RDB98

Explosion proof and maintenance free energy–saving lamps (IIC, DIP)



Application

- ◆ Applicable to Area 1 and 2 of explosive gas atmospheres;
- ◆ Applicable to Area 21 and 22 of combustible dust atmospheres;
- ◆ Applicable to IIA, IIB, IIC of explosive gas atmospheres;
- ◆ Applicable to T1~T6/T4 temperature group;
- ◆ Applicable to petroleum mining, storage, chemical industry, military industry, military installation and other explosive dangerous environments.

Model implication

RDB98- F □ □ □ □

- J:With emergency functions (no note if not equipped)
- H;With junction box (no note if not equipped)
- 安装方式
  - g:Suspender type, X: Ceiling type
  - w:Curved member type, f: Flange type
  - h:Barrier type, z: Support type
  - b1:Wall type 30° , b2:wall type 90°
- Light–source power
- F:Universal light type
- Design serial number
- Explosion proof lamps and lanterns

Note: 1. The series lamps are equipped with light source of electrodeless lamp and power source when delivery.

2. Select model item by item according to light-source powers, installation ways and accessories when placing an order.

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Product feature

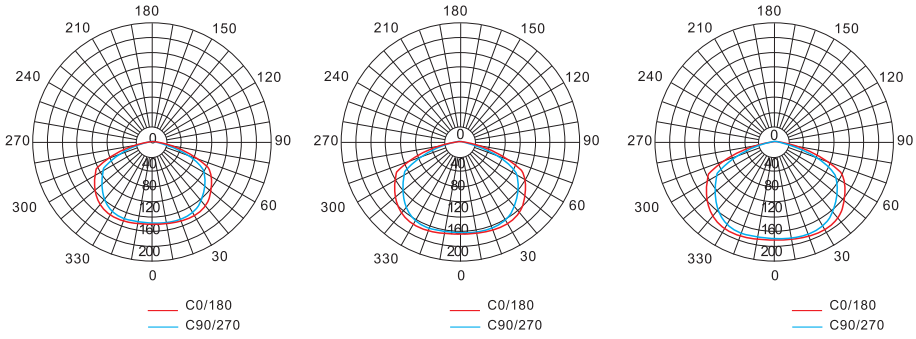
1.Housing is made of aluminum alloy with die–cast formation and high voltage electrostatic powder spraying treatment is carried out on the surface;
2.Fully independent separate design is used for light source cavity and power source cavity and fin structure housing is used to reinforce heat emission efficiency;
3.High strength engineering plastics glass lamp shade
4.Explosive–proof adjoining face of lamps is equipped with O seal ring with good waterproofness;
5.Exposed fastener is made of stainless steel materials;
6.Especially manufacture constant current power supply, high efficient, low power, constant power output, and have protection functions of open circuit, short circuit and overheat to ensure reliable operation of lamps and give full play to high efficiency and long service life of LED light source;
Professional chromed reflector can effectively improve luminous flux of lamp;
8.Full thread structure is used to quickly open and be easy for installation and maintenance;
9.Steel pipe wiring.

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Distribution curve flux



Main technical parameters

Executive standard ： GB 3836.1、GB 3836.2、GB 3836.3、GB 3836.9、IEC60079

Ex-mark ： ExdembIICT6Gb/ExtD A21 IP65 T80℃

Rated voltage ： AC 220V

Equipped light source ： LED

Rated power ： 20W、30W、40W 、50W、60W、70W、80W、100W

Light source power ： ⩾160lm/W

Power factor ： ⩾0.98

Corrosion-proof-class ： WF1、WF2

Entry spec ： G3/4"

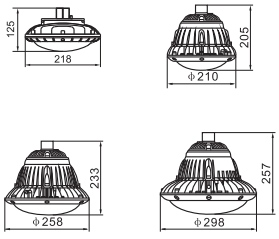
Cable's outer diameter ： Φ9mm ~ Φ14mm

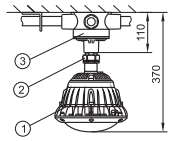
项目名称	金卤灯100W	RDB98-50W	金卤灯250W	RDB98-100W
额定功率(W)	100	50	250	100
工作电流(A)	1.15/220V	0.25/220V	2.10/220V	0.46/220V
功率因数(cos ϕ)	0.42	0.95	0.56	0.95
灯具有效光通量(lm)	5800	4500	11000	8200
使用寿命(h)	10000	50000	20000	50000
节能效果	近似的有效光通量，功率降低50%以上，节电55%以上，LED光源寿命延长5倍，减少维护费用，降低输配电系统损耗。			

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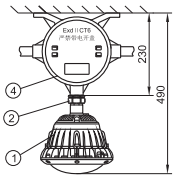
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Outlines & installation dimensions

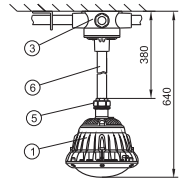




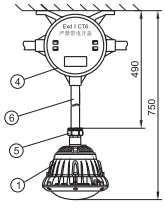
吸顶式(x)



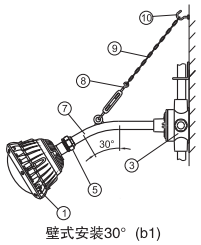
吸顶式(x)(带应急装置)



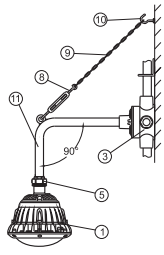
吊杆式(g)



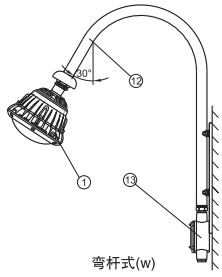
吊杆式(g)(带应急装置)



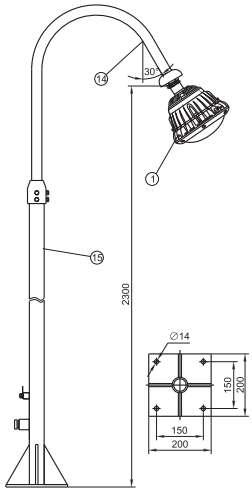
壁式安装30° (b1)



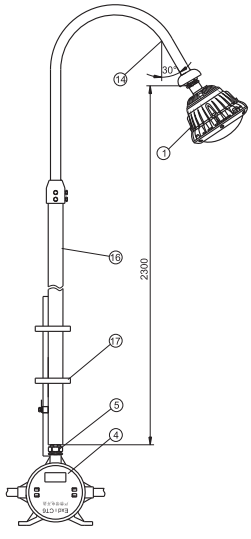
壁式安装90° (b2)



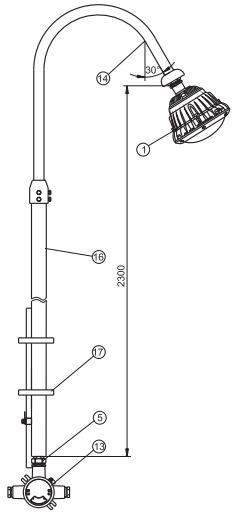
弯杆式(w)



法兰式(f)



(带应急装置) 护栏式(h)



1. Explosion–proof lamp
2. Explosion–proof union G3/4C
3. Junction box G3/4 "
4. Explosion–proof emergency device
5. Explosion–proof union G3/4B
6. Straight pole 300mm × G3/4 "
7. Curved pole 30° 300mm × G3/4 "
8. CC rigging turnbuckle M6
9. Chain (250mm)
10. Expansion screw M6
11. Curved pole 90° 500mm × G3/4 "
12. Curved member
13. Curved member G1″ steel pipe
14. Flange type lamp pole G11/2″
15. Barrier type lamp pole G11/2″
16. U pipe clamp
17. Three–way junction box G3/4″

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