cressa

**TECHNICAL DATA SHEET**

# Explosion Proof Linear Light

CS-EXLN

## 一、产品图片/Picture of real products






## 二、Application scenario

Shenzhen Cresea Technology Co.,Ltd
Website:www.cressaled.com Email: info@cressaled.com
Tel:+86 755 27063335

• It is applicable to efficient lighting in railway, electric power, metallurgy, petroleum, petrochemical, chemical, steel, aviation, ships and various plant areas, stations, large facilities, venues and other places.

• Areas 1 and 2 suitable for explosive gas environment;

• Suitable for IIA, IIB, IIC and Class II explosive gas environment;

• Suitable for places in Zone 21 and 22 of combustible dust environment;

• Applicable to T1-T6 (T5) temperature group;

• Suitable for energy-saving renovation projects and places where maintenance and replacement are difficult;

• Suitable for places with high protection requirements, damp and harsh environment;

• Suitable for places with high corrosion protection requirements, corrosion and harsh environment

## 三、 Product Features

• Electrical components: the light source adopts a first-line brand LED light emitting chip, with ultra-high luminous efficiency and an average service life of up to 100000 hours. The power supply adopts the latest wide voltage technology, with constant current output, short circuit, overvoltage protection and other functions.

• Heat dissipation design: the radiator is extruded from an integrated profile, with a tight structure and excellent heat conduction and heat dissipation performance.

• Explosion-proof structure: designed in strict accordance with the national explosion-proof standard GB3836, with reliable explosion-proof performance, fully meeting and higher than the national explosion-proof standard grade and design requirements

• Optical lampshade: It is made of high-strength optical-grade PC material with integrated injection molding, corrosion resistance and impact resistance, light transmittance up to 95%~98%, uniform and soft light irradiation, and anti-glare.

• Protection and corrosion prevention: the surface of the radiator of the lamp body is treated by anodic oxidation, the die-casting parts are treated by high-pressure electrostatic spraying, and the screw fasteners are made of stainless steel with high-precision processing technology. They are characterized by high corrosion resistance, high water resistance, and high dust resistance, which can meet the requirements of long-term normal operation of lamps in various harsh environments.

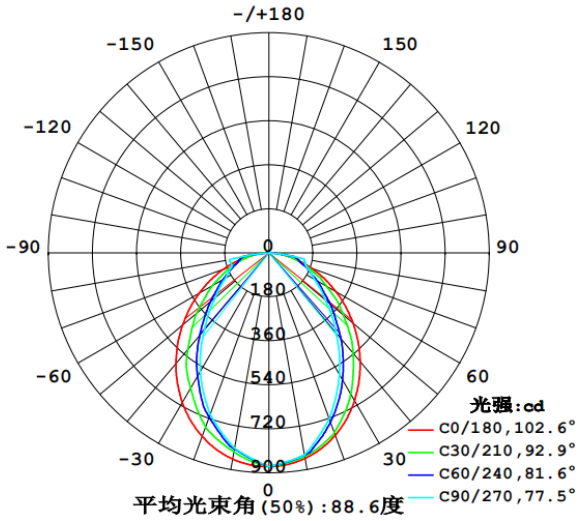
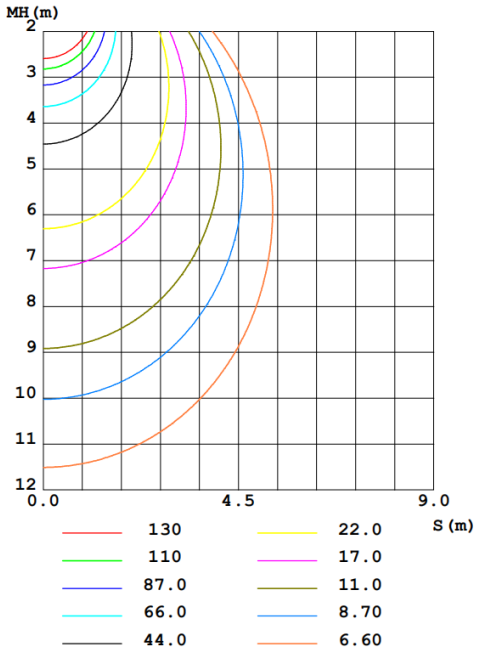
## 四、Product parameters

| Model | BF52-300 | BF52-600 | BF52-1200 |
|---|---|---|---|
| Power | 20-30W | 40-60W | 70-120W |
| LED Qty | 70pcs | 120pcs | 240pcs |
| Size | 335×125×77 mm | 635×125×77mm | 1143x125x77mm |
| weight | 1.7Kg | 3.2Kg | 6.2Kg |
| Lighting Angle | 120° | | |
| Rated Voltage | AC 220V 50/60Hz | | |
| Protection Level | IP66 | | |
| Explosion proof grade | ExnRIICT6GC | | |
| Anticorrosion grade | WF2 | | |
| Light efficiency | ＞90Lm/w | | |
| Power Factor | ＞0.95 | | |
| Operating Temperature | -20~40℃ | | |
| Light Source | led | | |
| Correlate Color Temperature | 3000-6500K | | |
| Color Rendering Index | ≥70RA | | |

Shenzhen Cresea Technology Co.,Ltd
Website:www.cressaled.com Email: info@cressaled.com
Tel:+86 755 27063335

| | |
|---|---|
| LED'S Operating Life | ＞100000h |
| Start-up time | ≤0.2s |
| Executive standard | GB3836.2、GB3836.9 |
| LEDs | 2835 |

## 五、Test report

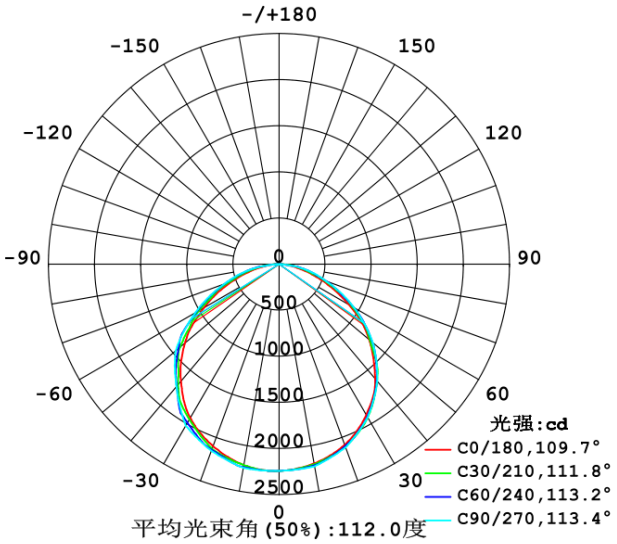
| 配光曲线图/Light distribution curve | 照度图/Illuminance diagram |
|---|---|
|  |  |
| BF52-300 | |

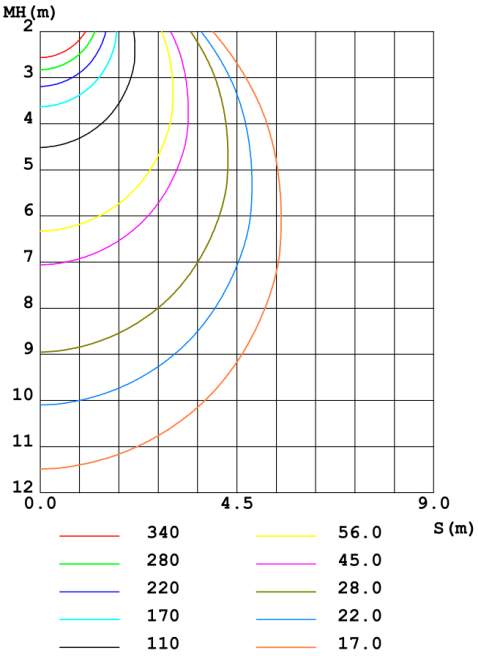




| 配光曲线图/Light distribution curve | 照度图/Illuminance diagram |
|---|---|

Shenzhen Cresea Technology Co.,Ltd
Website:www.cressaled.com Email: info@cressaled.com
Tel:+86 755 27063335

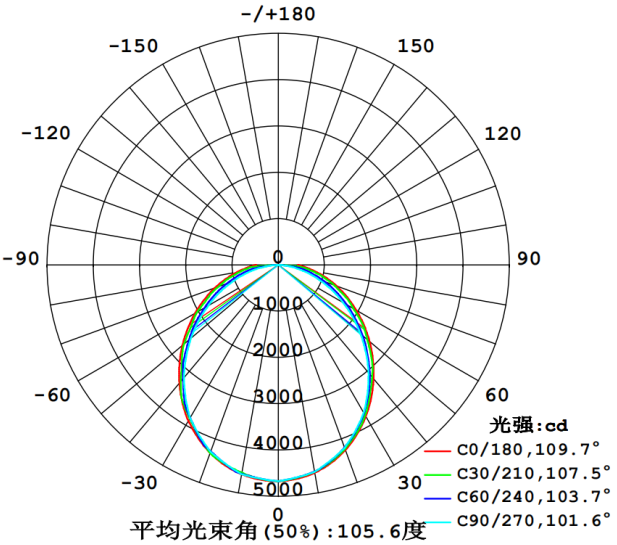


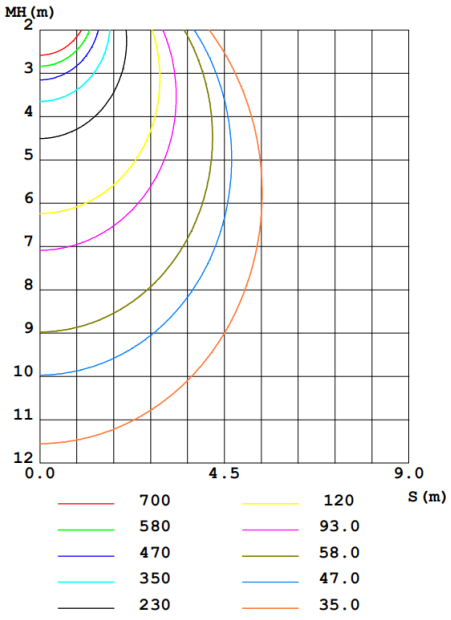




BF52-600

配光曲线图/Light distribution curve

照度图/Illuminance diagram

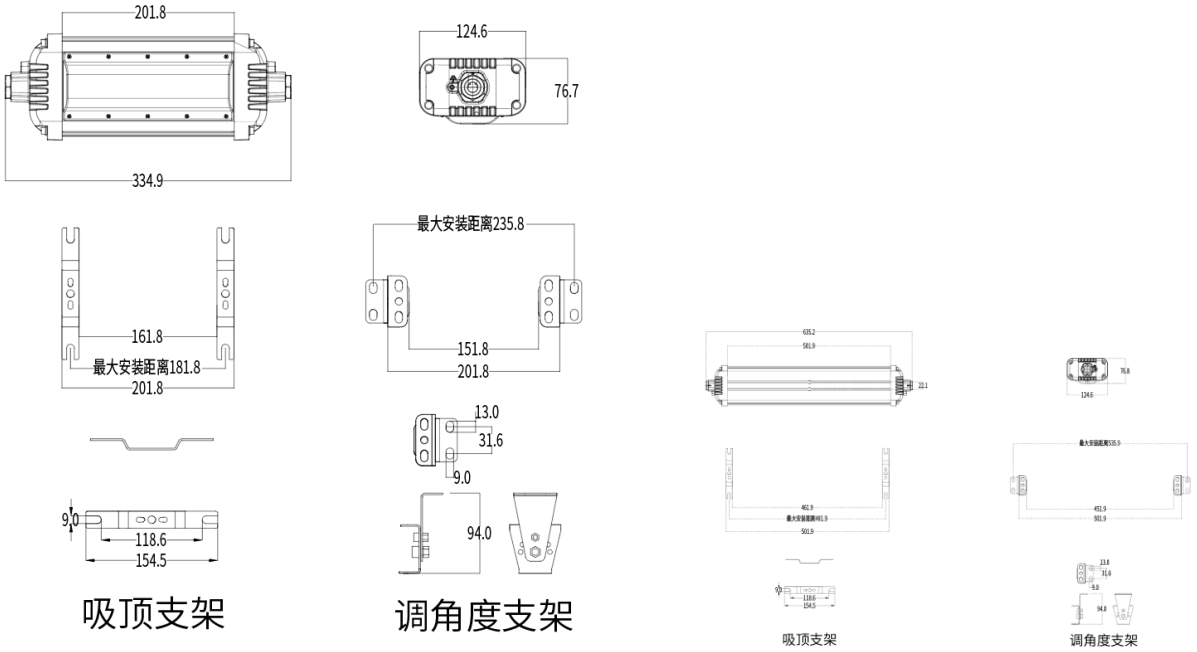



BF52-1200

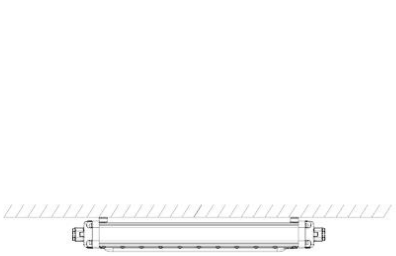
## 六、Dimensions

Shenzhen Cresea Technology Co.,Ltd
Website:www.cressaled.com Email: info@cressaled.com
Tel:+86 755 27063335

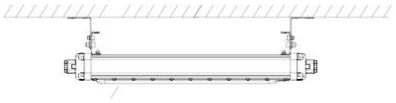



## 七、Install

Shenzhen Cresea Technology Co.,Ltd
Website:www.cressaled.com Email: info@cressaled.com
Tel:+86 755 27063335

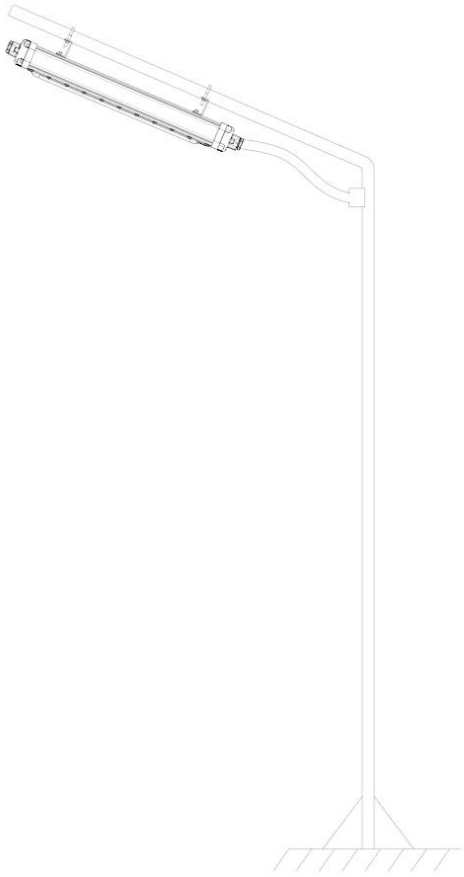


A. 吸顶安装



B. 吸顶调角度式安装

C. 吸壁调角度式安装



## 八、Package

| Item | BF52-300 | BF52-600 | BF52-1200 |
|---|---|---|---|
| Inner box | 37*10*13.2cm | 67*10*13.2cm | 118*10*13.2cm |
| Outer box | 39*43.2*29.2cm | 69*43.2*29.2cm | 120*22*29.2cm |
| N.W. | 1.7*8=13.6kg | 3.2*8=25.6kg | 4.9*4=19.6kg |
| G.W. | 14.8kg | 26.8kg | 21kg |
| Packaging method | 8pcs/CTN | 8pcs/CTN | 4pcs/CTN |

Shenzhen Cresea Technology Co.,Ltd
Website:www.cressaled.com Email: info@cressaled.com
Tel:+86 755 27063335

# 九、Caution

## Schematic diagram

1. Before installation, check whether the actual use conditions are consistent with the parameters listed on the lamp nameplate.

2. Before installation, please conduct power-on lighting detection according to the parameters of the lamp nameplate to ensure that the lamp has no quality problems before installation.

3. Before installation, the installation position and installation method of lamps must be determined according to the installation method provided by the product, combined with the site use environment and lighting requirements, to ensure that the installation is firm and reliable.

4. Connect the prepared cable with the input cable of the lamp according to the live wire (brown), zero wire (blue), and ground wire (yellow green) to ensure the connection is firm, and take insulation and waterproof measures at the connection.

5. Connect the input end of the cable to the power supply of corresponding voltage for lighting.

## Using The Matters Needing Attention

1. This product can only be used in flammable and explosive dangerous places corresponding to its explosion-proof grade.

2. During transportation, the lamps shall be installed in the cartons provided, and foam shall be added for shock absorption.

3. During use, there is a certain temperature rise on the surface of the lamp, which is a normal phenomenon.

4. The use voltage must be within the voltage range marked on the label before the lamp can work normally. Too high voltage will damage the lamp; If the voltage is too low, the lamp will not start normally.

5. Lamps must be reliably grounded.

Statement: If the user does not operate in violation of the above precautions, resulting in adverse consequences, our company will not bear.