

To:

Dariusz Pierzchanowski

Quality Laboratory Manager

Copy:

-

From:

Dalida Fuks

Quality Lab Technician

Object: Coreline Malaga LED BRP102, periodical verification

Product description:

Brand: Philips

Family name: Coreline MalagaLED

Family code: BRP102 LED

Led Module or Lamps:

✓

Electric Components in Product:

✓ **Driver:**

✓ **SPD:** -

✓ **Other:** -

Luminaire characteristics:

✓ **Electrical Class:** II

✓ **IP Classification:** 65

✓ **IK Classification:** 08

✓ **Ta(°C):** 35

✓ **Un(V):** 220-240

✓ **fn (Hz):** 50/60

✓ **Luminaire installation:** On the bracket

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 aparatur - **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

☐ Dynamometer Gedore 2,5-25 Nm

☐ Torqueleader ADS 12D 1-12Nm

☒ Thermohigrometer LAB_EL LB-701, nr 799

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Address:

Signify Poland Sp. z o.o., oddział Kętrzyn
ul. B. Chrobrego 8, 11-400 Kętrzyn

Phone: +48 89 678 21 78

Test Results:

☒ **PASS**

☐ **FAIL**

Tested by:

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

Approved by:

- ☒ Dariusz Pierzchanowski

Test date: 10-05-2019

Issue date: 14-05-2019

	TEST FOR INGRESS OF DUST, SOLID OBJECTS AND MOISTURE	REMARKS	RESULT
	Endurance test before IP	YES/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 checked="" type="checkbox"/> IPX5 Jet-proof <input type="checkbox"/> IPX6 Powerful jet-proof <input type="checkbox"/> IPX7 Watertight <input type="checkbox"/> IPX8 Pressure watertight	P
	- mounting position during test.....	0 deg	----
	- fixing screws tightened; torque (Nm)	3,5 – glass holders	----
	- tests according to clauses	9.2.0	P
	Environmental temperature (15~ 35°C)		P
	Relative humidity (25 ~ 75%):		P
	Atm. pressure (860 ~1060 mbar)		P
	Water temperature (15 ± 10 °C)		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		P
	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
	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

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	f) no trace of water on part of lamp requiring protection from splashing water		P
	g) no damage of protective shield or glass envelope		P

PHOTOS



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CONCLUSIONS AND REMARKS

Luminaire fulfil requirements of IP65 protection.

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