



**TEST REPORT**  
**IEC TR 62778**

**Application of IEC 62471 for the assessment of blue light hazard to  
light sources and luminaires**

Report Reference No.....: EED31K002109

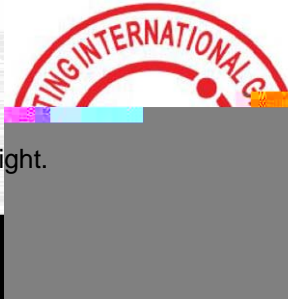
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Lab Supervisor

Date of issue.....: Jul. 19, 2018

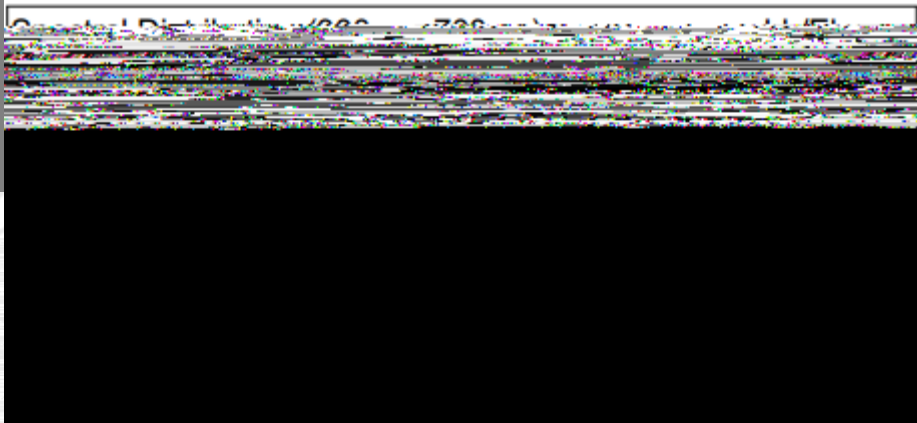


**Summary of testing:**

**Test conditions:**

1. Ambient temperature: 24,8 ; Humidity: 53%;
2. Measurement distance: 200mm;
3. Aperture stop: 7mm

**Spectral Distribution**



<b>Test item particulars..... :</b>	
Product evaluated..... :	<input checked="" type="checkbox"/> LED package <input type="checkbox"/> LED module <input type="checkbox"/> Lamp <input type="checkbox"/> Luminaire
Rated voltage (V)..... :	5,0V DC
Rated current (mA)..... :	60mA
Rated CCT (K)..... :	N/A
Rated Luminance (Mcd/m <sup>2</sup> )..... :	N/A
Component report data used .....	<input type="checkbox"/> Not applicable <input checked="" type="checkbox"/> LED package <input type="checkbox"/> LED module <input type="checkbox"/> Lamp
Possible test case verdicts:	



IEC TR 62778

Clause	Requirement + Test	Result - Remark	Verdict
<b>7</b>	<b>MEASUREMENT INFORMATION FLOW</b>		P
<b>7.1</b>	<b>Basic flow</b>		N/A
	'Law of conservation of luminance' applied		N/A
	Use of only true luminance/radiance values		N/A
	In case of luminaire: The light source is operated in the luminaire under similar conditions as when tested as a component		N/A
	In case $E_{thr}$ value for RG2 was established the peak value was derived from angular light distribution		N/A
<b>7.2</b>	<b>Conditions for the radiance measurement</b>		P
	Standard condition applied (200mm distance, 0,011rad field of view)		P
	Non-standard condition applied		N/A



IEC TR 62778

Clause	Requirement + Test	Result - Remark	Verdict
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TABLE: Spectroradiometric measurement			P
Measurement performed on:	<input checked="" type="checkbox"/> LED package <input type="checkbox"/> LED module <input type="checkbox"/> Lamp <input type="checkbox"/> Luminaire		
Model number.....	2835-HCL		
Test voltage (V).....	3,02		
Test current (mA).....	60		
Test frequency (Hz).....	N/A		
Ambient, t (°C).....	24,8		
Measurement distance.....	<input checked="" type="checkbox"/> 20 cm <input type="checkbox"/> ... cm		

Item	Symbol	Units	Result
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Photo Document

