



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx KIWA 18.0002X

Issue No: 0

Certificate history:

Issue No. 0 (2018-04-09)

Status: **Current**

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Date of Issue: **2018-04-09**

Applicant: **Dietal**  
Route de Queuille  
63780 Saint Georges de Mons  
France

Equipment: **Luminaire, Model TPPL V1.5 EX**

Optional accessory:

Type of Protection: **e, Ib, mb, tb, op is**

Marking:

Ex e Ib mb op is IIC T5 Gb  
Ex op is tb IIIC T75 °C Db

Approved for issue on behalf of the IECEx  
Certification Body:

Pieter van Breugel

Position:

Certification Officer

Signature:  
(for printed version)

Date:

  
9 April 2018

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.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Kiwa Nederland B.V. (Unit Kiwa ExVision)  
Wilmsdorf 50  
7327 AC Apeldoorn  
P.O. Box 137  
The Netherlands





# IECEX Certificate of Conformity

Certificate No: IECEx KIWA 18.0002X Issue No: 0  
Date of Issue: 2018-04-09 Page 2 of 3  
Manufacturer: Dietal  
Route de Queuille  
63780 Saint Georges de Mons  
France

Additional Manufacturing location(s):

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 apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-18 : 2014 Edition:4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate does not indicate compliance with electrical 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:

[NL/KIWA/ExTR17.0009/00](#)

#### Quality Assessment Report:

[GB/ITS/QAR16.0008/01](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The luminaires Model TPPL V1.5 EX are LED light fittings for extended or continuous operation with full wireless monitoring and control and automatic servicing for optimal performance.

The luminaires are intended for fixed installations and are available in different versions and with different options as length (1 to 3 LED strip versions) and supply connections (with or without supply feedthrough for series connection of luminaires). They can also be provided with a control module (WCM) for wireless control and monitoring functions.

The luminaires consist of an enclosure in type of protection increased safety "e" or protection by enclosures "l". The electronics driver circuit is in type of protection encapsulation "m" and intrinsic safety "i", the LED's and WCM are in type of protection intrinsic safety "i".

Ambient temperature range: -20 °C to +50 °C (models with three-phase feedthrough wiring)  
-20 °C to +53 °C (models with single-phase feedthrough wiring)  
-20 °C to +55 °C (models without feedthrough wiring)

The luminaires provide a degree of protection of IP66/IP67 in accordance with IEC 60529.

### Electrical data:

Supply: 110 V - 277 Vac, 50 - 60 Hz

Power: 20 W (1 LED strip)

45 W (2 LED strips)

70 W (3 LED strips)

Feed-through wiring: single-phase: max. 20 A

three-phase: max. 16 A

Prospective short-circuit current: max. 1500 A

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

The luminaires shall be installed such that electrostatic charging and discharge is prevented during operation, maintenance and cleaning.