

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

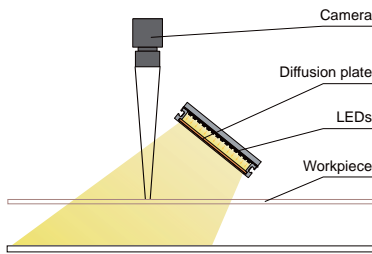
Applications

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.

Imaging example: Imaging the appearance of cylindrical containers

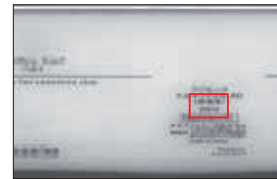


Workpiece: Cylindrical containers (cosmetics)



Inspection with a line sensor camera

TH2-300X75SW

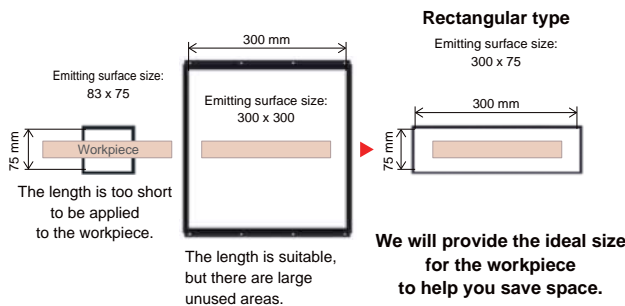


The state of the surface can be images. Also the printed text is clearly recognized.

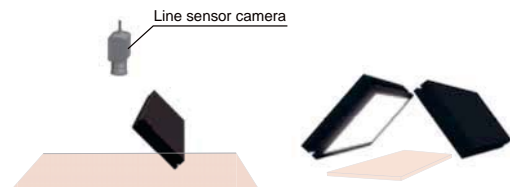
Comparison of Emitting Surface Sizes

Ideal for inspecting rectangular workpieces.

(For use with area sensor cameras)



Also applicable to inspection with a line sensor camera



Sheet-shaped workpieces which are easy to flap

Reproducing the effect of Dome Lights

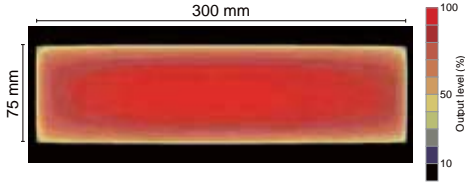
Can be used for a wide range of applications.

Data (Representative Example)

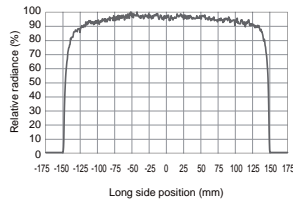
The data included is for reference only. Actual values may vary.

TH2-300X75SW

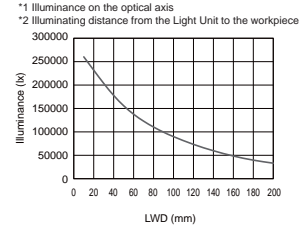
Uniformity (Relative radiance)



Relative radiance distribution



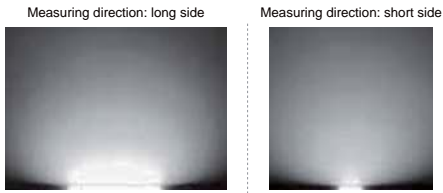
Illuminance graph (LWD characteristics)



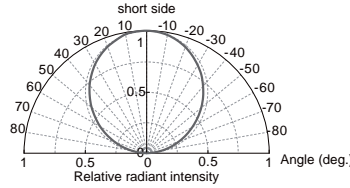
*1 Illuminance on the optical axis

*2 Illuminating distance from the Light Unit to the workpiece

Characteristic of the illumination distribution

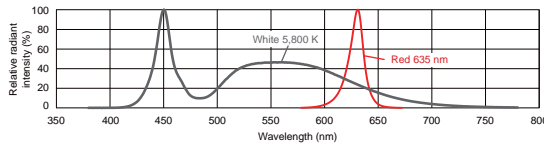


Illumination distribution characteristics:



LED Properties

Spectral distribution



Offers you the most suitable lens filter for each wavelength.
For details about the lens filter, refer to P.299.

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 PSB4-30024-PEI	650 g
TH2-300X75SW	White	24 V / 68 W	5,800 K				

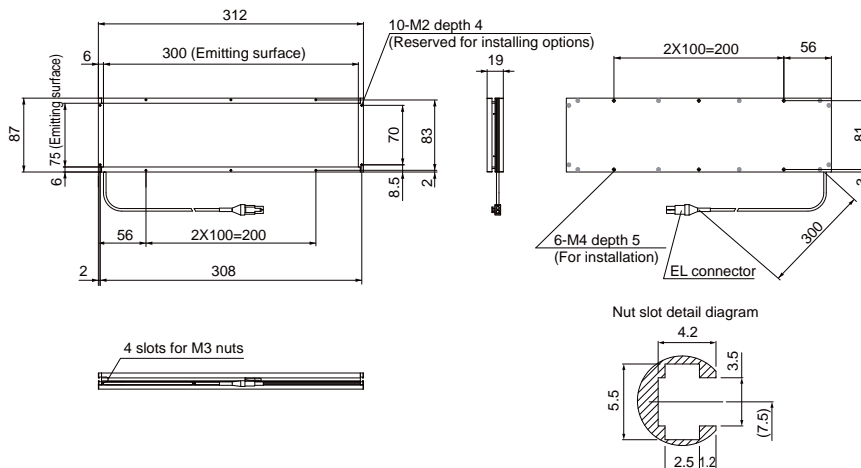
Extension Cables ▶ P.308

Control Unit Selection Guide ▶ P.251

List of Control Unit Specifications ▶ P.253

Dimensions (mm)

TH2-300X75RD/SW



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.

- Sample Testing
- Light Unit Selection
- Free Product Trial
- Custom Orders
- Product Details
- Pricing/Quotation
- Discontinued Products

Direct Lighting	LDR2 LDR2-LA LDR-LA1 SQR SQR-TP
Diffused Lighting	HPR2 LFR LKR FPR FPQ2
Direct Lighting	LDL2 LDLB HLDL2 HL
Diffused Lighting	TH2 (5 types) TH LFL HPD2 LDM2 LAV PDM LFX3 LFX3-PT LFV3
Coaxial Lighting	MSU MFU
Strobe Lighting	PF
Water-proof Lighting	HLDR-IP/ HSL-PCL
Ultraviolet Lighting	UV2 UV LNSP-UV-FN
Infrared Lighting	IR2
Intensity Control Lighting	IU
Spot Lighting, Etc.	HLV3 HLV2 LV LSP HFS/HFR HLV3-NR HLV3-3M-RGB-4 HLV2-NR HLV2-3M-RGB-3W PFBR PFB3 PFB2
Convergent Lighting	LNLP LNSP2 LNSP Coaxial Units LNSP-FN LN/LN-HK
Diffused Lighting	LNSD LND2 HLND LT LNV
Oblique-Angled Lighting	LNDG LNIS2 LNIS LNIS-FN
Lenses	Telecentric Lens Macro Lens