

# **User manual**

## **FCC ID: 2AA55HUNHE120**

### **For Model: SBF6110-YQL120; SBF6105B-YQL120; SBD1105B-YQL120;**

#### **1. use**

Shanghai Senben Lighting Technology Incorporated Company's SBF6110-YQL120; SBF6105B-YQL120, SBD1105B-YQL120; Maintenance-free, Energy-saving, Waterproof, Dustproof and Corrosion-proof Factory Lamp, the light source is induction lamp, and has the high Luminous Efficiency, longer lifespan etc features, the luminaire adopts the integrated structure, aluminum alloy die-casted ballast box and incoming line cover with the surface painted with polyester powder, the luminaire has good protection and corrosion proof performances, is applicable for factory, exhibition hall, big super market etc, special for moist, dusty lighting of indoor and outdoor places; This product is applicable for the common lighting or emergency lighting of such indoor and outdoor place with mech dust or damp such as factory ,airport,tunnel,especially power plant and its boiler unit,iron& steel plant and

#### **2. Feature**

1. Maintenance-free, Energy-saving, Waterproof, Dustproof and Corrosion-proof Factory Lamp manufactured by Shanghai Senben Lighting Technology Incorporated Company is device for factory lighting, have good protection, the performance is reliable.
- 2.The luminaire adopts the integrated structure, closed structure, and pendant mounting type, have the independent light source cavity, electrical appliance cavity and connection cavity
- 3.The luminaire's electrical appliance cavity and connection cavity shell is die-casted by aluminum alloy, the surface is sprayed by pure polyester powder.
- 4.The light source cavity is spined by pure Aluminium sheet. The reflector is undergone anodic oxidation treatment, High reflectivity, good Oxidation resistance, long life-span. The light source cavity is adopted anodic oxidation treatment or polyester powder spraying, have good corrosion proof performance.
- 5.The luminaire is equipped with toughened glass transparent plate, high luminousness, good high intensity and good impact resistance
- 6.The connection cavity and electrical appliance cavity connection is fast dismantling structure, and prevent the trouble operation in aloft work, and is convenient for luminaire installation and maintenance.
7. Induction lamp is selected to be the fixture's light source, and is equipped with high stable frequency and high stable power output ballast, has the advantages, such as, voltage can be widely used, high light efficacy, no visual fatigue, long lifespan etc
- 8.This product is of flame-proof and increased safety structure, O type sealing rings are adopted in the flame proof joints to make this product fulfill the dust-proof structural requirements. The flameproof electrical box, increased safety illuminant chamber and junction box are casted from aluminum alloy

and painted with polyester on the outer surface.

9.The tensile strength of the aluminum alloy enclosure is no less than 120MPa and content of magnesium and titanium of the enclosure is no more than 7.5% of the total content, the enclosure is anti-corrosion. See Figure 2 for the light structure.

10.The flame proof electrical box shall subjected to specified internal explosion without any damage, the flame proof threads will provide a flame path to cooldown the enclosure in case of internal explosion.

11.Increased safety chamber is used as a reflector, it's casted by aluminum plate with anodizing on the internal surface and polycarbonate coated on the external surface. Light with 120W and 150W illuminant has assistant reflectors.

12.The maximum surface temperature of the enclosure shall be less than 80℃ without dust layer.

13.Flat toughed glass or polycarbonate prisma can be adopted as transparent plate.

14.Transparent plate and illuminant enclosure are fixed with aluminum alloy made hoop, it's endurable and reliable with good oxidation resistance.

15.Rubber sealing rings are adopted between flame proof electrical box and increased safety chamber, these will ensure the good ingress protection performance.

16.Electromagnetic induction illuminant equipped special ballast with high steady frequency and high steady power, make the light is available to work under a wide range of voltage with long service life, it will also ease visual fatigue.

17.The light is provided with cable entries(compression nut type) with rubber sealing rings inside for user's convenience to wiring and cable sealing.

18.Bulk type terminals make wiring reliable.

19.The light can be installed in pipe suspending type, ceiling type, wall mounting type, guard pole type and flange pole type. See Figure 2 for installation instructions.

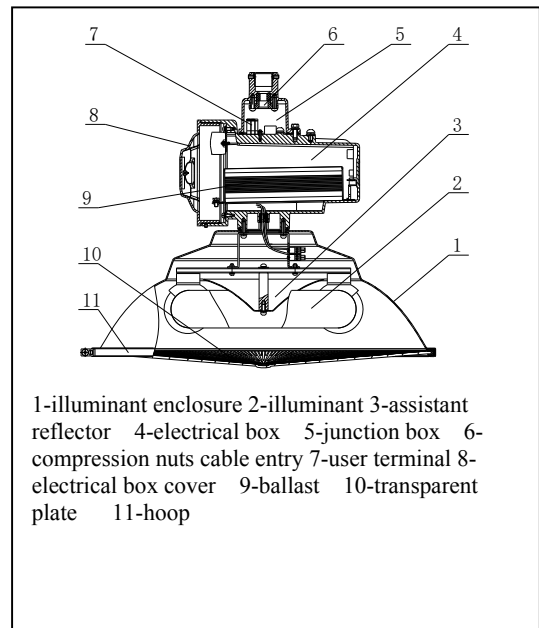


Figure2

### 3. Directions

1. Luminarie should be avoided to endure the impact of the external force, in order to avoid to affect the performance of explosion-proof and dust-proof

2. Luminarie's inlet wire guide wire should be multistrand core wires.

3. The luminarie has the Internal and external grounding screws, pls ground according to the regulation when installation.

4. Pls close the power and operate first when change the ballast and light source, then ensure the workers' safety.

Before mount, user should check the all of connecting bolt were screwed well, in case impact the luminaire's protection performance and safety

6. User should check the luminaire's electric whether it is in good condition regularly. In order to ensure the luminaire's efficiency, safety and life-span, user should clean the luminaire's surface

7. In order to ensure explosion proof lamp work and safety regularly, the serviceman should be trained professionally, then can install and maintance. Not-professional person should not open the fixture, and do not demount any fastening parts.

#### **4. Warning:**

This equipment is fit for FCC 18th regulation.

Any change and modification have not been allowed will cause the equipment's using permission failure.

This product may cause radio interference, can not be mounted at the place near marine Safety communications equipment, and other navigation and communications equipment operating frequency between 0.45 -30 MHz. If this happens, please change the output and move the luminaire, and away from other electrical appliances if this is happening.

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This device complies with Part 18 of the FCC Rules.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45–30 MHz. If this occurs, please change outlet or move the lamp far away from other appliance.