

新興節能科技產品檢測技術計畫(106)-UVLED分項

執行單位

財團法人台灣電子檢驗中心

計畫主持人

洪明正

- 計畫研究光譜儀(Spectroscope)、照度計、積分球使用儀器校正方法及程序，進而提出可見光及紫外線(UV)光標準燈應用於標準的追溯及量測技術，相關量測技術將有助於建立較完整及可靠的UV LED光量測系統。
- 進行實驗室能量規劃與設備評估，建置「UV LED暨UV偵測器輻射能量校正設備」。提供業界在地之UV LED暨UV偵測器輻射追溯標準。



建置UV LED量測校正能量

Testing and Certification Program for Emerging Energy-saving Products (106)

Execution Unit

Electronics Testing Center, Taiwan

Project Director

Hermes Hung

- To investigate the calibration methods and procedures of spectrophotometer, illuminometer, and integrating sphere, and also proposes the standard lamp of the visible light and ultraviolet (UV) light which apply for the standard's traceability and measurement technique. The proposed measurement techniques will help to establish more complete and reliable UV LED light measurement system.
- To construct the traceability standard (including the calibration procedure and the assessment of measurement uncertainty) for UV LED and the irradiance of UV detector



construct the UV LED traceability standard