

Ideal for inspecting large workpieces



TH2-380X250SW



TH2-300X300RD



TH2-400X400SW



TH2-500X500SW

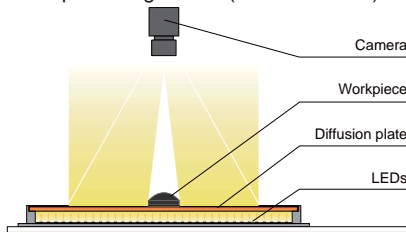
Applications

Inspection of liquid surface level in large bottles and infusion bags, inspection of the appearance of wafers and automobile components, light source embedded in conveyors, etc.

Features

Flat Light Units with an emitting surface of up to 500 x 500 mm. They are ideal for inspecting large workpieces and available to inspect a wide area.

Example configuration (TH2-300X300)



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



Imaging example: Imaging the liquid surface level in large bottles



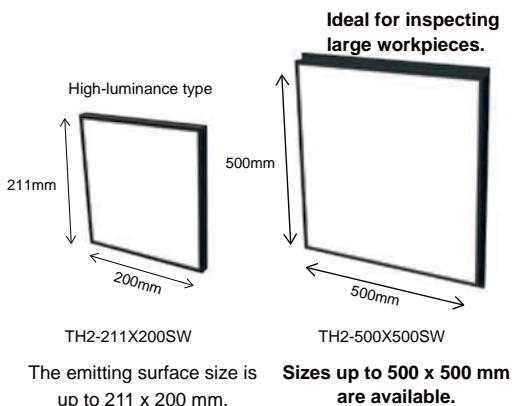
Height: 400 mm
Capacity: 1.8 L

TH2-500X500SW

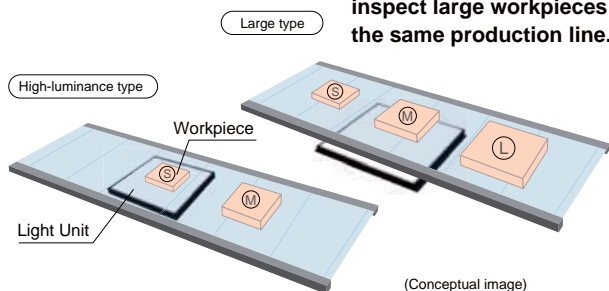


The liquid surface level and the label position are clearly imaged.

Comparison of Emitting Surface Sizes



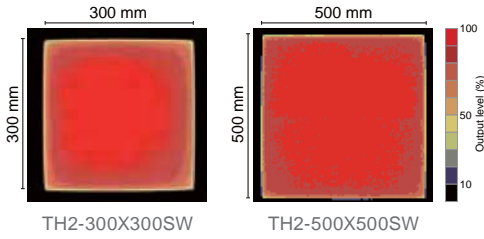
Comparison of the maximum workpiece size in a production line



The large type lets you expand the inspection region so that you can inspect large workpieces in the same production line.

Data (Representative Example)

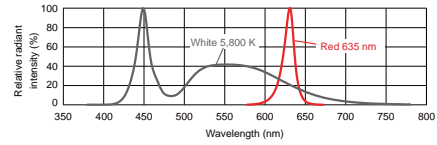
Uniformity (Relative radiance)



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

LED Properties

Spectral distribution



CCS 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	
TH2-300X300RD	Red	24 V / 85 W	635 nm	-	FCB-EL2 Straight Cable	PD3-10024-8	2,700 g	
TH2-300X300SW	White	24 V / 86 W	5,800 K			POD-22024-4-PEI*1		
TH2-380X250RD	Red	24 V / 90 W	635 nm			FCB-W-EL2 2-branch Cable	PSB4-30024-PEI	2,900 g
TH2-380X250SW	White	24 V / 93 W	5,800 K					
TH2-400X400RD	Red	24 V / 130 W	635 nm		FCB-1.25SQ-ME7 FCB-20-2.0SQ-ME7	PSB4-30024-PEI	5,400 g	
TH2-400X400SW	White	24 V / 153 W	5,800 K					
TH2-500X500RD	Red	24 V / 202 W	635 nm					
TH2-500X500SW	White	24 V / 239 W	5,800 K				7,800 g	

Extension Cables ▶ P.308

Control Unit Selection Guide ▶ P.251

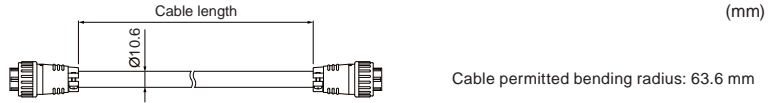
List of Control Unit Specifications ▶ P.253

Extension Cables (Metal Connectors)

Necessary when connecting the Light Unit to the recommended Control Unit, PSB4-30024-PEI.

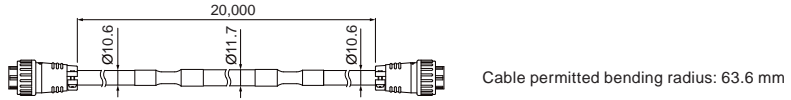
FCB-1.25SQ-ME7

Model name	Cable length	Weight
FCB-2-1.25SQ-ME7	2 m	430 g
FCB-3-1.25SQ-ME7	3 m	580 g
FCB-5-1.25SQ-ME7	5 m	1,000 g
FCB-10-1.25SQ-ME7	10 m	2,000 g



FCB-20-2.0SQ-ME7

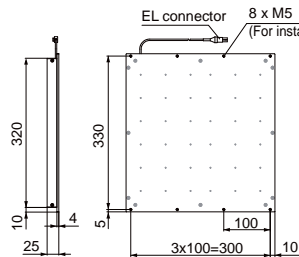
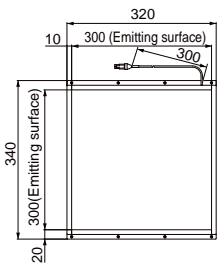
Model name	Cable length	Weight
FCB-20-2.0SQ-ME7	20 m	5,000 g



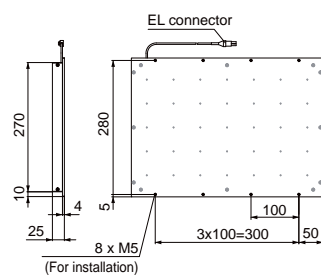
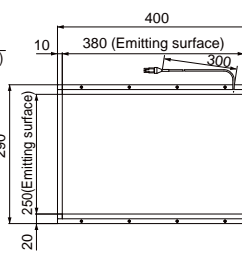
The above cable permitted bending radii are reference values. Actual values may vary.

Dimensions (mm)

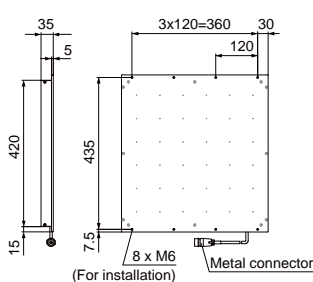
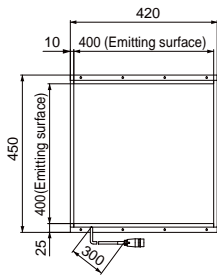
TH2-300X300RD/SW



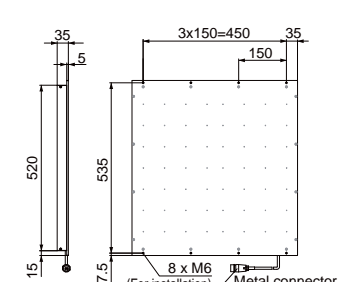
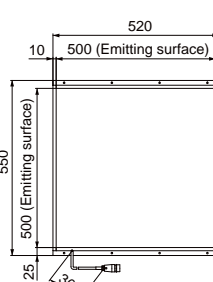
TH2-380X250RD/SW



TH2-400X400RD/SW



TH2-500X500RD/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
 - LDL2
 - LDLB
 - HLDL2
 - HL
- Direct Lighting
 - TH2 (5 types)
 - TH
 - LFL
 - HPD2
 - LDM2
 - LAV
 - PDM
 - LFX3
 - LFX3-PT
 - LFV3
- Controlled Lighting
 - MSU
 - MFU
- Strobe Lighting
 - PF
- Water-proof Lighting
 - HLDR-IP/ HSL-PCL
- Ultraviolet Lighting
 - UV2
 - UV
 - LNSP-UV-FN
- Intensity/Infrared Control Lighting
 - IR2
 - 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