

Report No.: GZEE220900345231 Date: 2022-10-11

The following sample(s) was/were submitted and identified on behalf of the client as:

Applicant:	Guangzhou Tianxin Photoeletric Co., Ltd. #15-1 JinGu Road, South,Xiutang, Huadong Town, Huadu District, Guangzhou, Guangdong, China
Manufacturer:	Same as applicant
Factory:	Same as applicant
Testing location/address:	SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch 198 Kezhu Road, Science City, Economic & Technology Development Area, Guangzhou, Guangdong, China
Standard(s):	IEC TR 62778: 2014 Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
Test item description:	LED chip
Trade Mark/Brand:	
hado many Brana.	—
Model/Type reference:	— TX-3570W15FC-NUFEZWB02DT, TX-3570W16FC120-NUFEZW-B04DT, TX-3570W21FSA3-NU3CD-01, TX-3570W30FSA3-NU4CD-01, TX-3570W30FSB3-NU4CD-02, TX-3570W30FSA3-NU4CD-03
	TX-3570W21FSA3-NU3CD-01, TX-3570W30FSA3-NU4CD-01,
Model/Type reference:	TX-3570W21FSA3-NU3CD-01, TX-3570W30FSA3-NU4CD-01, TX-3570W30FSB3-NU4CD-02, TX-3570W30FSA3-NU4CD-03

Alex Tan

Alex Tan Reviewer E&E Safety Laboratory

Nuan Junny Huang

Sr Project Engineer





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Copy of marking plate N/A	
The LED chip was tested under DC 1,9 A and	DT for represented, due to it is the highest CCT. belong to RG2 unlimited for all distances < dmin 840 mm > dmin 840 mm according to IEC TR 62778: 2014.
Use of uncertainty of measurement for deci	isions on conformity (decision rule) :
limit according to the specification in that stand	when comparing the measurement result with the applicable dard. The decisions on conformity are made without e acceptance" decision rule, previously known as "accuracy
Test item particulars:	
Product evaluated:	🖂 LED package
	LED module
	Luminaire
Rated CCT (K)	
Rated Luminance (Mcd/m ²):	
Component report data used:	
	LED package
	LED module
	Lamp Report number:
Possible test case verdicts:	
- test case does not apply to the test object :	N/A
- test object does meet the requirement:	
- test object does not meet the requirement :	
Testing Date of receipt of test item:	2022-00-27
Date (s) of performance of tests:	





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General product information:

The LED chip can emit the white light when powered. All models are the same except CCT.





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	IEC TR 62778				
Clause	Requirement + Test	Result - Remark	Verdict		
7	MEASUREMENT INFORMATION FLOW				
7.1	Basic flow				
	'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	onditions for the radiance measurement			
	Standard condition applied (200mm distance, 0,011rad field of view)		Р		
	Non-standard condition applied				
7.3	Special cases (I): Replacement by a lamp or LED module of another type				
	Light source is a white light source		N/A		
	Evaluation done based on highest luminance		N/A		
	Evaluation done based on CCT value		N/A		
7.4	Special cases (II): Arrays and clusters of primary	light sources	_		
	LED package is evaluated as:	RG0 unlimited	N/A		
	Ethr of LED package applies to array		N/A		
8	RISK GROUP CLASSIFICATION		Р		
	Risk group achieved:		N/A		
	Risk Group 0 unlimited		N/A		
	Risk Group 1 unlimited				
	- E _{thr} (lx) : Distance to reach RG1 (mm) :	861,61 840	Р		





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TABLE: Spectroradiometric measurement						
	Measurement performed on:			 LED package LED module Lamp Luminaire 		_
	Model number		:	TX-3570W15FC-N	UFEZWB02DT	_
	Test voltage (V):			N/A		
	Test current (mA):			1900		—
	Test frequency (Hz):			N/A		_
	Ambient, t (°C):			25		—
	Measurement distance::			: ⊠ 20 cm □ cm		
	Source size:			⊠ Non-small □ Small : mm		_
	Field of view:			☐ 100 mrad ⊠ 11 mrad ☐ 1,7 mrad		—
	Item	Symbol	Units	Result	Remark	
Correlated of	colour temperature	CCT	К	8262	—	
x/y colour coordinates -			—	0,2935 / 0,3001	—	
Blue light hazard radiance		LB	W/(m ² •sr ¹)	71470	—	
Blue light hazard irradiance		Eв	W/m ²		—	
Luminance		L	cd/m ²	6,158 x 10 ⁷	—	
Illuminance E		E	lx	14765	—	
Supplementary information: The product belongs to RG2 unlimited for all distances < d _{min} 840 mm. The product belongs to RG1 unlimited for all distances > d _{min} 840 mm.						





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Details of:	View of the product
View:	
🛛 general	
front	
🗌 rear	
🗌 right	HD-67-002 + +
left	
🗌 top	
bottom	

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