



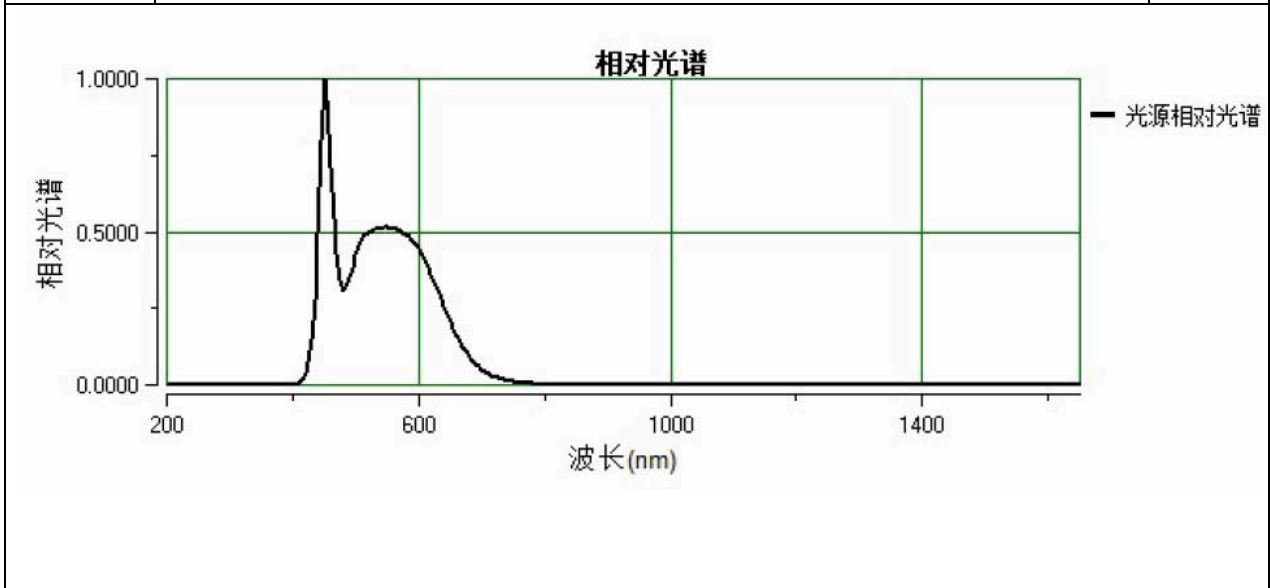
<b>Test item particulars</b> .....	
<b>Product evaluated</b> .....	<input checked="" type="checkbox"/> LED package <input type="checkbox"/> LED module <input type="checkbox"/> Lamp <input type="checkbox"/> Luminaire
<b>Rated voltage (V)</b> .....	See rating
<b>Rated current (mA)</b> .....	See rating
<b>Rated Luminance (Mcd/m<sup>2</sup>)</b> .....	Not specified
<b>Component report data used</b> .....	<input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> LED package <input type="checkbox"/> LED module <input type="checkbox"/> Lamp
<b>Possible test case verdicts:</b>	
-test case does not apply to the test object.....:N(.A.)	
-test object does meet the requirement.....:P(ass)	
-test object does not meet the requirement.....:F(ail)	
<b>General remarks:</b>	
<p>The test results presented in this report relate only to the object tested.          This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.          "(See Enclosure #)" refers to additional information appended to the report.          "(See appended table)" refers to a table appended to the report.          Throughout this report a point is used as the decimal separator.          List of test equipment must be kept on file and available for review.</p>	
<b>Remark:</b>	
Appendix A EUT photos	
<b>General product information:</b>	
"EUT" as referred in this report is a LEDpackage, and the input rating is 6Vdc, 80mA.	

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict
<b>7</b>	<b>MEASUREMENT INFORMATION FLOW</b>		<b>P</b>
<b>7.1</b>	<b>Basic flow</b>		<b>P</b>
	'Law of conservation of luminance' applied		P
	Use of only true luminance/radiance values		P
	In case of luminaire: The light source is operated in the luminaire under similar conditions as when tested as a component		P
	In case $E_{thr}$ value for RG2 was established the peak value was derived from angular light distribution		N
<b>7.2</b>	<b>Conditions for the radiance measurement</b>		<b>P</b>
	Standard condition applied (200mm distance, 0,011rad field of view)		P
	Non-standard condition applied		N
<b>7.3</b>	<b>Special cases (I): Replacement by a lamp or LED module of another type</b>		<b>N</b>
	Light source is a white light source		N
	Evaluation done based on highest luminance		N
	Evaluation done based on CCT value		N
<b>7.4</b>	<b>Special cases (II): Arrays and clusters of primary light sources</b>		<b>N</b>
	LED package is evaluated as ..... : <input type="checkbox"/> RG0 unlimited <input type="checkbox"/> RG1 unlimited		N
	$E_{thr}$ of LED package applies to array		N
<b>8</b>	<b>RISK GROUP CLASSIFICATION</b>		<b>P</b>
	Risk group achieved:		P
	- .. Risk Group 0 unlimited		N
	- .. Risk Group 1 unlimited		N
	- $E_{thr}$ .....1208 (lx) : Distance to reach RG1 ..... 136(mm) :	RG1	P

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

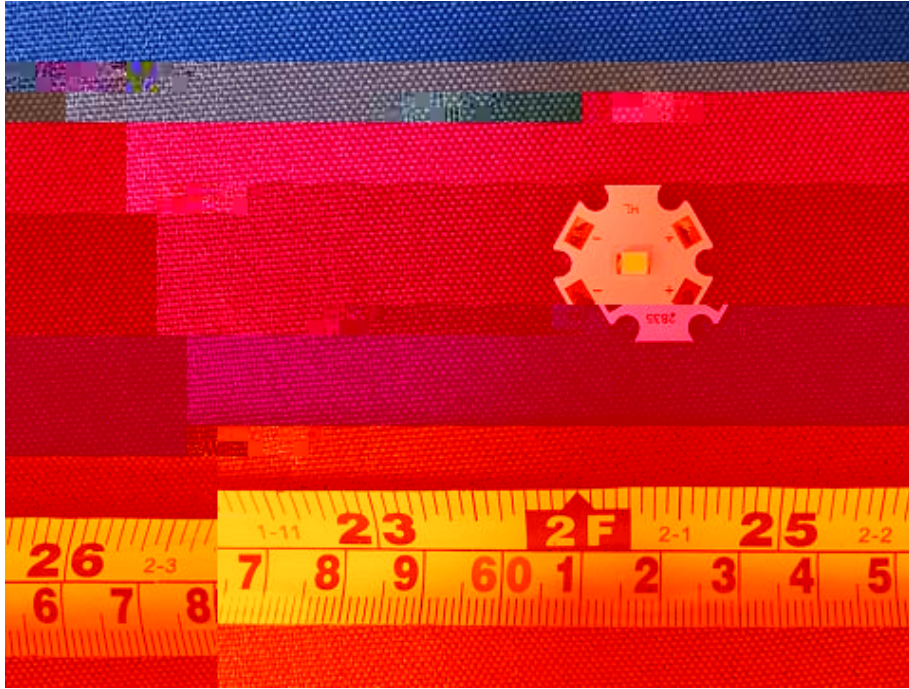
TABLE: Spectroradiometric measurement			P	
	Measurement performed on:	<input checked="" type="checkbox"/> LED package <input type="checkbox"/> LED module <input type="checkbox"/> Lamp <input type="checkbox"/> Luminaire	—	
	Model number .....	HL-AS-2835D3W-2C-S1-08L-PCT-HR3(R9)-XJ	—	
	Test voltage (V).....	6Vdc	—	
	Test current (mA) .....	80mA	—	
	Test frequency (Hz).....	--	—	
	Ambient, t(°C) .....	26	—	
	Measurement distance .....	<input checked="" type="checkbox"/> 20 cm <input type="checkbox"/> ... cm	—	
	Source size .....	<input type="checkbox"/> Non-small:mm <input checked="" type="checkbox"/> Small:0.96mm	—	
	Field of view .....	<input type="checkbox"/> 100 mrad <input type="checkbox"/> 11 mrad <input checked="" type="checkbox"/> 4.8 mrad (for small sources)	—	
Item	Symbol	Units	Result	Remark
Correlated colour temperature	CCT	K	6604	--
x/y colour coordinates	x/y		0.3101/0.3342	--
Blue light hazard radiance	L <sub>B</sub>	W/(m <sup>2</sup> •sr <sup>1</sup> )	8.164x10 <sup>3</sup>	--
Blue light hazard irradiance	E <sub>B</sub>	W/m <sup>2</sup>	4.616 x 10 <sup>-1</sup>	--
Luminance	L	cd/m <sup>2</sup>	9.864x10 <sup>6</sup>	--
Illuminance	E	lx	558	--
Supplementary information: NA				

TABLE: Angular light distribution



### Appendix A - EUT Photos

The overall view of EUT





Report No.: SZ2220908-40764E-SF

**Directions:**

- 1.The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
- 2.Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
- 3.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 4.The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
- 5.This report cannot be reproduced except in full, without prior written approval of the Company.
- 6.This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

**\*\*\* End of report \*\*\***