

TEST REPORT IEC TR 62778 Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires	
Report reference No	RSZ161215554-03
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Approved by (+ signature)	Harrison Huang <i>Harrison Huang</i>
Date of issue	2016-12-19
Testing laboratory	Bay Area Compliance Laboratories Corp. (Dongguan)
Address	No.69 Pulong Village Puxinhu Industry Zone Tangxia,Dongguan, China.
Testing location	Same as above
Applicant	Hongli Zihui Group Co.,Ltd.
Address	No.1, Xianke Yi Road, Huadong Town, Huadu District, Guangzhou, China
Standard	IEC TR 62778:2014 (Second Edition)
Test sample(s) received.....	2016-12-19
Test in period.....	2016-12-19
Procedure deviation	N.A.
Non-standard test method	N.A.
Note: The test data was only valid for the test sample(s). This test report is prepared for the customer shown above and for the specific product described herein. It must not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).	
Type of test object	LED
Trademark	N.A.
Model/type reference	HL-A-2835HW-S1-08-HR3
Manufacturer.....	Hongli Zihui Group Co.,Ltd. No.1, Xianke Yi Road, Huadong Town, Huadu District, Guangzhou, China
Rating	Input: 2.8-3.4Vdc, 60mA
Copy of marking plate:	None

FEM



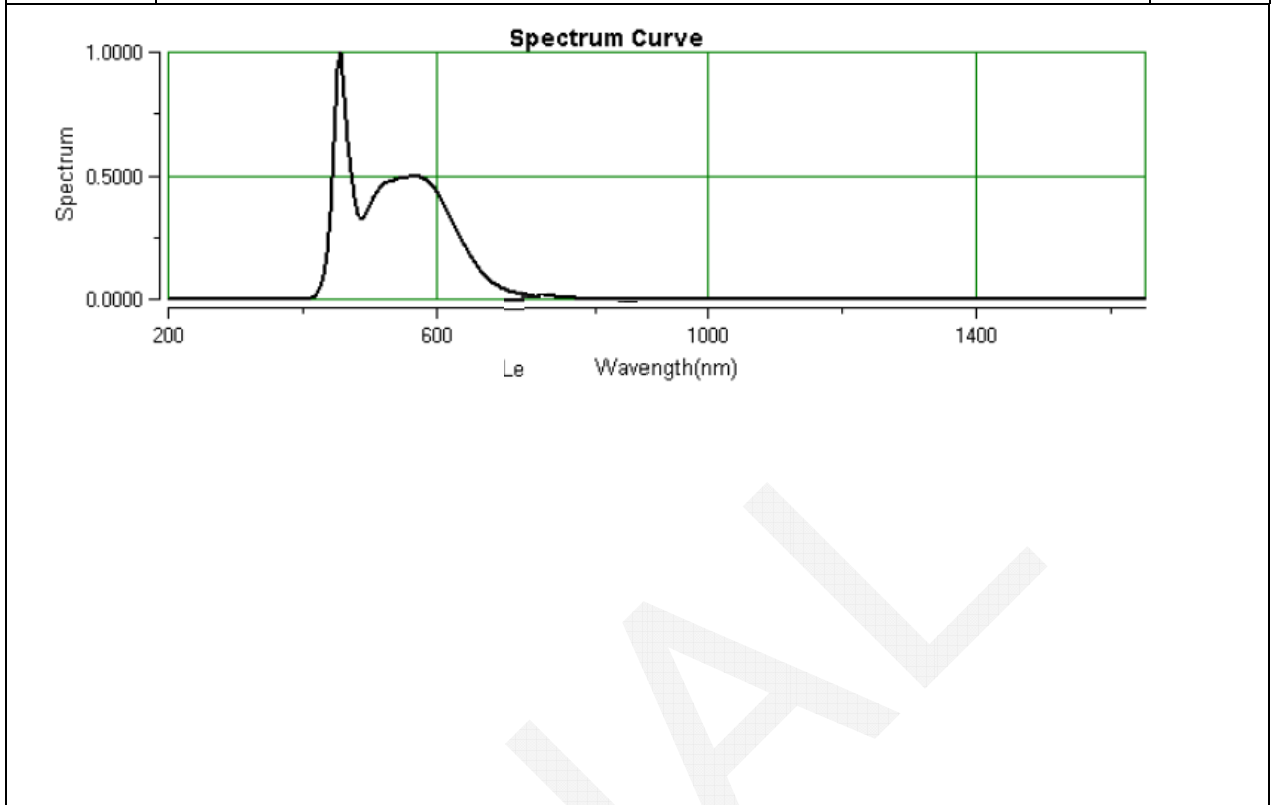
IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

	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.....	HL-A-2835HW-S1-08-HR3		
	Test voltage (V)	2.8-3.4Vdc		
	Test current (mA)	60mA		
	Test frequency (Hz).....	-		
	Ambient, t (°C).....	25.3°C		
	Measurement distance	<input checked="" type="checkbox"/> 20 cm <input type="checkbox"/> ... cm		
	Source size	<input type="checkbox"/> Non-small <input checked="" type="checkbox"/> Small : 0.46mm		
	Field of view	<input type="checkbox"/> 100 mrad <input checked="" type="checkbox"/> 11 mrad <input type="checkbox"/> 1,7 mrad (for small sources)		

Item	Symbol	Units	Result	Remark
Correlated colour temperature	CCT	K	6710	
x/y colour coordinates	x/y		0.3082/0.03338	
Blue light hazard radiance	L _B	W/(m ² •sr ¹)	1687	
Blue light hazard irradiance	E _B	W/m ²	1.408e-001	
Luminance	L	cd/m ²	2.055e+006	
Illuminance	E	lx	171	

Supplementary information:

TABLE: Angular light distribution



FINAL

