

Options

LNSP2/LNSP Series Dedicated Coaxial Units CU-LNSP2/CU-LNSP Series

Achieves high output with coaxial illumination



CU-LNSP2-200-GL

CU-LNSP-200-GL

With Light Unit installed.
The Light Unit is sold separately.

Applications

Inspection of electronic parts on circuit boards, visual inspection of secondary battery separators, inspection for damage and dents on touch panels, etc.

Features

■ When imaging with V-shaped reflection: Only the LNSP2 Light Unit

Conveyor direction ↑

There is a shadow in the space between electronic parts, preventing visual inspection.

15° 15°

Circuit board

Electronic parts

Conveyor direction ←

Camera's capturing angle

Illuminating angle

In the camera's blind spot

■ When imaging with coaxial illumination: CU-LNSP2 mounted

Conveyor direction ↑

There is no shadow in the space between electronic parts, allowing for visual inspection.

CU-LNSP2

LNSP2

Circuit board

Electronic parts

Conveyor direction ←

Camera's capturing angle

Illuminating angle

Not in the camera's blind spot

Information about Custom Ordered Products

The following products can support coaxial illumination via a custom product. Inquire at your sales representative for details.

■ **LT series** ▶ P.213
Custom products with an emitting surface that is 10 mm wide are also available.

Achieve both high uniformity and high brightness through this unique optical system. It can perform highly-accurate inspections and also supports high-speed scan rates.

■ **LNSP-FN series** ▶ P.193

High output type of the LNSP series. Forced air cooling (fan cooling). Achieved a brightness of 900,000 lx (at LWD = 50 mm).

■ **LN-HK series** ▶ P.198

A cylindrical lens allows for illuminating with a convergent line of light. By changing the position of the lens unit on the tip, you can freely set the converging length or the converging width for the illuminated light.

Lineup

CU-LNSP2

Model name	Weight	Applicable Light Unit
CU-LNSP2-100-GL	250 g	LNSP2-100SW
CU-LNSP2-200-GL	350 g	LNSP2-200SW
CU-LNSP2-300-GL	450 g	LNSP2-300SW
CU-LNSP2-400-GL	550 g	LNSP2-400SW
CU-LNSP2-500-GL	650 g	LNSP2-500SW

LNSP2 series Product Page
▶ P.181

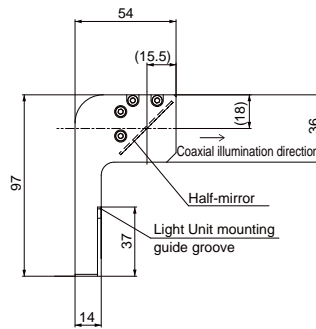
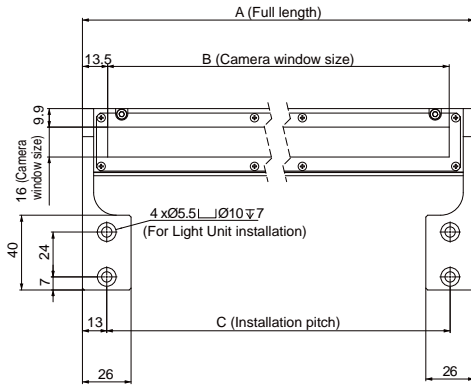
CU-LNSP

Model name	Weight	Applicable Light Unit
CU-LNSP-100-GL	250 g	LNSP-100SW
CU-LNSP-200-GL	350 g	LNSP-200SW
CU-LNSP-300-GL	450 g	LNSP-300SW
CU-LNSP-400-GL	550 g	LNSP-400SW
CU-LNSP-500-GL	650 g	LNSP-500SW

LNSP series Product Page
▶ P.187

Dimensions (mm)

CU-LNSP2-100-GL / -200-GL / -300-GL / -400-GL / -500-GL

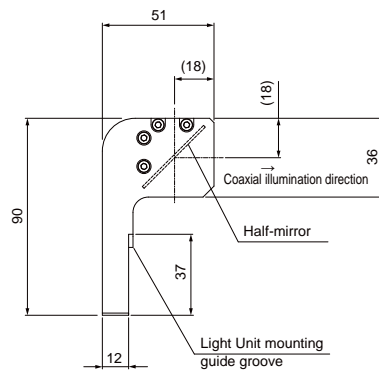
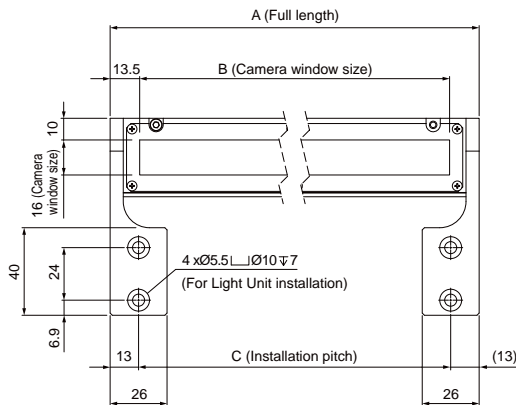


For a custom order, we can change the location where the light cable comes out of the Light Unit (LNSP2) case on which the Coaxial Unit is installed. Please contact your sales representative for details.

Four M5 screws and nuts are included for installing the Coaxial Unit on the Light Unit.

Model name	Dimension A	Dimension B	Dimension C	Model name	Dimension A	Dimension B	Dimension C
CU-LNSP2-100-GL	112	85	86	CU-LNSP2-400-GL	412	385	386
CU-LNSP2-200-GL	212	185	186	CU-LNSP2-500-GL	512	485	486
CU-LNSP2-300-GL	312	285	286				

CU-LNSP-100-GL / -200-GL / -300-GL / -400-GL / -500-GL



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- 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
- Colimated Lighting
 - MSU
 - MFU
- Strobe Lighting
 - PF
- Water-proof
 - HLDR-IP/ HSL-PCL
- Ultraviolet Lighting
 - UV2
 - UV
 - LNSP-UV-FN
- Infrared Lighting
 - IR2
- Intensity Control
 - 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
 - LNL
 - LNSP2
 - LNSP
 - Coaxial Units
 - LNSP-FN
 - LN/LN-HK
- Diffused Lighting
 - LNSD
 - LND2
 - HLND
 - LT
 - LNV
- Oblique/Angled Lighting
 - LNDG
 - LNS2
 - LNIS
 - LNIS-FN
- Lenses
 - Telecentric Lens
 - Macro Lens