex---proof Mark: Exd II BT6 Gb, Exd II CT6 Gb, DIP A21 TA, T6.
Lighting Source: 2x8W , 2x18W
Protection grade:IP54, IP65, IP66*(If need IP66, need to info us)
Corrosion-proof grade:WF1
Inlet Thread: G1/2" BPY easy maintenance Explosion proof LED lamp lighting fixture
Cable outer dia:6mm~10mm
Battery charging time:≤24h
Emergency Start time:≤0.3s
Emergency lighting duration:≥90min