

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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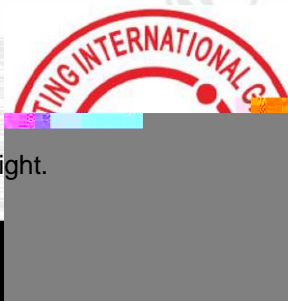
Torres He

Approved by (+ signature): Amo Liu

Amo Liu

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



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:	

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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

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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	

Item	Symbol	Units	Result
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Photo Document

