



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

Compiled by (+ signature): Carrie Lin

Reviewed by (+ signature): Torres He

Approved by (+ signature): Amo Liu

Lab Supervisor

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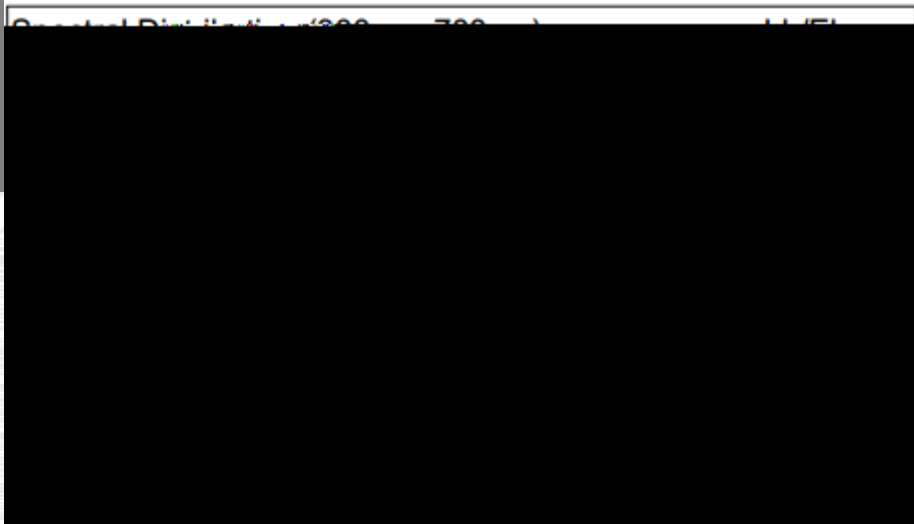


Summary of testing:

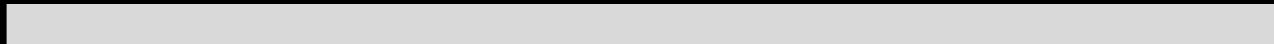
Test conditions:

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

Spectral Distribution



Test item particulars..... :	
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 ²)..... :	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:	
- 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)



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Clause	Requirement + Test	Result - Remark	Verdict
7	MEASUREMENT INFORMATION FLOW		P
7.1	Basic flow		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
7.2	Conditions for the radiance measurement		P
	Standard condition applied (200mm distance, 0,011rad field of view)		P
	Non-standard condition applied		N/A
7.3	Special cases (I): Replacement by a lamp or LED module of another type		N/A
	Light source is a white light source		N/A



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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		
Source size	<input type="checkbox"/> Non-small <input checked="" type="checkbox"/> Small : 1,32 mm		
Field of view.....	<input type="checkbox"/> 100 mm		

Item	Symbol	Units	Result
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Photo Document

