



Test Report issued under the responsibility of : DEKRA Certification B.V.
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TEST REPORT	
Report Reference No.....	2138823.50
Tested by (name + signature)	R. Visser 
Approved by (name + signature)	T.H.J.M. Michels 
Date of issue.....	2011-02-28
Contents / enclosures.....	4
Testing Laboratory	DEKRA Certification B.V.
Testing location / address.....	Utrechtseweg 310, 6812 AR Arnhem, The Netherlands.
Applicant	Dutch Elektro B.V.
Address	Horselstraat 11, 6361 HC Nuth, The Netherlands.
Test specification:	
Standard(s).....	IEC 60598-1:2008
Test procedure	Basic safety test <input type="checkbox"/> Screen test <input type="checkbox"/> Quick scan <input type="checkbox"/> Basic EMC test <input type="checkbox"/> Flash test <input type="checkbox"/> IP test <input checked="" type="checkbox"/>
Test object description.....	Luminaires with LEDs
Trade Mark.....	-
Manufacturer	Dutch Elektro B.V.
Model/Type reference.....	see page 3
Ratings	-
Number of test objects	4
Possible test case verdicts:	
- test case does not apply to the test object...: N/A	
- test object does meet the requirement.....: P(Pass)	
- test object does not meet the requirement...: F(Fail)	
Test program.....	The test object has been submitted to a test program as mentioned on the next page.
Summary of test results:	
Our confined test programme gave rise to the following remarks:	
<p>The test results shown in this report relate only to the tests performed according to the test program. The test object has not been submitted to a full test program.</p> <p>© Integral publication of this document is allowed.</p>	

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Test program :			
The following clauses of standards IEC 60598-1 have been checked:			
9.2.0	IP2X	Protected against access to hazardous parts with a finger The jointed test finger of 12 mm , 80 mm length, shall have adequate clearance form hazardous parts	<input type="checkbox"/>
9.2.0	IP3X	Protected against access to hazardous parts with a tool The access probe of 2,5 mm shall not penetrate	<input type="checkbox"/>
9.2.0	IP4X	Protected against access to hazardous parts with a wire The access probe of 1,0 mm shall not penetrate	<input type="checkbox"/>
9.2.1	IP5X	Protected against access to hazardous parts with a wire The access probe of 1,0 mm shall not penetrate Dust-protected Ingress of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the apparatus or to impair safety	<input type="checkbox"/>
9.2.2	IP6X	Protected against access to hazardous parts with a wire The access probe of 1,0 mm shall not penetrate Dust-tight No ingress of dust	<input checked="" type="checkbox"/>
9.2.3	IPX1	Protected against vertically falling water drops Vertically falling drops shall have no harmful effects	<input type="checkbox"/>
9.2.3	IPX2	Protected against vertically falling water drops when enclosure tilted up to 15° Vertically falling drops shall have no harmful effects when the enclosure is tilted at any angle up to 15° on either side of the vertical	<input type="checkbox"/>
9.2.4	IPX3	Protected against spraying water Water sprayed at an angle up to 60° on either side of the vertical shall have no harmful effects	<input type="checkbox"/>
9.2.5	IPX4	Protected against splashing water Water splashed against the enclosure from any direction shall have no harmful effects	<input type="checkbox"/>
9.2.6	IPX5	Protected against water jets Water projected in jets against the enclosure from any direction shall have no harmful effects	<input type="checkbox"/>
9.2.7	IPX6	Protected against powerful water jets Water projected in powerful jets against the enclosure from any direction shall have no harmful effects	<input checked="" type="checkbox"/>
9.2.8	IPX7	Protected against the effects of temporary immersion in water Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed in water under standardized conditions of pressure and time	<input type="checkbox"/>
9.2.9	IPX8	Protected against the effects of continuous immersion in water Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is continuously Immersed in water under conditions which shall be agreed between manufacturer and user but which are more severe than for numeral 7	<input type="checkbox"/>

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Copy of marking plate or identification photo:

1 x DI/SU/WT

1 x DI/RE/WT

1 x Track WT 031729

1 x LED spot WT



Test results:

12	ENDURANCE TEST AND THERMAL TEST	P
12.3	1 x DI/SU/WT 1 x DI/RE/WT 1 x Track WT 031729 1 x LED spot WT	P P P P

Clause	Requirement – Test	Result	Verdict
9	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		P
9.2	Tests for ingress of dust, solid objects and moisture:		P
	- classification according to IP : IP 66	IP 66	—
	- mounting position during test..... : Normal	Normal	—
	- fixing screws tightened; torque (Nm)..... : N/A	N/A	—
	- electric strength test afterwards		P
	a) no deposit in dust-proof luminaire		N/A
	b) no talcum in dust-tight luminaire		P
	c) no trace of water on current-carrying parts or where it could become a hazard		N/A
	d) i) For luminaires without drain holes – no water entry		P
	d) ii) For luminaires with drain holes – no hazardous water entry		N/A
	e) no water in watertight luminaire		N/A
	f) no contact with live parts (IP 2X)		N/A
	f) no entry into enclosure (IP 3X and IP 4X)		N/A
	f) no contact with live parts (IP3X and IP4X)		N/A
	g) no trace of water on part of lamp requiring protection from splashing water		N/A
	h) no damage of protective shield or glass envelope		N/A

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