25.04.07
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Document No. : Q8HE-TFB3-BM6J

# Test Report

**Report No.** : GT2022-10060(R1)

| | | |
|---|---|---|
| Company | : | Xperix Inc. |
| Representative | : | YUN SANG CHUL |
| Address | : | 1207, 37, Sagimakgol-ro 62beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea |

| | | |
|---|---|---|
| 1. Test Sample | : | BioMini Combo 2 |
| - Model/Type Reference | : | DC 5 V [Model : BMC-2] |
| 2. Use of Report | : | For Quality Control |
| 3. Date of Receipt | : | 2022.03.03. |
| 4. Date of test | : | 2022.03.03. - 2022.03.21. |
| 5. Test Method | : | IEC 62471:2006 |
| 6. Test Environment | : | Temperature : (25 ± 1) ℃, Relative Humidity : (55 ± 10) % R.H. |
| 7. Location of test | : | ☑ Permanent Lab ☐ On Site Testing |

(Address : 22 Heungandaero-27-gil, Gunpo, Gyeonggi-do )

8. Test Results : Refer to the attachment

**Tested by :** Sung-Hyun Kim 김성현(sign) **Approved by :** Park Jong Kwon 박종권

1. The test results presented in this report are based on KS Q ISO/IEC 17025 and KOLAS accreditation. The test results relate only to the object tested and are not representative of the quality of the entire product.
2. The report should not be used for other intended purposes including promotional, advertising, or litigation without the prior consent of KTC.
3. The authenticity of this test report can be verified on the KTC website (www.ktc.re.kr).

Dated 2025. 04. 07.

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**Accredited by KOLAS, Republic of KOREA**

www.ktc.re.kr [15809] 22 Heungandaero-27-gil, Gunpo, Gyeonggi-do

TEL : +82-1899-7654 , FAX : +82-31-455-7307

The above test report is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA



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# Test Result

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| Test item | Standard | Unit | Test result |
|---|---|---|---|
| Actinic UV | **Exempt** Limit value : $E_S$ < 0.001<br>- Wavelength range : ( 200 ~ 400 ) nm | $W/m^2$ | $2.32 \times 10^{-6}$ |
| Near UV | **Exempt** Limit value : $E_{UVA}$ < 10<br>- Wavelength range : ( 315 ~ 400 ) nm | $W/m^2$ | $1.13 \times 10^{-4}$ |
| Blue Light | **Exempt** Limit value : $L_B$ < 100 (100 mrad)<br>- Wavelength range : ( 300 ~ 700 ) nm | $W/(sr \cdot m^2)$ | $6.41 \times 10^{-3}$ |
| Retinal Thermal | **Exempt** Limit value : $L_R$ < 466 666 (11 mrad)<br>- Wavelength range : ( 380 ~ 1 400 ) nm | $W/(sr \cdot m^2)$ | 101<br>22.8 |
| Infrared | **Exempt** Limit value : $E_{IR}$ < 100<br>- Wavelength range : ( 780 ~ 3 000 ) nm | $W/m^2$ | $1.25 \times 10^{-3}$ |
| Thermal Skin | **Pass** Limit value : $E_H$ < 3 560<br>- Wavelength range : ( 380 ~ 3 000 ) nm | $W/m^2$ | $2.63 \times 10^{-2}$ |

**Remark** : 1. Test environment : Ambient temperature : (25 ± 1) ℃
Relative humidity : (55 ± 10) % R.H.

2. Measurement distance : 200 mm (Non-GLS)

3. Test condition : After running the program for scanner, Click 'Init', set 'Timeout' to 0 in 'Scanner Parameters', click 'Start Capturing' in 'Use Scanner', and measure the radiation from red LEDs.
And radiance was measured for each of the two type of red LEDs.

4. Resulting IEC62471 classification

| Hazard | Risk Group |
|---|---|
| Actinic UV | **Exempt** |
| Near UV | **Exempt** |
| Blue Light | **Exempt** |
| Retinal Thermal | **Exempt** |
| Infrared | **Exempt** |
| Thermal Skin | **Pass** |

5. The test report(Report No.: GT2022-10060(R1)) is the re-issue report of the test report(Report No.: GT2022-10060, Date of issue: 2022.03.21). The correction of the test report is modifcation of company name and representative.

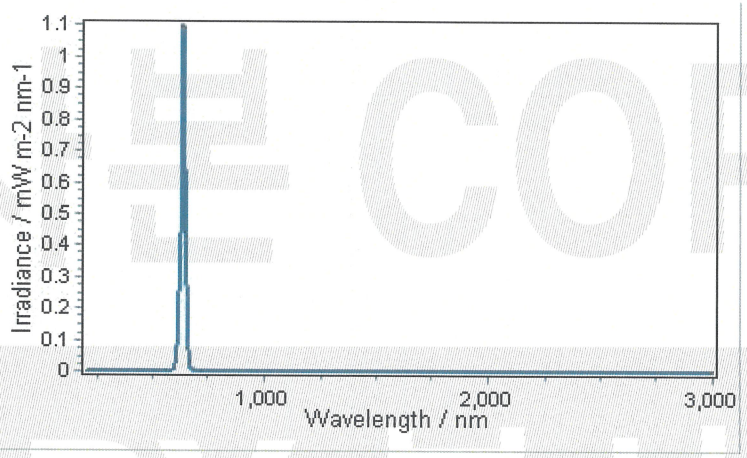


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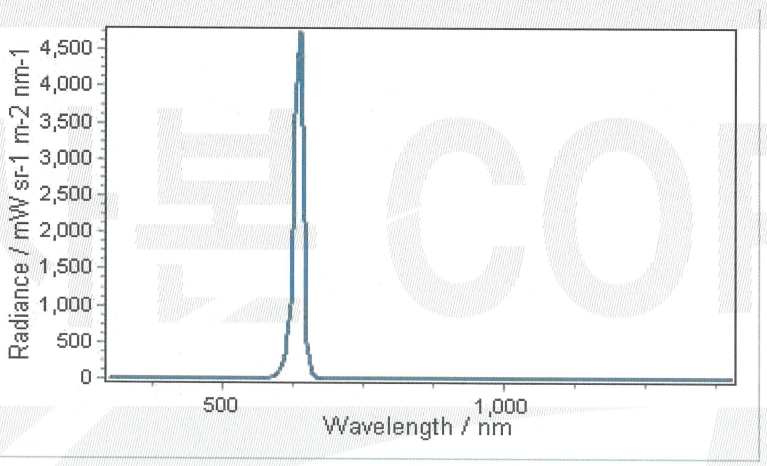
# Test Result

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Irradiance Graph (Unit : mW/(m$^2$·nm))




Radiance Graph (Unit : mW/(sr·m$^2$·nm))






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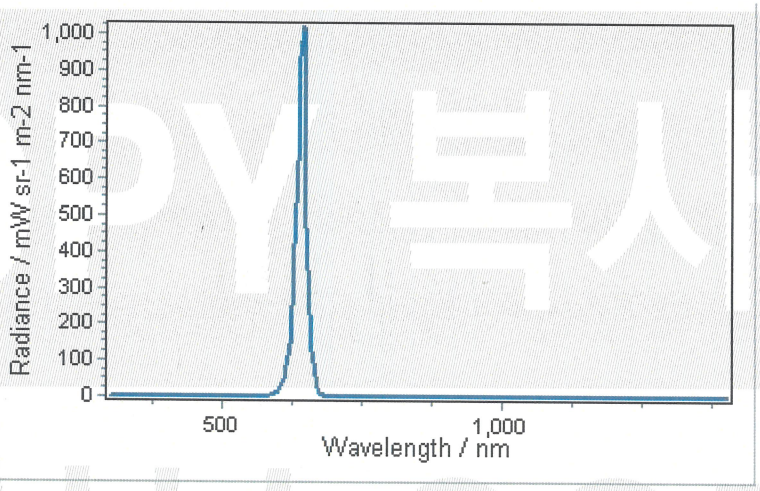
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# Test Result

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Radiance Graph (Unit : mW/(sr·m²·nm))



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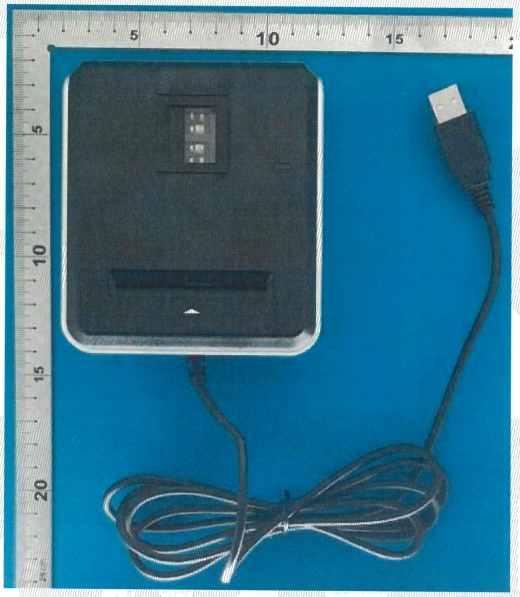
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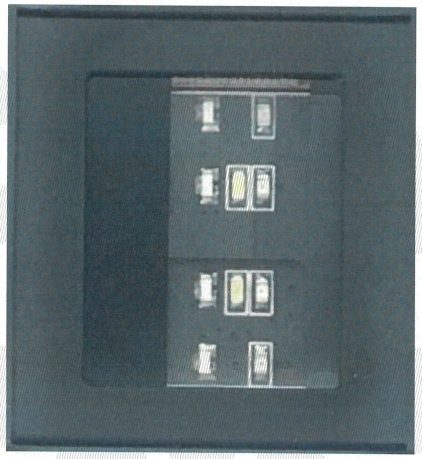
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# Test Result

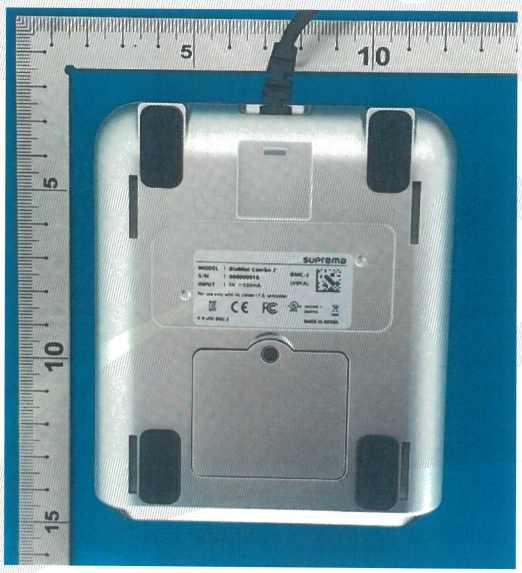
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Sample Photo (Front)





Sample Photo (Back)






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