

**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

Carrie Lin

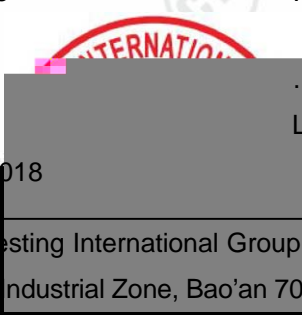
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Amo Liu

Lab Supervisor



Issue Date: 11/16/2018

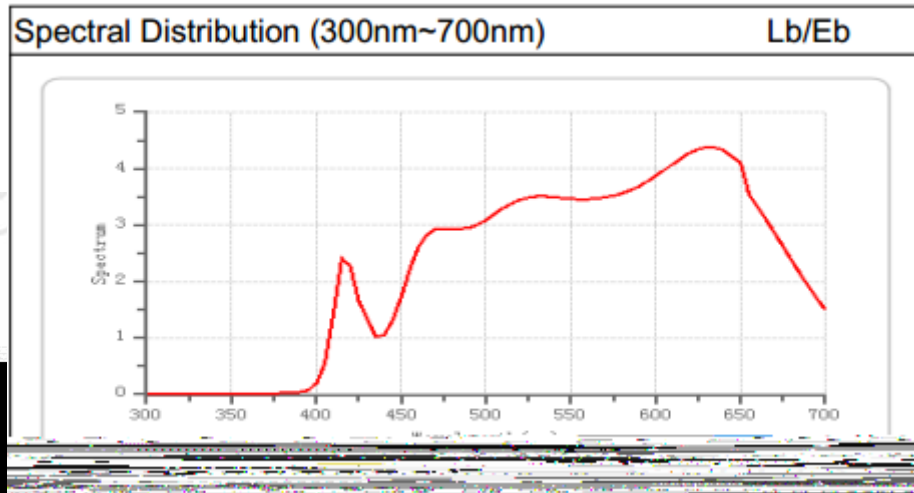
Testing International Group
Industrial Zone, Bao'an 70

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



IEC TR 62778			
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

8	RISK GROUP CLASSIFICATION
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IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

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		—
			—
			—

Item	Symbol	Units	Result
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Photo Document

