Flat Lights
TH2 series Rectangular type

Refer to our website for product details.
CCS TH2 ▶ Search
Use a search engine.
You can also use your smartphone or cell phone.

Flat Light Units with a 300 x 75 mm emitting surface. Applicable to inspection of rectangular workpieces and imaging with a line sensor camera.

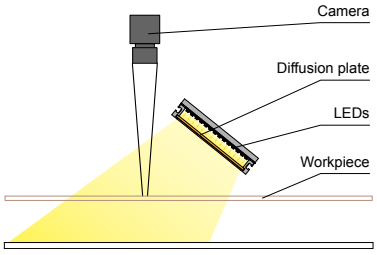
TH2-300X75SW TH2-300X75RD

Applications Inspection of the appearance of cylindrical containers or square-shaped workpieces, inspection for stains and foreign material on non woven fabrics, fault inspection of films, inspection of the appearance of glass, etc.

Features

These Flat Lights are optimum for inspecting rectangular workpieces.
Also applicable to inspections with a line sensor camera.

Example configuration (TH2-300X75)



We accept custom orders. Please feel free to inquire.
- Shape modifications
- Brightness increases
- Changes in wavelength, etc.

Inspection with a line sensor camera

Imaging example: the appearance of cylindrical containers

Workpiece:
Cylindrical container
(cosmetic product)

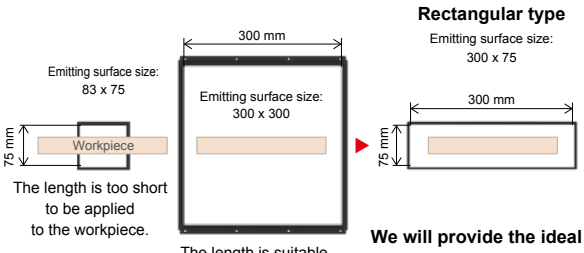
TH2-300X75SW

The state of the surface can be images. Also the printed text is clearly recognized.

Comparison of emitting surface sizes

Ideal for inspecting rectangular workpieces.

(For use with area sensor cameras)

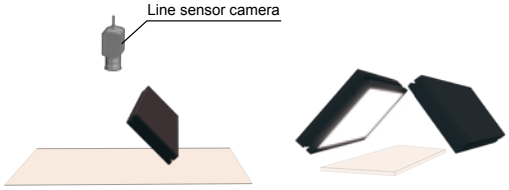


The length is too short to be applied to the workpiece.

The length is suitable, but there are large unused areas.

We will provide the ideal size for the workpiece to help you save space.

Also applicable to inspection with a line sensor camera



Sheet-shaped workpieces which are easy to flap

Reproducing the effect of Dome Lights

Can be used for a wide range of applications.

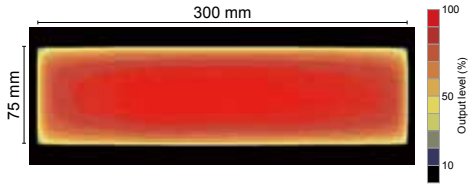
We have various materials.
PDF Drawings | DXF Drawings | 3D CAD | Instruction Guides | Product Fliers | Imaging Samples | Data Sheets | Examples of Custom Ordered Products
Download here.
http://www.ccs-grp.com/dl/

Data (Representative example)

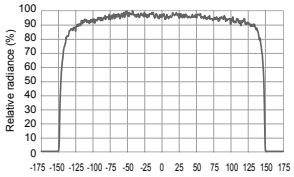
The data included is for reference only. Actual values may vary.

TH2-300X75SW

Uniformity (Relative radiance)

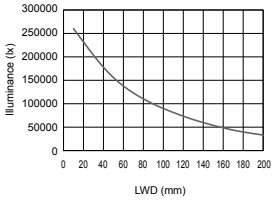


Relative radiance distribution



Illuminance graph (LWD Characteristics)

*1: Illuminance on the optical axis
*2: Illuminating distance from the Light Unit to the workpiece

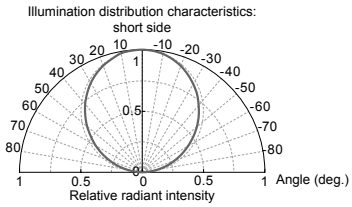


Characteristic of the illumination distribution

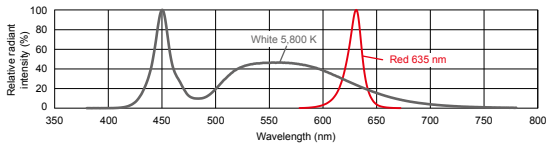
Measuring direction: long side

Measuring direction: short side

Illumination distribution characteristics:



LED properties

Spectral distribution	

CCS offers you the most suitable lens filter for each wavelength. For details about the lens filter, refer to P.287.

Be sure to read the "Instruction Guide" included with the product before use and follow the safety precautions upon use.
The data included is for reference only. Actual values may vary.

Lineup

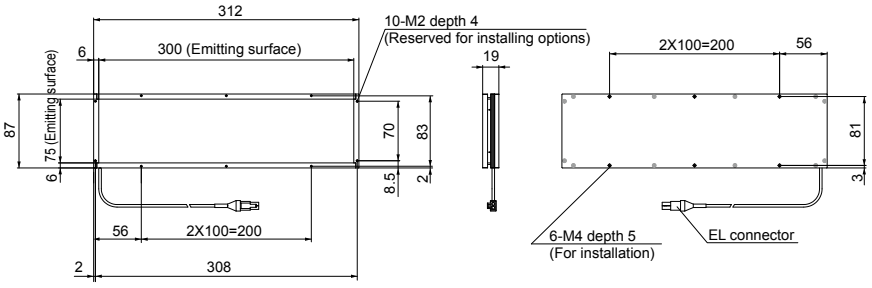
Model name	LED color	Power consumption	Peak wavelength/ correlated color temperature	Options	Extension cables	Recommended Control Units	Weight
TH2-300X75RD	Red	24 V / 54 W	635 nm	–	FCB-EL2 Straight Cable FCB-W-EL2 2-branch Cable	PD3-10024-8 POD-22024-4-PEI*1 PSB3-30024	650 g
TH2-300X75SW	White	24 V / 68 W	5,800 K				

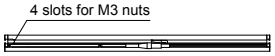
Extension Cables ▶ P.296 | Control Unit Selection Guide ▶ P.243 | List of Control Unit Specifications ▶ P.245

*1 For information on the combination of Light Units and POD-series Control Unit, please refer to our website. http://www.ccs-grp.com/lnk/qr/pod

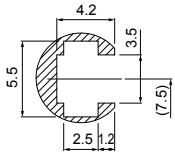
Dimensions (mm)

TH2-300X75RD/SW





Nut slot detail diagram



You can change the connectors of the Light Unit cable. Choose between M12 connectors and flying leads. Refer to P.5 for details.

You can inquire using our website.

Requests for Light Unit Selection | Requests for Loan Products | Requests for Estimates | Requests for a Catalog | Product Inquiries | Other Inquiries

Inquire on our website here.
http://www.ccs-grp.com/contact/