

INSPECTION REPORT (No.: NX2603100522)

THE BLACK LIGHT LAMP FOR FLAW DETECTION PRODUCED BY OUR COMPANY MEETS THE FOLLOWING STANDARDS: THE MECHANICAL INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA JB/T 8290-2011, THE NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA GB/T 15822.1-2005 FOR NONDESTRUCTIVE TESTING AND MAGNETIC PARTICLE TESTING, AND THE PHOTOBIO SAFETY STANDARD IEC/EN 62471 2008.



Figure 1: wavelength diagram (center wavelength $365\text{nm} \pm 5\text{nm}$), without harmful UV-B / UV-C.

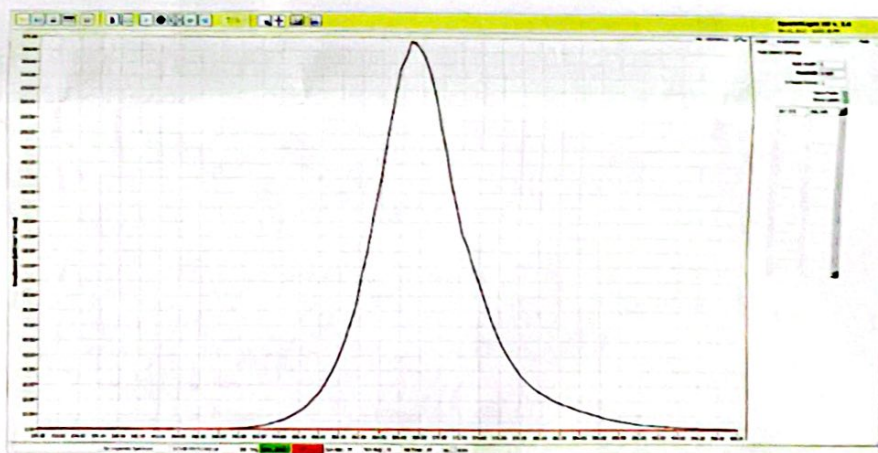


Figure 2: aging parameter curve of LED chip

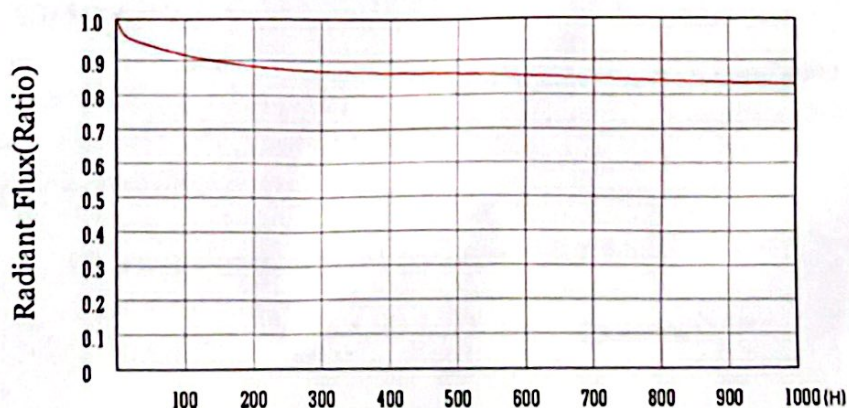
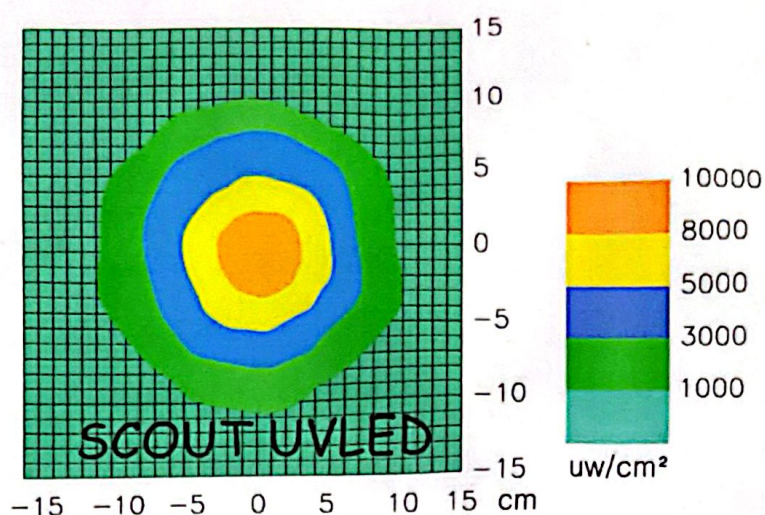


Figure 3: light source distribution



Parameters and test items		
project	Parameter / mode	
model	DG-9W	
UV-FLUX Calibration at room temperature 25 °C 380mm	UV-FLUX>8000uW/cm²	PASS
Effective coverage area Calibration at room temperature 25 °C 380mm	220mm	PASS
wavelength	366.5nm (UVA)	PASS
UV-B/UV-C	NO	PASS
FLUX Deviation	0-40°C ±10%	PASS

Sampling data:

2026/3/8—3/10

0H: 9375uw/cm² 12H: 8130uw/cm²

Note: due to the temperature, humidity and heat dissipation conditions, as well as the reason that the new lamp beads are not aging, the initial light attenuation is large, and it is basically stable after 100h of use.

The above tests are in line with the corresponding national standards and industry standards, and are allowed to leave the factory!

DATA: 2026/3/10

EXAMINATION CLERK: 仇美干

Main products introduction

			
S3120 handheld type	S3035-9K suspension type	S3050-15K suspension type	S-3W flashlight type
FLUX >10000uW/cm ² The weight < 500g Quick replacement battery!	Large area of the UV light source . FLUX>9000uW/cm ² . Temperature rise <8°C. Life of 30000h light source!	Large area of the UV light source . FLUX>15000uW/cm ² . Temperature rise <8°C. Life of 30000h light source!	Condensing type > 18000uW/cm ² . Astigmatism type > 2200uW/cm ² . Life of 30000h light source!

DG-9W type hand-held rechargeable LED- UV Light

Characteristics

- Power energy - energy saving of only 9VA
- The average service life of the light source - 30000h!
- The content of UV-B is 0.
- 5-6 hours of battery life.
- External without wiring
- Quartz and optical glass module, non PMMA material, excellent weather resistance.



Continuous working outside surface temperature < 5K (5°C)

- With UV/white light dual illumination functions, one-handed switching

