TEST RE

IEC TR

Application of IEC TR 62778 for the as
sources and

Report reference No .....:	RSZ190514552
Compiled by (+ signature) .....:	Test Engineer: T
Approved by (+ signature) .....:	Project Enginee
Date of issue .....:	2019-05-20
Testing laboratory .....:	Bay Area Comp
Address .....:	No.69, Pulongcu Guangdong, Ch
Testing location .....:	Same as above
Applicant .....:	Hongli Zhihui Gr
Address .....:	Room 316, Build District, Guangz
Standard .....:	IEC TR 62778:2
Test sample(s) received.....:	2019-05-15
Test in period.....:	2019-05-16
Procedure deviation .....:	N.A.
Non-standard test method .....:	N.A.

Note: The test data was only valid for the tes
above and for the specific product described
written consent from Bay Area Compliance L

Type of test object .....:	LED
Trademark .....:	N.A
Model/type reference .....:	HL-/
Manufacturer..... .....:	Hon Roo Dist
Rating .....:	Inpu

Copy of marking plate:

None

Test item particulars .....

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

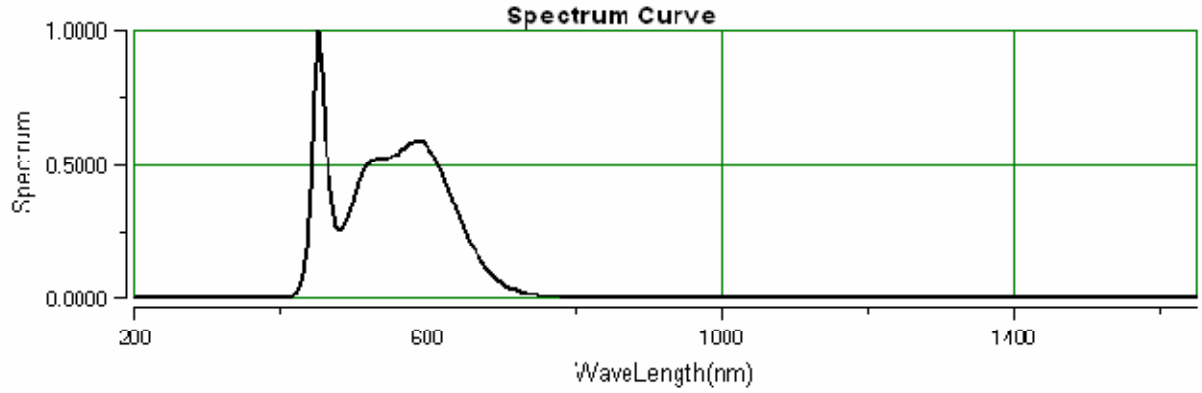
7	**MEASUREMENT INFORMATION FLOW**		**P**
7.1	**Basic flow**		**P**
	'Law of conservation of luminance' applied		P
	Use of only true luminance/radiance values		P
	In case of luminaire: The light source is operated in the luminaire under similar conditions as when tested as a component		P
	In case E_{thr} 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 ..... :	☐ RG0 unlimited ☐ RG1 unlimited ☐ RG2 unlimited	N
	E_{thr} of LED package applies to array		N
8	**RISC 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) :	1510 71	P

IEC TR 62778			
Clause	Requirement + Test	Result - Remark	Verdict

	TABLE: Spectroradiometric measurement		**P**
	Measurement performed on:	☒ **LED package** ☐ **LED module** ☐ **Lamp** ☐ **Luminaire**	—
	Model number	HL-A-2835DW-2-S1-08L-HR3	—
	Test voltage (V)	2.6~3.0Vdc	—
	Test current (mA)	60m A	—
	Test frequency (Hz)	--	—
	Ambient, t (°C)	25.1	—
	Measurement distance	☒ 20 cm ☐ ... cm	—
	Source size	☐ Non-small: mm ☒ Small: 1.4 mm	—
	Field of view	☐ 100 mrad ☒ 11 mrad ☐ 1,7 mrad (for small sources)	—

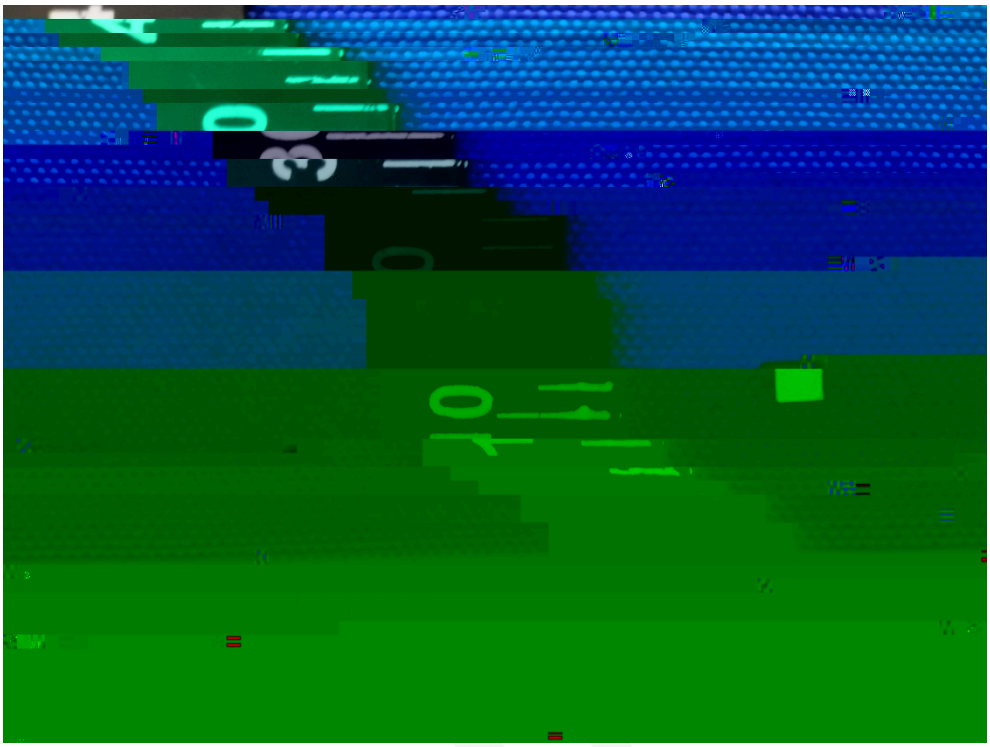
Item	Symbol	Units	Result	Remark
Correlated colour temperature	CCT	K	5152	--
x/y colour coordinates	x/y		0.3414/0.3546	--
Blue light hazard radiance	L_B	$W/(m^2 \cdot sr^1)$	1218	--
Blue light hazard irradiance	E_B	W/m^2	1.243×10^{-1}	--
Luminance	L	cd/m^2	1.839×10^6	--
Illuminance	E	lx	188	--
Supplementary information: NA				

	TABLE: Angular light distribution	



Appendix A - EUT Photos

The overall view of EUT



Appendix B Test equipment list

Equipment Description	Model No	BACL#	Manufacturer	Last Cal	Cal Due
UV-VIS-near IR Spectrophotocolorimeter	PMS-2000	T-08-SF213	EVERFINE	2018-09-03	2019-09-03
Imaging luminance meter	CX-2K	T-08-SF213-1	EVERFINE	2018-09-03	2019-09-03
Radiation illuminance meter	RD-2000	T-08-SF213-2	EVERFINE	2018-09-03	2019-09-03
Radiation illuminance meter	RD-2000	T-08-SF213-3	EVERFINE	2018-09-03	2019-09-03
High Accuracy Array	HAAS-2000	T-08-SF213-4	EVERFINE	2018-09-03	2019-09-03
80mm sample integrating sphere	SMS-300	T-08-SF213-5	EVERFINE	2018-09-03	2019-09-03
Hygrothermograph	VC230	T-08-QA015	VICTOR	2019-03-17	2020-03-17
Steel tape	5m×19mm	T-08-SF197	B&Q	2016-02-25	2021-02-23
High power LED aging dc power supply	B12005	T-08-SF205	BACL	2019-03-26	2020-03-26
AC power supply	HPA-1103	F-08-SF129	EVERFINE	2018-07-23	2019-07-23

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