



# 测试报告

## Test Report

报告编号 GXgd2025-02134  
Report No

客户名称  
Client

IBEX LIGHTING

样品名称  
Sample

光度探头/Photodetector

型号/规格  
Type/Model

PHOTO-VIS-L

出厂编号  
Serial No.

250316-1

生产厂商  
Manufacturer

/

客户地址  
Client Address

2 Matarawa Place, Tauriko, Tauranga 3171, New Zealand  
(Post code: 3171)

测试日期  
Date of Test

2025-06-09

批准人:

刘慧

Approved by



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# 中国计量科学研究院

National Institute of Metrology, China

报告编号 GXgd2025-02134

Report No.



中国计量科学研究院（NIM）是国家最高的计量科学研究中心和国家级法定计量技术机构。1999 年授权签署了国际计量委员会（CIPM）《国家计量基(标)准和国家计量院签发的校准与测量证书互认协议》（CIPM MRA）。The National Institute of Metrology (NIM) is China's national metrology institute (NMI) and a state-level legal metrology institute. NIM is China's signatory to the Mutual Recognition of National Measurement Standards and of Calibration and Measurement Certificates Issued by National Metrology Institutes (CIPM MRA) which is arranged by the International Committee of Weights and Measures (CIPM).

质量管理体系符合 ISO/IEC17025 标准，通过中国合格评定国家认可委员会（CNAS）和亚太计量规划组织（APMP）联合评审的校准和测量能力（CMCs）在国际计量局（BIPM）关键比对数据库中公布。NIM's quality management system meets requirements of the ISO/IEC 17025. Its Calibration and Measurement Capabilities (CMCs) that are peer reviewed both by China National Accreditation Service for Conformity Assessment (CNAS) and the Asia Pacific Metrology Programme (APMP) are published in the International Bureau of Weights and Measures (BIPM) Key Comparison Database (KCDB).

2020 年，NIM 和 CNAS 就认可领域的技术评价活动签署了谅解备忘录，承认 NIM 的计量支撑作用和出具的校准/检测结果的溯源效力。NIM and CNAS signed a Memorandum of Understanding (MOU) for Recognition of Technical Assessment in Laboratory Accreditation Field in 2020, in which CNAS recognizing the technical supporting role of NIM in laboratory accreditation and the traceability of NIM's calibration / test results.

测试所依据/参考的技术文件（代号、名称）Reference documents (Code, Name)

参照 JJG245-2005 光照度计检定规程

Refer to JJG245-2005 Verification Regulation of Illuminance Meter

测试环境条件及地点 Testing place and environment:

温度 Temperature: (22.4±0.5) °C 地点 Location: 和-13-213

湿度 Humidity: (26±1) % RH 其它 Others:

测试使用的计量基（标）准装置（含标准物质）/主要仪器

Reference Standards (Including Reference Material) /Instruments used

| 名 称<br>Name                                                 | 测量范围<br>Measurement<br>Range | 不确定度/<br>准确度等级<br>Uncertainty/<br>Accuracy | 报告编号<br>Certificate No. | 证书有效期至<br>Due Date<br>(YYYY-MM-DD) |
|-------------------------------------------------------------|------------------------------|--------------------------------------------|-------------------------|------------------------------------|
| 照度工作<br>基准装置<br>Illuminance<br>Working Standard<br>Facility | (1~3000) lx                  | $U_{rel}=0.4\%$ ,<br>( $k=2$ )             | [2000]国量标计<br>证字第 017 号 | 2026-02-08                         |

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## 测 试 结 果

Test Results

| 方向性响应/ Directional Response                            |                                                   |                                                        |                                                   |
|--------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------|---------------------------------------------------|
| 入射角/<br>The angle of<br>incidence<br>$\varepsilon$ (°) | 输出信号<br>The output<br>signal<br>( $\mu\text{A}$ ) | 入射角/<br>The angle of<br>incidence<br>$\varepsilon$ (°) | 输出信号<br>The output<br>signal<br>( $\mu\text{A}$ ) |
| 0                                                      | 0.3533                                            | 0                                                      | 0.3533                                            |
| 5                                                      | 0.3529                                            | -5                                                     | 0.3521                                            |
| 10                                                     | 0.3498                                            | -10                                                    | 0.3487                                            |
| 15                                                     | 0.3438                                            | -15                                                    | 0.3426                                            |
| 20                                                     | 0.3349                                            | -20                                                    | 0.3336                                            |
| 25                                                     | 0.3231                                            | -25                                                    | 0.3219                                            |
| 30                                                     | 0.3086                                            | -30                                                    | 0.3077                                            |
| 35                                                     | 0.2916                                            | -35                                                    | 0.2910                                            |
| 40                                                     | 0.2723                                            | -40                                                    | 0.2721                                            |
| 45                                                     | 0.2509                                            | -45                                                    | 0.2513                                            |
| 50                                                     | 0.2275                                            | -50                                                    | 0.2286                                            |
| 55                                                     | 0.2025                                            | -55                                                    | 0.2043                                            |
| 60                                                     | 0.1760                                            | -60                                                    | 0.1786                                            |
| 65                                                     | 0.1482                                            | -65                                                    | 0.1518                                            |
| 70                                                     | 0.1195                                            | -70                                                    | 0.1240                                            |
| 75                                                     | 0.09021                                           | -75                                                    | 0.09555                                           |
| 80                                                     | 0.06070                                           | -80                                                    | 0.06674                                           |
| 85                                                     | 0.02385                                           | -85                                                    | 0.03160                                           |

方向性响应总误差/The total error of directional response  $f_2$ : 1.6%

声明 Statement:

- 我院仅对加盖“中国计量科学研究测试专用章”的完整报告负责。  
NIM is ONLY responsible for the complete report with the test stamp of NIM.
- 本报告的测试结果仅对所测试的样品有效。  
The report is ONLY valid for the tested sample or instrument.
- 本报告用中英文两种语言表达，准确含义以中文为准。  
The report is expressed in both English and Chinese, with the Chinese version as standard.

测试员: 姜晓梅

Tested by

核验员: 吕亮

Checked by

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