

To : Ariel Szumiński Technician
Copy : Dariusz Pierzchanowski Quality Laboratory Manager
From: Dalida Fuks Quality Lab Technician

Cause of request :

Additional informations :

TECHNICAL DATA OF LUMINAIRE

Designation luminaire:	Road and street luminaire
Family code :	BRP102
Family name :	Malaga Led Mini
<u>Led</u>/Lamp Module :	-
<u>Driver</u> / Ballast :	-
Electrical Class :	
IP classification :	65
IK Classification :	08
Luminaire installation :	Post top
Ta (°C) :	35
Un (V) :	~220-240
Revised/<u>Relased</u> component (12NC) :	Glass Float EU/ckant painted (opaque lettering) double Glascor 7038 and 7005 Grid from the bottom, hardening, shape 406,7x206,9x5mm
Deliver of component :	SZKŁO
Purchase number :	4762

IK TEST ACCORDING TO :
Choose

<i>IEC 62262 First Edition 2002-02 Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) five impacts in each exposed face , no more than three impacts applied surroundings of same point of enclosure</i>	<input checked="" type="checkbox"/>
<i>EN 60598-1:2015 Luminaires - Part 1: General requirements and tests+ EN 60598-1:2015/AC:2015 + EN 60598-1:2015/AC:2016 section 4.13</i>	<input type="checkbox"/>
<i>EN 60598-2-1:1989 Luminaires - Part 2: Particular requirements - Section 1: Fixed general purpose section 2.6</i>	<input type="checkbox"/>

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

EN 60598-2-2:2012 Luminaires - Part 2-2: Particular requirements - Recessed luminaires, section 2.7	<input type="checkbox"/>
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 3.6.5	<input type="checkbox"/>
EN 60598-2-5:2015 Luminaires - Part 2-5: Particular requirements – Floodlights section 5.6.8	<input type="checkbox"/>
EN 60598-2-22:2014 Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting + EN 60598-2-22:2014/AC:2015 section 22.6	<input type="checkbox"/>
EN 60598-2-24:2013 Luminaires - Part 2-24: Particular requirements - Luminaires with limited surface temperatures section 25.6	<input type="checkbox"/>

EQUIPMENTS :	Choose
Measuring device : Vertical hammer Ehc UP058	<input checked="" type="checkbox"/>
Measuring device : Hammer PTL Dr.Grabenhorst GmbH UP014	<input type="checkbox"/>

Atmospheric condition for tests		P	F	NA
Environment temperature (15~ 35°C)	20°C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Relative humidity (25 ~ 75%)	56%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Atm. pressure (860 ~1060 mbar)	990mbar	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Impact Energy (IK Code) need Tests	Choose
Code IK 02	0.2 J <input type="checkbox"/>
Code IK 03	0.35 J <input type="checkbox"/>
Code IK 04	0.5 J <input type="checkbox"/>
Code IK 05	0.7 J <input type="checkbox"/>
Code IK 06	1 J <input type="checkbox"/>
Code IK 07	2 J <input type="checkbox"/>
Code IK 08	5 J <input checked="" type="checkbox"/>
Code IK 09	10 J <input type="checkbox"/>
Code IK 10	20J <input type="checkbox"/>
>Code IK 10 please note Value in J	xxJ <input type="checkbox"/>

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Product 1 BRP102

<p>Requested IK value</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">IK</td> <td style="width: 50%;">X</td> </tr> <tr> <td>IK</td> <td>08</td> </tr> </table>	IK	X	IK	08	<p>Obtained IK value</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">IK</td> <td style="width: 50%;">X</td> </tr> <tr> <td>IK</td> <td>08</td> </tr> </table>	IK	X	IK	08
IK	X								
IK	08								
IK	X								
IK	08								
<p>The luminaire tested fulfils with the required IK?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">YES</td> <td style="width: 50%;">NO</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>		YES	NO	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
YES	NO								
<input checked="" type="checkbox"/>	<input type="checkbox"/>								

Test result	PASS	FAIL	N/A
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	<p>Comments</p> <p><i>Luminaire before IK08 test</i></p>
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Luminaire after IK08 test

CONCLUSION : *Luminaire fulfills requirements of IK08.*

Product 2 BRP102

Requested IK value	IK	X	Obtained IK value	IK	X
	IK	08		IK	08

The luminaire tested fulfils with the required IK?	YES	NO
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Test result	PASS	FAIL	N/A
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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 Philips Lighting Poland Sp.z.o.o. Kętrzyn, Chrobrego 8 Street, 11-400 Kętrzyn, Poland
 Edition 1, REV.A Tel : +48 89 678 21 02

		<p>Comments</p> <p><i>Luminaire before IK08 test</i></p>
		<p><i>Luminaire after IK08 test.</i></p>

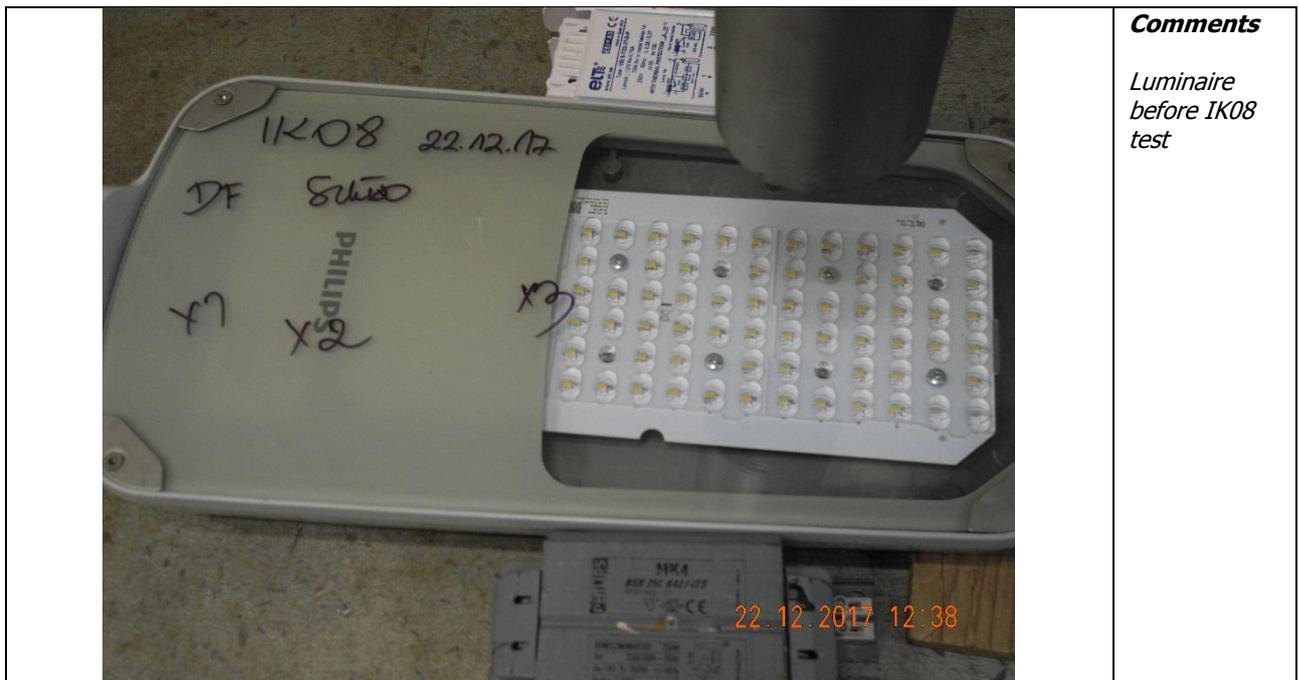
CONCLUSION : *Luminaire fulfills requirements of IK08.*

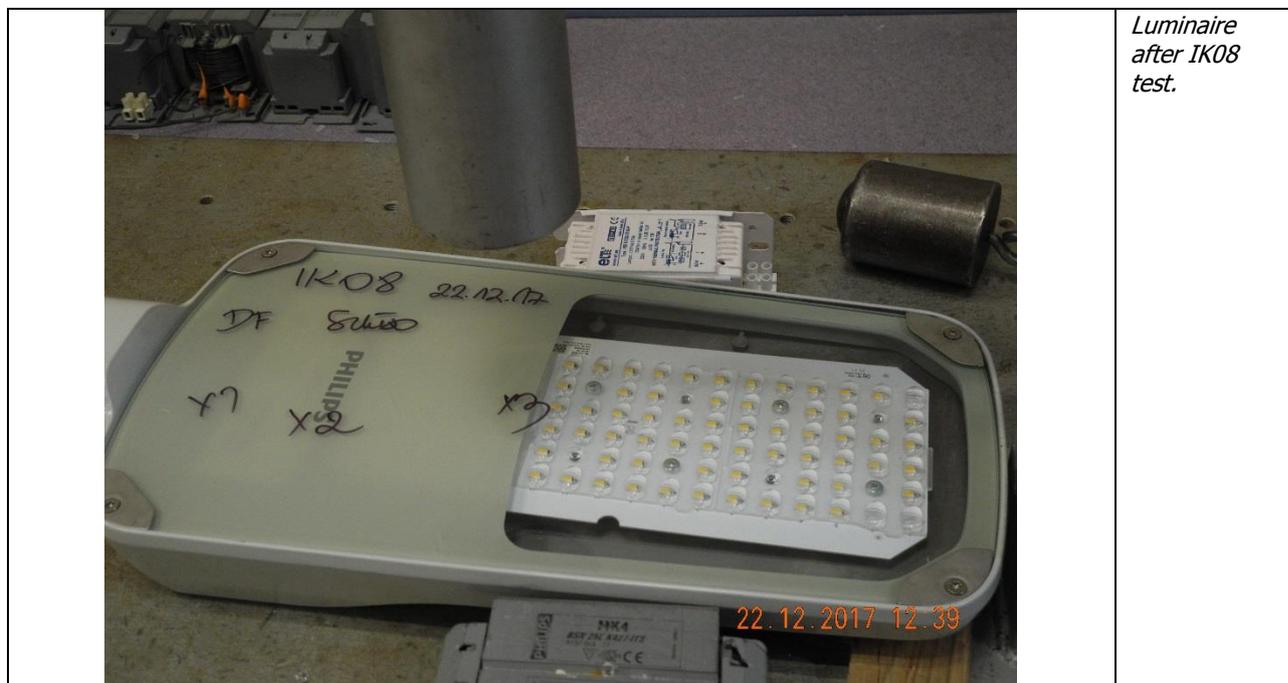
Product 3 BRP102

Requested IK value	IK	X	Obtained IK value	IK	X
	IK	08		IK	08

The luminaire tested fulfils with the required IK?	YES	NO
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Test result	PASS	FAIL	N/A
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





CONCLUSION : *Luminaire fulfills requirements of IK08.*

TESTED 22.12.2017 by Dalida Fuks

VALIDATE 23.12.2017 by Dariusz Pierzchanowski