

Test Report

Philips Lighting Poland sp. z o.o.
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Poland

Product family: TL-D Fluorescent
Document No. PQL-2016-011
Product type: TL-D TUV 15W

Testing laboratory Name : Quality & Compliance lab Philips Lighting Poland sp. z o.o. - Pila

1. Product description

Tubular, fluorescent lamp, double-capped with G13 caps. TUV TL-D lamps are doubled-ended UVC (germicidal) lamps used in professional water and air disinfection units.

2. Survey according IEC standards of performance requirements, tests and results

Table 1 - Performance requirements

Clause or sub clause	Test	Short description of the test requirements	Results
1.	Cap dimensions	In accordance with IEC 61549	Pass
2.	Lamp dimensions	Table 2 (relevant lamp data sheet 190)	Pass
3.	Initial readings – electrical characteristic	Table 3 (relevant lamp data sheet 190)	Pass
4.	Initial readings a) UV Output b) Chromaticity co-ordinates x and y	Table 3 (relevant lamp data sheet 190)	Pass Pass

Table 2 - Lamps lengths

Lamp type	Lengths [mm] according to product specification (sheet DM190)					Cap Type	Results
	A	B		C	D		
	Max	Min	Max	Max	Max		
TLD 30W	437,4	442,1	444,5	451,6	28,0	G13	Pass

Table 3 - Initial readings (wattage, voltage, UV-C flux)

Lamp type		Initial reading		
		Lamp Wattage (Watts)	Lamp Voltage (Volts)	UV-C Flux [W]
TL-D TUV 15W 9280390040	Specification (DM190)	15,5 +/- 5% [W]	55 +/- 5 [V]	4,9/ -5% [W]
	Result	15,83	55,48	4,95
	Std dev	0,29	1,18	0,04
	Conclusion	Pass	Pass	Pass

Goods are in accordance with product specification.

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