



Report No.: RSZ200619550-SF

FINAL



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Test item pa

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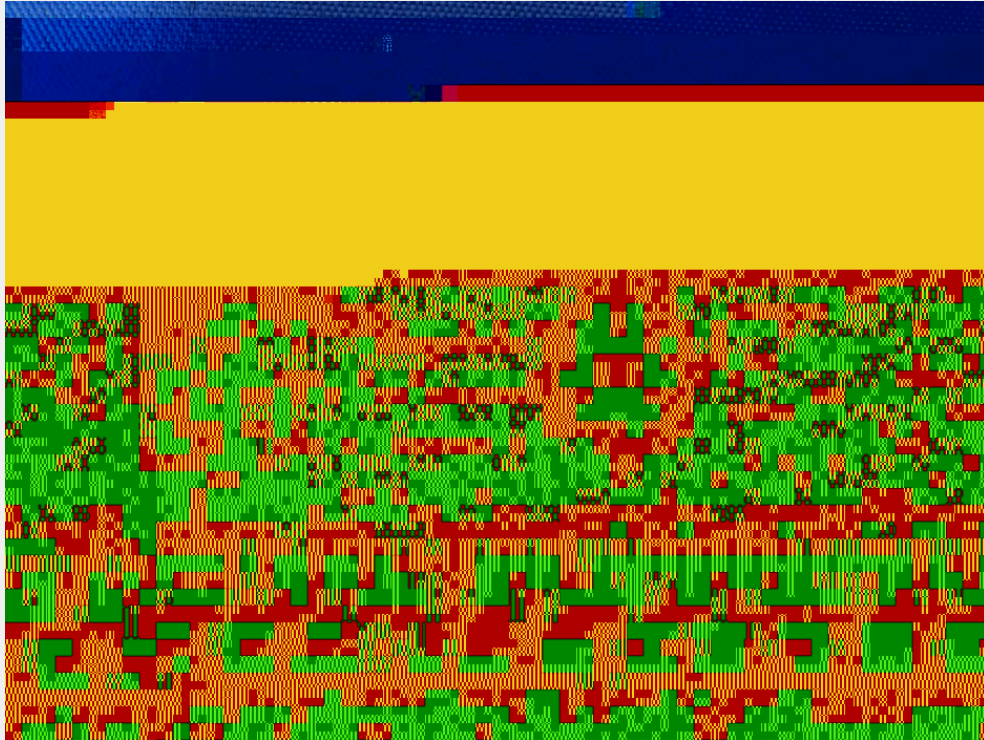
IEC TR 62778			
Clause	Requirement + Test		Verdict
7	MEASUREMENT INFORMATION FLOW		P
7.1	Basic flow		P
	'Law of conservation of luminance' applied		P
	Use of only true luminance/radiance values		P
	In case of luminaire: The light source is operated in the luminaire under similar conditions as when tested as a component		P
	In case E_{thr} value for RG2 was established the peak value was derived from angular light distribution		N
7.2	Conditions for the radiance measurement		P
	Standard condition applied (200mm distance, 0,011rad field of view)		P
	Non-standard condition applied		N
7.3	Special cases (I): Replacement by a lamp or LED module of another type		N
	Light source is a white light source		N
	Evaluation done based on highest luminance		N
	Evaluation done based on CCT value		N
7.4	Special cases (II): Arrays and clusters of primary light sources		N
	LED package is evaluated as : <input type="checkbox"/> RG0 unlimited <input type="checkbox"/> RG1 unlimited <input type="checkbox"/> RG2 unlimited		N
	E_{thr} of LED package applies to array		N
8	RISK GROUP CLASSIFICATION		P
	Risk group achieved:		P
	- .. Risk Group 0 unlimited		N
	- .. Risk Group 1 unlimited		P
	- Risk Group 2 unlimited		N
	- E_{thr} (lx) : Distance to reach RG1(mm) :	1998 lx 87 mm	P

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-AM-2835DW-S1-08-HR5	—	
Test voltage (V)		2.8-3.4Vdc	—	
Test current (mA)		150mA	—	
Test frequency (Hz)		--	—	
Ambient, t (°C)		25.7	—	
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: 0.70 mm	—	
Field of view		<input type="checkbox"/> 100 mrad <input type="checkbox"/> 11 mrad <input checked="" type="checkbox"/> 3.5 mrad (for small sources)	—	
Item	Symb ol	Units	Result	Remark
Correlated colour temperature	CCT	K	4129	--
x/y colour coordinates	x/y		0.3757/0.3765	--
Blue light hazard radiance	L _B	W/(m ² •sr ¹)	5.627 x 10 ³	--
Blue light hazard irradiance	E _B	W/m ²	1.900 x 10	

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Appendix A - EUT Photos

EUT- The overall view





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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.
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End of report