Test Report

Report No.: GZEE231200489231
Amendment 02 Date: 2026-03-31

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

Applicant:	**Shenzhen Chengxing Electronic Technology Co., Ltd.** **Room 705 - 709, Nanguang Building, No.1004 Huafu Road, Futian District, Shenzhen, China**
Manufacturer:	**XINGLIGHT** **Room 705 - 709, Nanguang Building, No.1004 Huafu Road, Futian District, Shenzhen, China**
Factory:	**Same as manufacturer**
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 62471:2006 Photobiological safety of lamps and lamp systems
Test item description:	LED
Trade Mark/Brand:	**XINGLIGHT**
Model/Type reference:	XL-302SURC, F1.8MM, F2MM, F3MM, F4.8MM, F5MM, F8MM, F10MM, F12MM, 234MM, 257MM, 2520, F4MM, 134MM, 557MM, **4543, 908-7, 928-6, 968-8, 438, 638**
Ratings:	**DC 5 - 20 mA, 1,8 – __– __ – __**

Alex Tan

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification

Copy of marking plate N/A
Summary of testing: The test model XL-302SURC was tested under 5 mA DC. It belongs to RG0 according to IEC 62471:2006.
Use of uncertainty of measurement for decisions on conformity (decision rule) : No decision rule is specified by the standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty (“simple acceptance” decision rule, previously known as “accuracy method”).
Test item particulars ..... : Tested lamp..... : ☒ continuous wave lamps ☐ pulsed lamps Tested lamp system ..... : — Lamp cap ..... : —

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification

1 Measurement conditions

Seasoning of lamps shall be done as stated in the appropriate IEC lamp standard.
The seasoning time for fluorescent or High Intensity Discharge (HID) types is typically 100 h, 0 h for LED lamp. /Span <</MCID 7/Lang (en-US)>> BDC q0.000008873 0 595.44 841.68 reW* nBT1(l)8(af40.7B)>> BDC q0.00000

Unless otherwise agreed in writing, this document is issued by the Company [illegible] General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnificat[illegible]

Test Report **Report No.: GZEE231200489231**
Amendment 02 Date: 2026-03-31

Table 5.4a	Summary of the ELs for the surface of the skin or cornea (irradiance based values) for IEC 62471	
Hazard Name	Relevant equation	

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification

3 Emission limit & Test result:

Table 6.1a	Emission limits for risk groups of continuous wave lamps (IEC 62471)									
Risk	Action spectrum	Symbol	Units	Emission Measurement					
				Exempt		Low risk		Mod risk	
				Limit	Result	Limit	Result	Limit	Result
Actinic UV	SUV(λ)	E_S	$W•m^{-2}$	0,001	0	0,003		0,03	

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification

Photo documentation:

Details of: View of model XL-302SURC

View:

☒ general

☐ front

☐ rear

☐ right

☐ left

☐ top

☐ bottom

- - - End of Report

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification