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Schedule

TYPE EXAMINATION CERTIFICATE No.

UL 20 ATEX 2310X Rev. 0

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Description of Product:

The L1915 Series of LED luminaires is suitable for use in hazardous location classified as Zone 2. This luminaire consists of one "nR" LED array chamber.

Nomenclature for Luminaires:

The complete luminaire catalogue number example is as follows:

Cat. No.	THT	H	1915	S	C	K	C	9	P0
	1	2	3	4	5	6	7	8	9

1 – Brand name

THT = Top Hi-Tech Co., Ltd.

2 – Category of product

H = HazLoc LED lighting

3 – Model name

1915 = Model L1915 Series

4 – Designates quantity of Tank

S = Single Tank (For 120 W, 140 W, 150 W, 180 W, 200 W, 220 W, 250 W only)

D = Dual Tank (For 240 W, 280 W, 300 W, 360 W, 400 W, 440 W, 500 W only)

5 – Designates type of Top Cover

C = Top Cover with opening

6 – Designates type of LED module

K = Circle SMD type

7 – Designates CCT of LED

C = Cool white

W = Warm white

8 – Designates voltage of luminaire

1 = 110 Vac

6 = 120 Vac

2 = 220 Vac

D = 230 Vac

9 = 277 Vac

F = 347 Vac

C = 480 Vac

9 – Designates wattage of luminaire

L0 = 120 W (For single Tank only)

N0 = 140 W (For single Tank only)

P0 = 150 W (For single Tank only)

S0 = 180 W (For single Tank only)

U0 = 200 W (For single Tank only)

W0 = 220 W (For single Tank only)

Y0 = 240 W (For dual Tank only)

25 = 250 W (For single Tank only)

28 = 280 W (For dual Tank only)

30 = 300 W (For dual Tank only)

36 = 360 W (For dual Tank only)

40 = 400 W (For dual Tank only)

44 = 440 W (For dual Tank only)

50 = 500 W (For dual Tank only)

Models covered are as follows:

Models	Ambient Temperature range	Temperature Rating
THTH1915SCKxyz	-20°C to +40°C	T5
THTH1915DCKxyz	-20°C to +60°C	T4
x can be C or W; y can be 1, 6, 2, D, 9, F or C; z can be L0, N0, P0, S0, U0, W0 or 25; zz can be Y0, 28, 30, 36, 40, 44 or 50		

The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 2) to the scope of EN 60079-28:2015.

Electrical data:

Models	Voltage (Vac)	Wattage (W)
THTH1915SCKxyz	110/120/220/230/277/347/480	120/140/150/180/200/220/250
THTH1915DCKxyz	110/120/220/230/277/347/480	240/280/300/360/400/440/500
x can be C or W; y can be 1, 6, 2, D, 9, F or C; z can be L0, N0, P0, S0, U0, W0 or 25; zz can be Y0, 28, 30, 36, 40, 44 or 50		



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Routine tests:

Routine dielectric strength testing according to clause 12.1 of EN 60079-15 is required.

Routine restricted breathing testing according to clause 12.2.2.1.2 of EN 60079-15 is required.

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Descriptive Documents:

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

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Special Conditions of Use:

- The luminaire shall not be opened.
- Potential electrostatic charging hazard – see instructions.
- The luminaire does not have a test port fitted.
- The gasket not to be replaced in the field.

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Essential Health and Safety Requirements:

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information:

The Models L1915 Series has in addition passed the tests for Ingress Protection to IP67 in accordance with EN60529:1991+A1:2000+A2:2013.

The trademark **THT-EX** or **THT-EX** will be used as the company identifier on the marking label.

