HDL-W
Explosion-proof
Wind Direction Lamp

HDL-S
Explosion-proof
Status Light

HDL-F
Helideck
Explosion-proof
Floodlight

HDL-H
Helideck Explosion-proof
H Light

HDL-C
Helideck Explosion-proof
Circle Light

HDL-P
Explosion-proof
Perimeter Light

■ Application

◆ Widely used for landing aid signal on helideck of marine engineering oil and gas drilling platforms and ships etc. hazardous area.

◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion.

◆ Explosive hazardous atmosphere Zone 1, Zone 2.

■ Executive Standard

◆ Comply with CAP 437 ICAO Annex 14, IMO standard requirements.

◆ Comply with IEC60079, EN60079, GB3836, GB12476, standards.

■ System Features

◆ High-performance explosion-proof security

◆ Long-life LED light source> 100000h

◆ High degree of protection: IP66 / IP67

◆ High anti-corrosion design, adapt to the marine environment
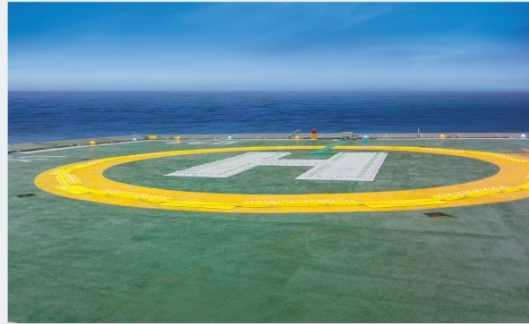
◆ Temperature: -40℃~+55℃

Zones 1&2

Fied Application

We attach importance to the quality of the products and pay attention to the needs of our customers.
The products have been applied to many projects at home and abroad. Well received by the users!
Welcome your opinion and feedback.

Control panel

Effect Map of Helicopter Landing Platform Aid System

Helideck Explosion-proof Floodlight

Night View Map of Helicopter Landing Platform Aid System

Explosion-proof Wind Direction Lamp

Explosion-proof Perimeter Light

Helideck landing aid signalisation lighting system

◆ Systematically meet CAP 437, ICAO standards;
◆ All the products and accessories installed on the platform of the helicopter platform are suitable for mounting in the range of ambient temperature(-40℃~+55℃);
◆ All explosion proof lamps and exposed fasteners installed on helicopter platforms can resist the corrosion of ocean environment.
◆ All lamps meet at least the requirements of the IEC international protection (IP) standard IP 66, i. e. Dust proof and strong water injection.

HDL-H
**Helideck Explosion-proof H Light**

⟨Ex⟩ II 2 G Ex db eb IIC T6 Gb
⟨Ex⟩ II 2 D Ex tb IIIC T80℃ Db IP66/IP67

◆ Enclosure uses high quality maritime aluminium alloy, which is applied to the ocean environment.
◆ LED green light source, service life is up to 100000 hours.
◆ Standard light and bright light of light fittings can be switched through controlling the system and the dimming instruction of light fittings.
◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
◆ Total height is less than 25mm, protection degree is higher to IP66/IP67.

HDL-C
Helideck Explosion-proof Circle Light

⟨Ex⟩ II 2 G Ex db eb IIC T6 Gb
⟨Ex⟩ II 2 D Ex tb IIIC T80℃ Db IP66/IP67

◆ Enclosure uses high quality maritime aluminium alloy, which is applied to the ocean environment.
◆ LED yellow light source, service life is up to 100000 hours.
◆ Standard light and bright light of light fittings can be switched through controlling the system and the dimming instruction of light fittings.
◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
◆ Total height is less than 25mm, protection degree is higher to IP66/IP67.

HDL-P
Explosion-proof Perimeter Light

⟨Ex⟩ II 2 G Ex db eb IIC T6 Gb
⟨Ex⟩ II 2 D Ex tb IIIC T80℃ Db IP66/IP67

◆ Enclosure is precision casting by 316 stainless steel, powder coated on surface after finish machining, strong corrosion resistance.
◆ LED green light source, service life is up to 100000 hours.
◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
◆ Total height is less than 100mm, protection degree is higher to IP66/IP67.

Helideck landing aid signalisation lighting system

HDL-F
Helideck Explosion-proof Floodlight

⟨Ex⟩ II 2 G Ex db eb mb op is IIC T5 or T4 Gb
⟨Ex⟩ II 2 D Ex tb op is IIIC T95℃ or T130℃ Db IP66/IP67

◆ Enclosure uses maritime aluminium alloy, powder coated on surface after preservative treatment.
◆ LED white light source, service life is up to 100000 hours.
◆ In-built constant voltage constant current driving power, wide voltage input, constant power output, fast start, stable performance, surge resistance, overcurrent, open circuit, short circuit, etc. protection function.
◆ Total height is less than 135mm, protection degree is higher to IP66/IP67.

HDL-S
### Explosion-proof Status Light

⟨Ex⟩ II 2 G Ex db eb op is IIC T6 Gb
⟨Ex⟩ II 2 D Ex tb op is IIIC T80℃ Db IP66

◆ Enclosure uses maritime aluminium alloy, powder coated on surface after preservative treatment.
◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
◆ Through the control system, status instructions are given to the lamps. The red LED light source flashes and gives warning signals.
◆ Total height is less than 100mm, protection degree is higher to IP66/IP67.

### HDL-W
Explosion-proof Wind Direction Lamp

⟨Ex⟩ II 2 G Ex db eb op is IIC T6 Gb
⟨Ex⟩ II 2 D Ex tb op is IIIC T80℃ Db IP66

◆ Enclosure uses maritime aluminium alloy, powder coated on surface after preservative treatment.
◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
◆ Through the control system, status instructions are given to the lamps. The red LED light source flashes and gives warning signals.
◆ Total height is less than 100mm, protection degree is higher to IP66/IP67.

HRMD91
Explosion-proof Distribution Panels

⟨Ex⟩ II 2 G Ex db IIB+H_2 T6 Gb
⟨Ex⟩ II 2 G Ex tb IIIC T80℃ Db IP66

◆ Copper-free Aluminium Alloy enclosure, powder coated surface.
◆ Equipped with specialized hinge structure, which can prevent the flameproof joints from damage when opening and closing the box, and greatly prolong the service life of box.
◆ The boxes can be combined and installed freely to save space and meet the requirements of various distribution systems.
◆ Special requirements on request.

WAROM