

Ultraviolet Light Amount Distribution Measurement Film

**UVSCALE Application Examples**

**No.10** Field UV equipment

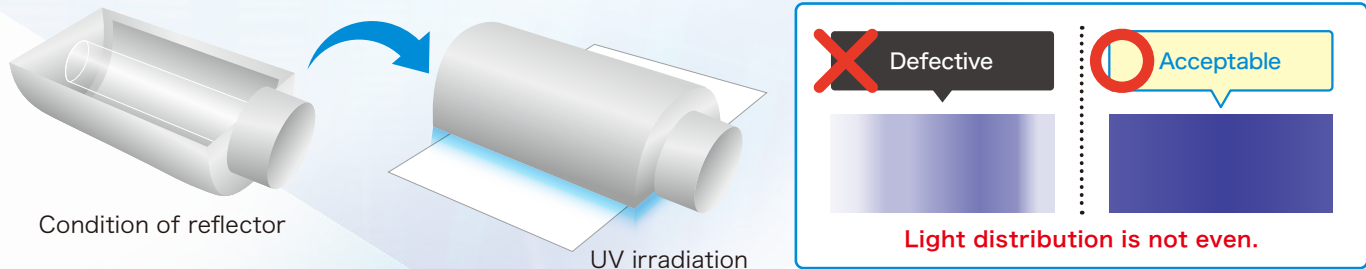
**Measured objects** ● Light amount distribution of UV modules (reflectors)

**Purpose**

- Product evaluation during design development
- Product quality inspection at time of shipment
- Maintenance inspection

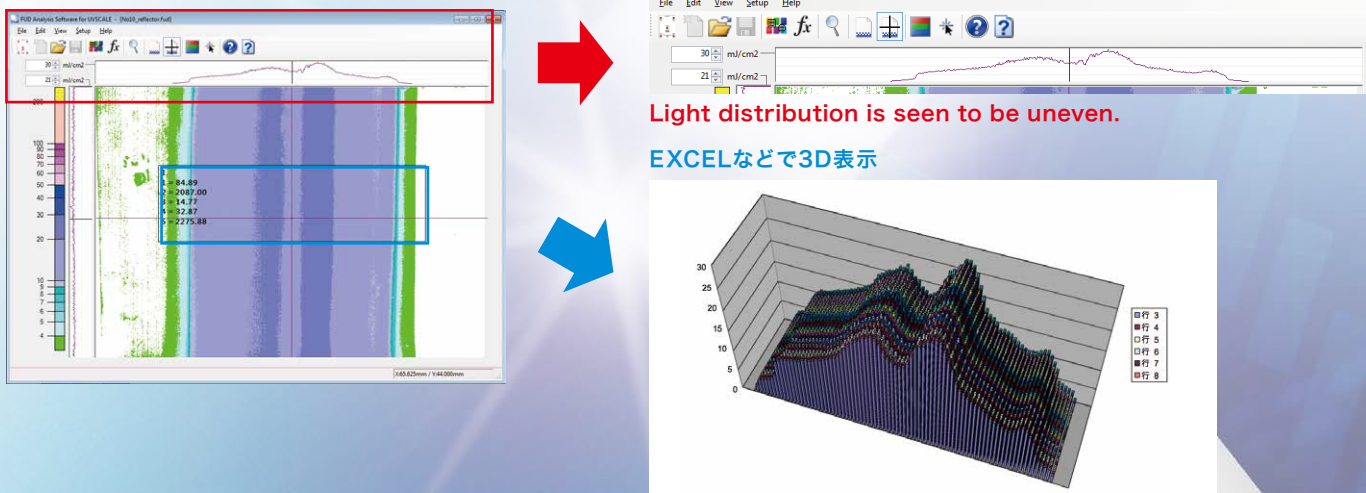
**Outline of use** Cut the UVSCALE to the size of the module to be tested. Adjust the distance between the module and the UVSCALE in accordance with the light amount distribution to be checked, and irradiate with UV. If the light amount is uneven, adjust the tube amplifier and reflector.

**[Example of visual check]** Irradiate using a UV LAMP module then visually check light amount distribution by examining the color of the UVSCALE.



**[Example of analysis using software]** Use the special analysis software (FUD-7010E) to scan in the irradiated UVSCALE and analyze unevenness of the light amount in detail.

■ UV light Cross section view



**Benefits of UVSCALE**

- UVSCALE makes it easy to check the condition of reflectors, so that their angle and location can be fine-tuned, enabling improved quality.
- The special unit allows UV light distribution to be measured in a short time, enabling 100% inspection of products.
- Using the special software, light distribution can be scanned in and presented as an inspection report.

UVSCALE Search [http://www.fujifilm.com/products/industrial\\_products/uvscale/](http://www.fujifilm.com/products/industrial_products/uvscale/)

\* Please note that the specifications and performance stated in this catalog may change without prior notice as a result of improvements. The diagrams used are schematic, and differ from those for actual measurements.