LED Flat Panel Light

◆ Product Description

The LED Explosion-proof Panel Light is specially designed for explosive gas environments such as coal mines. It features multiple protection characteristics including explosion-proof, dust-proof, water-proof, and corrosion-resistant, can replace traditional 125W metal halide lamps, and achieves more than 60% energy saving.
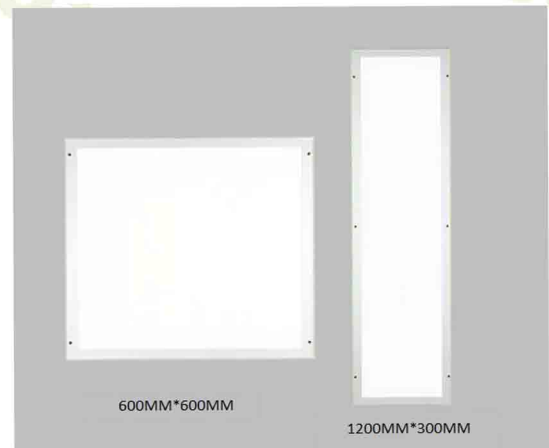
- Class I Explosion-proof Safety Assurance
- Highly Efficient, Energy-saving & Low Power Consumption
- Multiple Protection & Durable
- Long Service Life & Low Maintenance
- Flexible & High Adaptability

◆ Product Structure

- The LED explosion-proof panel light is widely used in various harsh industrial scenarios such as petrochemical industry, power energy, tunnel and underground projects, metallurgy, and ports. With characteristics including explosion-proof, dust-proof, corrosion-resistant, wide temperature adaptability and flexible installation, it meets the lighting needs of different high-risk and complex environments.

600MM*600MM

1200MM*300MM

◆ Typical Product Data and Physical Properties

Housing Material: Aluminum Alloy

Transparent Protective Cover: High Borosilicate Tempered Glass

Light Source Color: White

Protection Performance: IP66 Protection

Explosion-proof Rating: Class I

Luminous Efficacy: 100-120lm/W

Compressive Strength: ≥1.5MPa

Waterproof Performance: ≥100kPa

LED Junction Temperature Control: ≤80℃

Availability:

Item#	Size	Rated Power	Weight
1.4.24.01.1090	1200MM*300MM	48W	5kg
1.4.24.01.0687	600MM*600MM	58W	3.5kg

◆ Typical Applications

- The LED explosion-proof light is suitable for industrial high-risk scenarios such as chemical industry, petroleum and gas, coal mines, dust explosion-proof, metallurgy, and electric power. It can cope with complex environments including flammable and explosive, dusty and humid, vibrations and corrosion, providing safe, stable and continuous lighting for areas such as production workshops, warehousing areas, and roadways.

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only