
To:

Tomasz Wróblewski

Validation Engineer

Copy:

N.A.

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From:

Dalida Fuks

KET Laboratory

Quality Lab Technician

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Object: UNISTREET GEN 2; SAMPLE WITH NEW CABLE GLAND

Product description:

Brand: Philips

Family name: UNISTREET GEN 2

Family code: BGP 282

Led Module or Lamps:

✓

Electric Components in Product:

✓ **Driver:**

✓ **SPD:**

✓ **Other:**

Luminaire characteristics:

✓ **Electrical Class:**

✓ **IP Classification:** 66

✓ **IK Classification:**

✓ **Ta(°C):**

✓ **Un(V):** 220-240

✓ **fn (Hz):** 50-60

✓ **I LedModule (mA):** 650

✓ **Luminaire installation:**

Tests according to:

☒ EN 60598-1:2015 Luminaires - Part 1: General requirements and tests

+ EN 60598-1:2015/AC:2015 + EN 60598-1:2015/AC:2016, section 9.2

☐ EN 60598-2-1:1989 Luminaires - Part 2: Particular requirements - Section 1: Fixed general purpose, section 1.12

☐ EN 60598-2-2:2012 Luminaires - Part 2-2: Particular requirements - Recessed luminaires, section 2.14

☒ EN 60598-2-3:2003 Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting + EN 60598-2-3:2003/A1:2011 + EN 60598-2-3:2003/AC:2005, section 3.13

☐ EN 60598-2-5:2015 Luminaires - Part 2-5: Particular requirements - Floodlights section 5.13

☐ EN 60598-2-22:2014 Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting + EN 60598-2-22:2014/AC:2015, section 22.13

Test Equipment:

☐ PTL Dr. Grabenhorst GmbH type P03.26PL, Nozzle- **IP X5**

☒ PTL Dr. Grabenhorst GmbH type P03.28PL, Nozzle- **IP X6**

☒ PTL Dr. Grabenhorst GmbH type P14.21 S/N 5001488, Dust chamber **IP 5,6X**

☐ PTL Dr. Grabenhorst, P01.18PL, Rainfall - **IP X 1,2**

☐ PTL Dr. Grabenhorst, P02.27PL, Water spray aparatus - **IP X 3,4**

☐ PTL Dr. Grabenhorst, P10.24, , Sphere, IEC 60529 ,UP057 - **IP 1X**

☐ PTL Dr. Grabenhorst, P10.14, ,Standard test finger UP030 - **IP 2X**

☐ PTL Dr. Grabenhorst, P10.26, $\varnothing 2,5_{mm}$,Wire testing, UP034 - **IP3X**

☐ PTL Dr. Grabenhorst, P10.27, $\varnothing 1,0_{mm}$ PTL Dr. Grabenhorst , Wire testing, UP033 -

IP4X

☒ Altec thermocouple meter

☒ Validation thermocouple nr.4

☐ Torque wrench Gedore 2,5-25 Nm

☐ Torqueleader ADS 12D 1-12Nm

☒ Thermohigrometer LAB_EL LB-701, nr 799

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Test Results:

☒ **PASS**

☐ **FAIL**

Tested by:

- ☐ Aneta Lewandowska
☒ Dalida Fuks
☐ Michał Szepietowski
☐ Piotr Jakubiec
☐ Konrad Micinski
☐ Andrzej Haluszka

Test date: 16-20.04.2020

Approved by:

- ☒ Dariusz Pierzchanowski

Issue date: 20.04.2020

9.2	TEST FOR INGRESS OF DUST, SOLID OBJECTS AND MOISTURE	REMARKS	RESULT
	Endurance test before IP	NO	-
	- classification according to IP	<input type="checkbox"/> IP2X Solid-object-proof <input type="checkbox"/> IP3X Solid-object-proof <input type="checkbox"/> IP4X Solid-object-proof <input type="checkbox"/> IP5X Dust-proof <input checked="" type="checkbox"/> IP6X Dust-tight <input type="checkbox"/> IPX1 Drip-proof <input type="checkbox"/> IPX2 Drip-proof <input type="checkbox"/> IPX3 Rain-proof <input type="checkbox"/> IPX4 Splash-proof <input type="checkbox"/> IPX5 Jet-proof <input checked="" type="checkbox"/> IPX6 Powerful jet-proof <input type="checkbox"/> IPX7 Watertight <input type="checkbox"/> IPX8 Pressure watertight	P
	- mounting position during test.....	SE	P
	- fixing screws tightened; torque (Nm)		----
	- tests according to clauses	9.2.7	P
	Environmental temperature (15~ 35°C)	23	P
	Relative humidity (25 ~ 75%):	50	P
	Atm. pressure (860 ~1060 mbar)	1023	P
	Water temperature (15 ± 10 °C)	13	P
	- electric strength test afterwards		N/A
	a) no deposit in dust-proof luminaire (IP5X)		N/A
	b) no talcum in dust-tight luminaire (IP6X)		P
	c) no trace of water on current-carrying parts or on insulation where it could become a hazard		P
	c.1) For luminaires without drain holes – no water entry		N/A
	c.2) For luminaires with drain holes – no hazardous water entry		N/A
	d) no water in watertight or pressure watertight luminaire (IPX7, IPX8)		N/A

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	e) no contact with live parts (IP 2X)		N/A
	e) no entry into enclosure (IP 3X and IP 4X)		N/A
	e) no contact with live parts through drain holes and ventilation slots (IP3X and IP4X)		N/A
	f) no trace of water on part of lamp requiring protection from splashing water		N/A
	g) no damage of protective shield or glass envelope		N/A

PHOTOS



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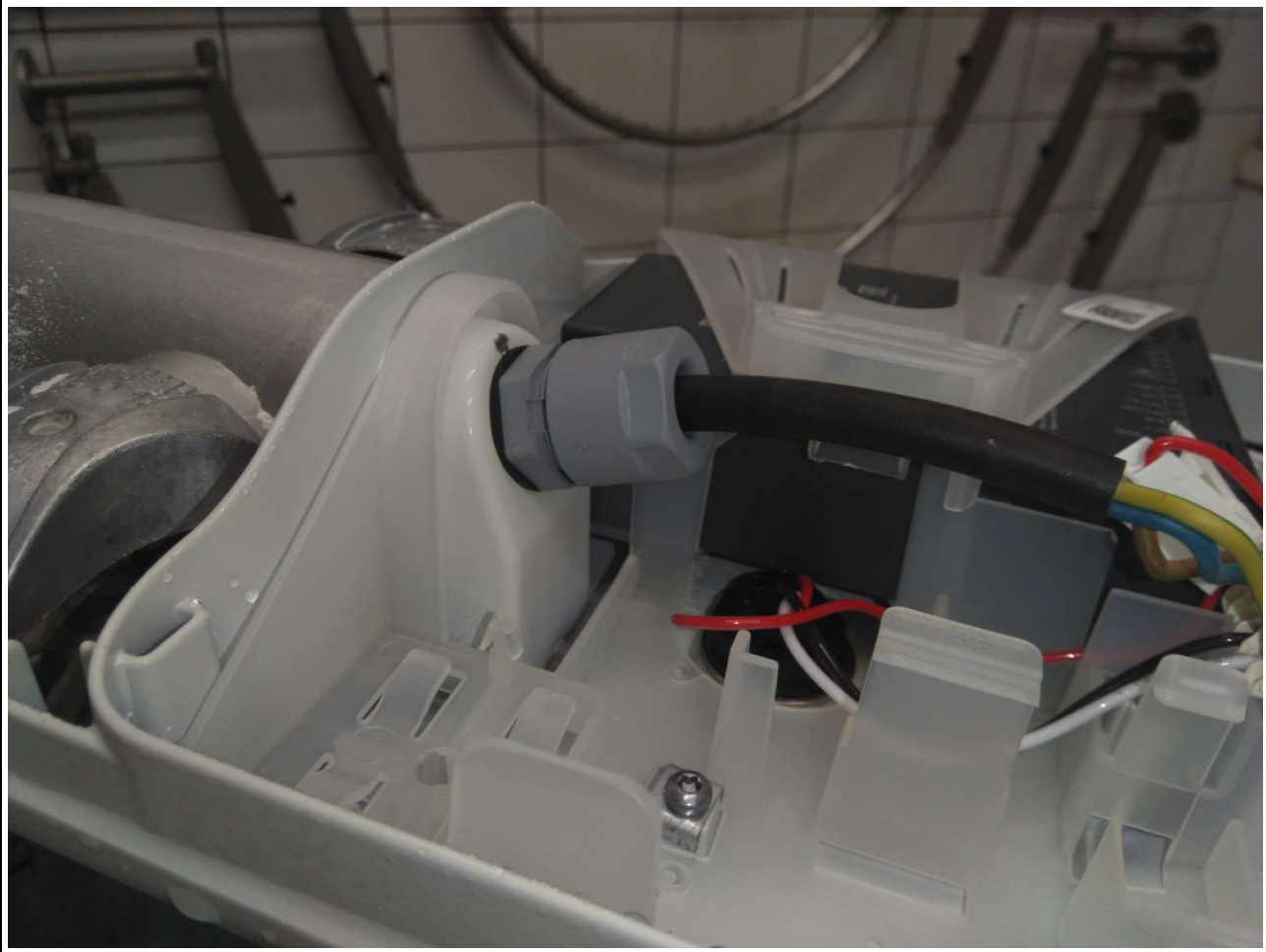
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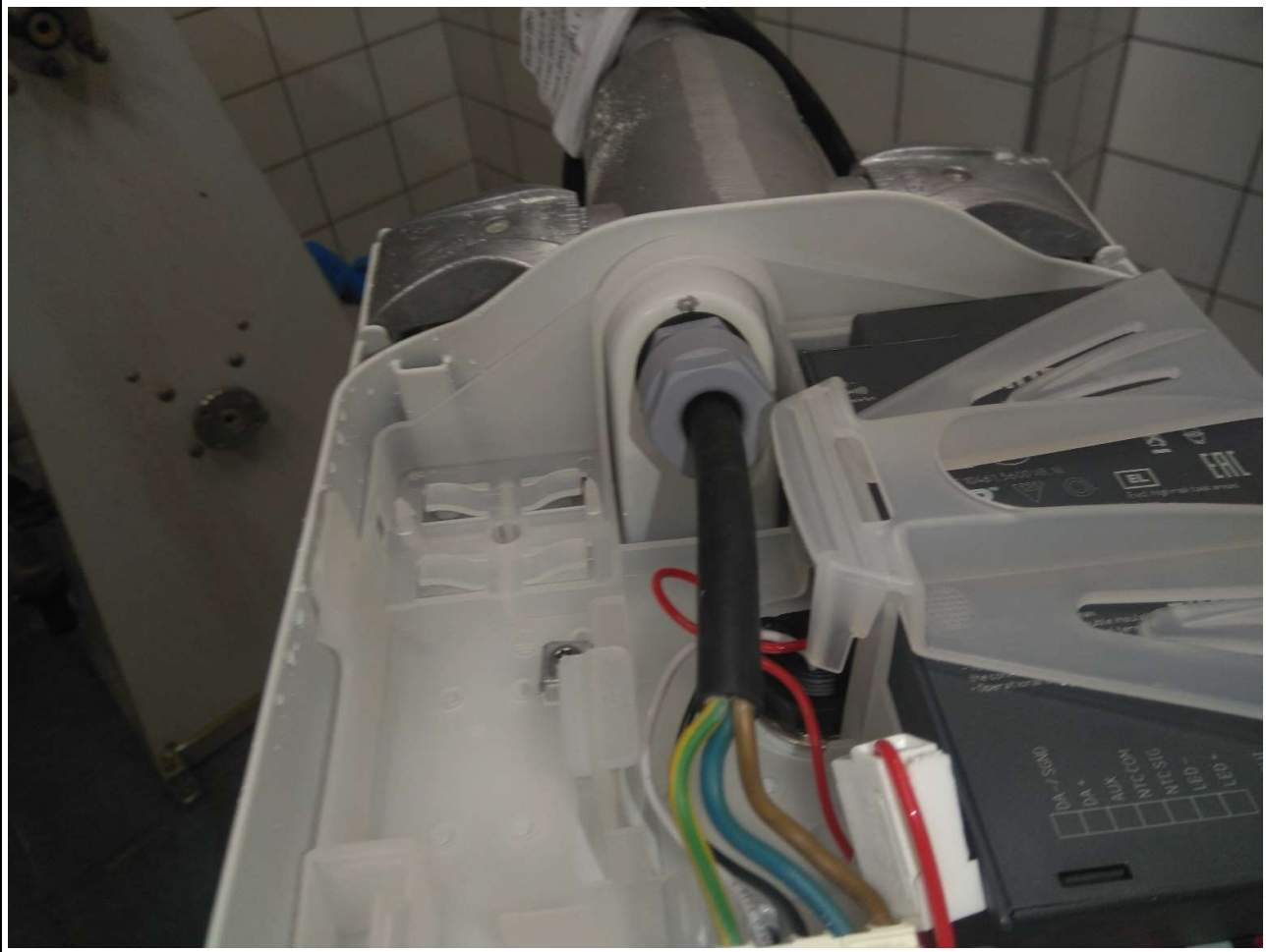
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CONCLUSIONS AND REMARKS

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