



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEX Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX TUR 18.0027X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-10-14

Applicant: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No.555, BaoqianRoad, Jiading, Shanghai  
China

Equipment: **Explosion-proof perimeter light**

Optional accessory: Model: HDL-P Series

Type of Protection: **Flameproof enclosures "db", Increased safety "eb", and Equipment dust ignition protection by enclosure "tb"**

Marking: Ex db eb IIC T6 Gb  
Ex tb IIIC T80°C Db IP66/IP67

Approved for issue on behalf of the IECEX  
Certification Body:

**He Mei**

Position:

**Assigned certifier**

Signature:  
(for printed version)

*He Mei*

Date:

*2019-10-14*

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

**TUV Rheinland Industrie Service GmbH**  
Am Grauen Stein  
51105 Cologne  
Germany





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Date of issue: 2019-10-14

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Manufacturer: **WAROM TECHNOLOGY INCORPORATED COMPANY**  
No.555, BaoqianRoad, Jiading, Shanghai  
China

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2015** Explosive atmospheres – Part 7: Equipment protection by increased safety "e"  
Edition:5.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/TUR/ExTR18.0027/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/09](#)



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Certificate No.: **IECEX TUR 18.0027X**

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Date of issue: 2019-10-14

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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Explosion-proof perimeter light (Model: HDL-P Series)

HDL-P series explosion-proof perimeter lights mainly consist of enclosure, light source, diffuser, constant current source, lens, etc.; enclosure material is stainless steel 316, with powder coated on surface, diffuser chooses high quality optics PC material, can bear specified requirements of thermal upheaval, completely fit in marine severe environment; reliable explosion-proof performance, strong corrosion resistance, shock resistance; enclosure protection degree reaches IP66/IP67, with good earthquake proof effect, convenient installation and maintenance.

Degree of Protection: IP66/IP67

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. Select high temperature resistance cable (80 °C) for connection with wire diameter meeting sealing requirements, the specification is 1.5 mm<sup>2</sup> x 3.
2. Before application, separate ATEX and IECEx certified Ex eb IIC Gb/Ex tb IIIC Db IP66/IP67 cable gland or plug.
3. Explosion-proof LED tank inspection vessel Light fittings shall be earthed reliably, Inner wire is marine fire-resistant wire with CCS work certification (1.5 mm<sup>2</sup>), and external ground is at least 4 mm<sup>2</sup>.
4. During the installation of stop screw and other fasteners on cable, explosion-proof cable clamp sealing connector and substrate, shall all use torque wrench for locking operation, torque is 0.8 Nm.

## **Annex:**

[DE-IECEX\\_TUR\\_18.0027\\_00\\_Attachment.pdf](#)



Attachment to Certificate IECEX TUR 18.0027X

**Device:** Explosion-proof perimeter light  
Type(s): HDL-P Series

**Manufacturer:** WAROM TECHNOLOGY INCORPORATED COMPANY

**Address:** No.555, BaoqianRoad, Jiading, Shanghai, China

**General product information:**

HDL-P series explosion-proof perimeter lights mainly consist of enclosure, light source, diffuser, constant current source, lens, etc.; enclosure material is stainless steel 316, with powder coated on surface, diffuser chooses high quality optics PC material, can bear specified requirements of thermal upheaval, completely fit in marine severe environment; reliable explosion-proof performance, strong corrosion resistance, shock resistance; enclosure protection degree reaches IP66/IP67, with good earthquake proof effect, convenient installation and maintenance.

Catalogue number logic



**Technical data**

Type	Lamp information	Rated voltage	Rated power (W)
HDL-P2.4	LED	96V-256VAC 50/60Hz, 16V-32VDC	2.4
HDL-P2.5			2.5
HDL-P5.6			5.6
HDL-P6			6

**Environmental data**

Ambient temperature: -40°C ~ +60°C

Ingress protection: IP66/IP67



Attachment to Certificate  
IECEX TUR 18.0027X  
Revision 0

**“Specific Conditions of Use” for Ex Equipment:**

1. Select high temperature resistance cable (80 °C) for connection with wire diameter meeting sealing requirements, the specification is 1.5 mm<sup>2</sup> x 3.
2. Before application, separate ATEX and IECEx certified Ex eb IIC Gb/Ex tb IIIC Db IP66/IP67 cable gland or plug.
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