

To : Mateusz Mieczkowski DG Engineer
Copy : Dariusz Pierzchanowski Quality Lab Manager
From : Piotr Jakubiec Quality Lab Technician

Cause of request :**Additional informations :** Malaga LED + Photocell Test IPX5**TECHNICAL DATA OF LUMINAIRE**

Designation luminaire: Street and road lighting luminaire
Family code : BRP101
Family name : Malaga LED
Led/Lamp Module : n/a
Driver / Ballast : n/a
Electrical Class : n/a
IP classification : 65
IK Classification : n/a
Luminaire installation : Post top/Arm
Ta (°C) : n/a
Un (V) : n/a
Revised/Relased component (12NC) :
Deliver of component :

IP TEST ACCORDING TO :**Choose**

EN 60598-1:2015 Luminaires - Part 1: General requirements and tests + EN 60598-1:2015/AC:2015 + EN 60598-1:2015/AC:2016	☒
EN 60598-2-1:1989 Luminaires - Part 2: Particular requirements - Section 1: Fixed general purpose	☐
EN 60598-2-2:2012 Luminaires - Part 2-2: Particular requirements - Recessed luminaires	☐
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	☒
EN 60598-2-5:2015 Luminaires - Part 2-5: Particular requirements - Floodlights	☐

The test results are only applicable to products subject to the laboratory and as defined in this document.
After testing, the products are returned or destroyed as indicated in the application test. The signed original test report will be archived in the case of the corresponding product

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EN 60598-2-22:2014 Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting + EN 60598-2-22:2014/AC:2015	☐
EN 60598-2-24:2013 Luminaires - Part 2-24: Particular requirements - Luminaires with limited surface temperatures	☐

EQUIPMENTS :		Choose
Measuring device :	PTL Dr. Grabenhorst GmbH type P03.26PL, Nozzle- IP X5	☒
Measuring device :	PTL Dr. Grabenhorst GmbH type P03.28PL, Nozzle- IP X6	☐
Measuring device:	PTL Dr. Grabenhorst GmbH type P14.21 S/N 5001488, Dust chamber IP 5,6X	☐
Measuring device:	PTL Dr. Grabenhorst, P01.18PL, Rainfall - IP X 1,2	☐
Measuring device:	PTL Dr. Grabenhorst, P02.27PL, Water spray aparatur - IP X 3,4	☐
Measuring device:	PTL Dr. Grabenhorst, P10.24, , Sphere, IEC 60529 ,UP057 - IP 1X	☐
Measuring device:	PTL Dr. Grabenhorst, P10.14, ,Standard test finger UP030 - IP 2X	☐
Measuring device:	PTL Dr. Grabenhorst, P10.26, $\varnothing 2,5_{mm}$,Wire testing, UP034 - IP3X	☐
Measuring device:	PTL Dr. Grabenhorst, P10.27, $\varnothing 1,0_{mm}$ PTL Dr. Grabenhorst , Wire testing, UP033 - IP4X	☐

☒ IP test before endurance	
☐ IP test after endurance*	N°

* please note N° of Endurance test report

Test for ingress of water, dust or solid objects		P	F	NA
Environment temperature (15~ 35°C)	21°C	☒	☐	☐
Relative humidity (25 ~ 75%)	47%	☒	☐	☐
Atm. pressure (860 ~1060 mbar)	980mbar	☒	☐	☐
Solid object. Probe IP2X force	10 N	☐	☐	☒
Solid object. Probe IP3X force	3±10% N	☐	☐	☒

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Report N° 1525767162
IP test

Date: 10-05-2018

Solid object. Probe IP4X force	1±10% N	☐	☐	☒
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BRP101

Requested IP value	IP	X	X
Optical system	IP	X	5
Complete luminaire	IP	X	5

Obtained IP value	IP	X	X
Optical system	IP	X	5
Complete luminaire	IP	X	5

	YES	NO
The luminaire tested fulfils with the required IP?	☒	☐

Test result	PASS	FAIL	N/A
	☒	☐	☐

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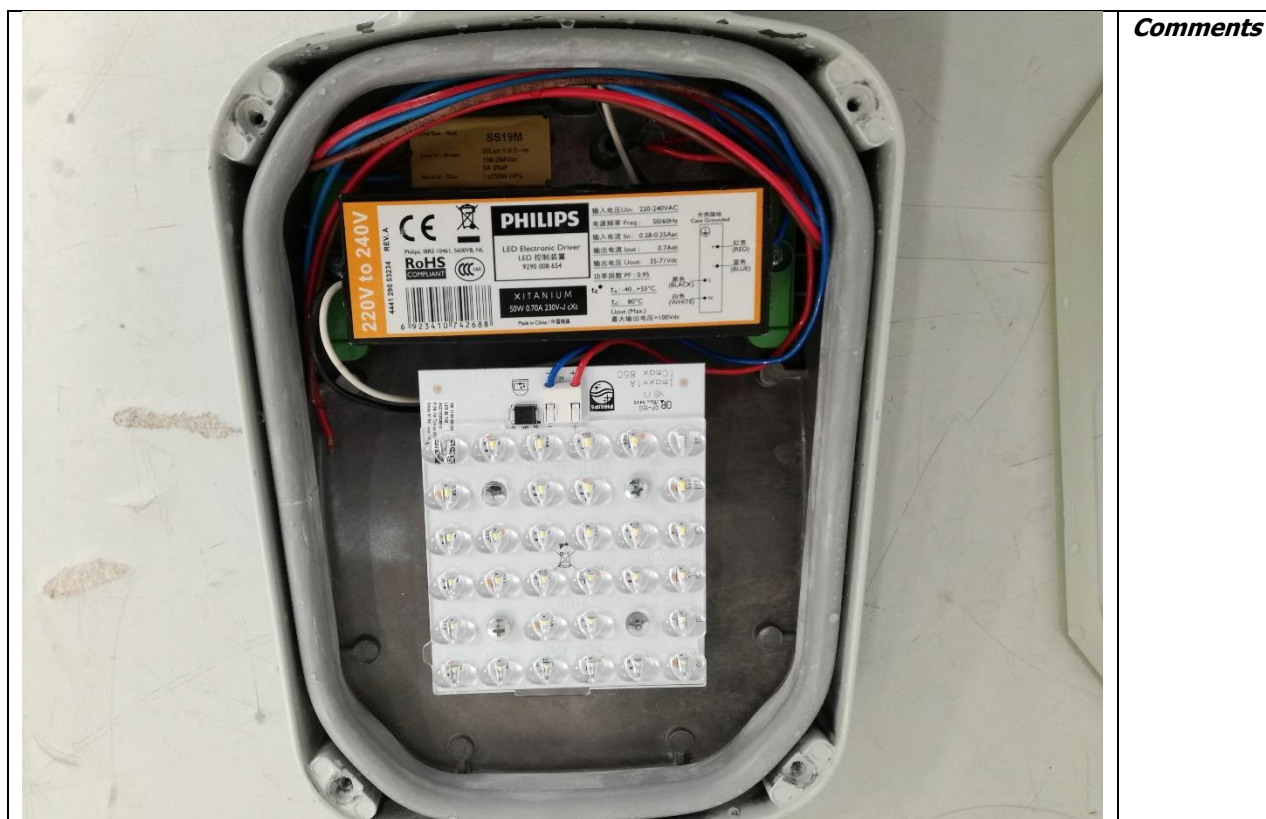
	<i>Comments</i>
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Comments

CONCLUSION : Luminaire pass the test IPX5.

Tested 10.05.2018

by Piotr Jakubiec

Validate 10.05.2018

by Dariusz Pierzchanowski

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