SQR-TP

CU-LNSP LNSP-FN LN/LN-HK

LNSD LND2 Diffused HLND LT

LNV/HLDN LNIS LNIS-FN

Macro Lens

Line Lights LNSP series

Refer to our website for product details.

CCS LNSP ▶ Search Use a search engine



vour smartphone or cell phone

Uses original converging technology to achieve illumination with reduced diffusion



Applications

Inspection for parts mounted on circuit boards, inspection for scratches on clear film, inspecting alignment for label seals, visual inspection of cans, and inspection for unevenness in sheet metal, etc.

Illuminance of 400,000 lx with a natural air cooling type

Achieving both high output and compact space

Achieved a more compact design compared to LED Lights for general high output line sensors.

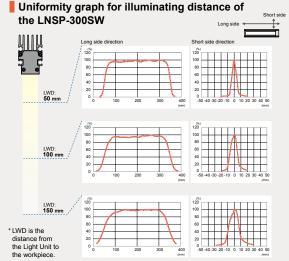


Saving space for your inspection environment



Unique illuminating mechanism with little light diffusion

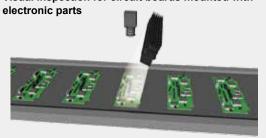
By controlling light diffusion through the unique illuminating mechanism, there is little change in the brightness due to distance, so you can flexibly set the distance between the workpiece and the Light Unit. Uses constant-voltage control.



*The graph included is for reference only and does not guarantee the quality of this product

Applications

Visual inspection for circuit boards mounted with electronic parts



Example configuration

Achieves high output LNSP series illumination with Camera controlled diffusion due to this unique LED illuminating mechanism. Because light does not easily diffuse, there is Rod lens little loss for the amount of light, allowing for Workpiece illumination over long distances.



3D CAD

Product Fliers

http://www.ccs-grp.com/dl/

LDR2 LDR2-LA

LDR-LA1 SQR SQR-TP

Diphing HLDR-IP

HPR2

HPR

LFR Diffused

LKR

FPR

FPQ2

LDL2

Pirect Lighting TDTB HLDL2

TH

LFL

HPD2

HPD LDM2 LAV

PDM LFX2

LEV3

LFV2 Collimated Lighting MEN

HLV2

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LSP E C

HFS/HFR

HLV2-NR

PFB2

PFBR

CU-LNSP

LNSP-FN LN/LN-HK

LNSD

LND2 Diffused Lighting HTND

LNV/HLDN LNIS LNIS LNIS-FN

HLV2-3M-RGB-3W

Ultraviolet Lighting UV2 UV LNSP-UV-FN

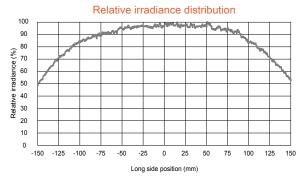
Infrared Lighting IR2

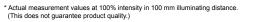
Lighting

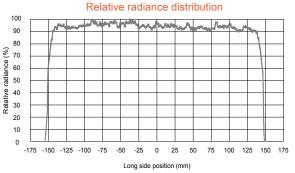
▶ P.241

Data (Representative example) *The graph included is for reference only and does not guarantee the quality of this product.

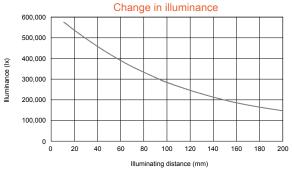
ILNSP-300SW



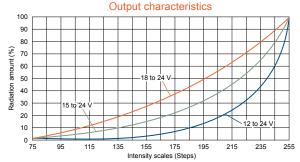




^{*} The graph included is for reference only and does not guarantee the quality of this product.



Actual measurement values at 100% intensity in each illuminating distance (This does not guarantee product quality.)



- *Actual measurement values using the Analog Control Unit PSB3-30024 (This does not guarantee product quality.)
- Measured in each voltage range because the Analog Control Unit PSB3-30024 has a switching function for the lower limit of the output voltage

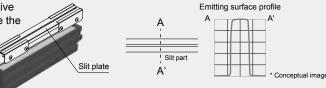
Custom orders

Please contact your CCS sales representative.

Example 1: Slit specifications (Install a slit plate on the emitting surface)

Result: Uses the edge of the emitting surface, effective for inspections for dents and fish eyes where the change in the surface shape is slight.

Install the slit plate

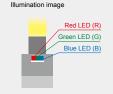


Sharpens the line between light and dark for the Light Unit, allowing for inspection using the emitting surface's edge

Example 2: Full color (RGB) specifications

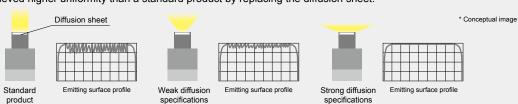
Result: Because each emitted color (red, green, blue) can be controlled separately, this is effective for sheet inspections of different models on the same line.





Example 3: High uniformity specifications

Result: Achieved higher uniformity than a standard product by replacing the diffusion sheet.



You can inquire using our website.

Requests for Loan

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

LDR2

Lighting, HFS/HFR HLV2-NR HLV2-3M-RGB-3W PFB2

CU-LNSP LNSP-FN

PFBR

LN/LN-HK LNSD LND2 Diffused HLND

LT LNV/HLDN LNIS

LNIS Page L

Telecentric Lens Macro Lens





Refer to our website for product details. **CCS LNSP**

Use a search engine.

Data Sheets

your smartphone or cell phone.

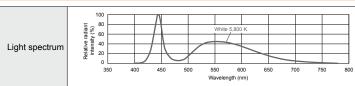
▶ Search

Lineup

	Model name	LED color	Power consumption	Correlated color temperature	Extension cables	Recommended Control Units	Weight		
Standard products	LNSP-100SW	White	24 V / 21 W	5,800 K	2 m (FCB-2-1.25SQ-ME7)		430 g		
	LNSP-200SW		24 V / 41 W				760 g		
	LNSP-300SW		24 V / 61 W		3 m		1,090 g		
	LNSP-400SW		24 V / 81 W		(FCB-3-1.25SQ-ME7)		1,420 g		
	LNSP-500SW		24 V / 101 W		5 m	,	1,740 g		
	LNSP-600SW		24 V / 121 W		(FCB-5-1.25SQ-ME7)		2,070 g		
	LNSP-700SW		24 V / 142 W		10 m (FCB-10-1.25SQ-ME7) 20 m (FCB-20-2.0SQ-ME7)		2,400 g		
	LNSP-800SW		24 V / 162 W				2,730 g		
	LNSP-900SW		24 V / 182 W				3,050 g		
	LNSP-1000SW		24 V / 202 W				3,380 g		
	LNSP-1100SW		24 V / 222 W	5,800 K	2 m/3 m/5 m/10 m/20 m Extension cable x1		3,700 g		
	LNSP-1200SW		24 V / 242 W			PSB3-30024 x 1	4,000 g		
	LNSP-1300SW		24 V / 263 W				4,300 g		
	LNSP-1400SW	White	24 V / 283 W				4,600 g		
	LNSP-1500SW		24 V / 299 W				4,900 g		
	LNSP-1600SW		24 V / 324 W		2 m (FCB-2-1.25SQ-ME7) 3 m (FCB-3-1.25SQ-ME7) 5 m (FCB-5-1.25SQ-ME7)	PSB3-30024 x 2	5,300 g		
	LNSP-1700SW		24 V / 344 W				5,700 g		
	LNSP-1800SW		24 V / 364 W				6,100 g		
ers	LNSP-1900SW		24 V / 384 W				6,500 g		
ord	LNSP-2000SW		24 V / 404 W				6,900 g		
Special orders	LNSP-2100SW		24 V / 424 W				7,300 g		
Spe	LNSP-2200SW		24 V / 444 W				7,700 g		
	LNSP-2300SW		24 V / 464 W				8,100 g		
	LNSP-2400SW		24 V / 484 W				8,500 g		
	LNSP-2500SW		24 V / 505 W		10 m (FCB-10-1.25SQ-ME7)		8,900 g		
	LNSP-2600SW		24 V / 526 W		20 m (FCB-20-2.0SQ-ME7)		9,300 g		
	LNSP-2700SW		24 V / 541 W				9,700 g		
	LNSP-2800SW		24 V / 562 W		Extension cable x2		10,100 g		
	LNSP-2900SW		24 V / 582 W				10,500 g		
	LNSP-3000SW		24 V / 598 W				10,900 g		
	PSB3-30024 Product Page ▶ P.213								

The emitting surface is available in sizes of 100 mm units. For details about other sizes, inquire with your CCS sales representative. In addition, we accept custom orders, such as changes to the LED color (red/blue/IR, etc.) and size changes. Inquire at your CCS sales representative for details.

LED properties



Be sure to read the "Instruction Guide" included with the product before use and observe cautionary information. The data included is for reference only and does not guarantee the quality of this product.

Options



Model name	Applicable Light Unit		
CU-LNSP-100-GL	LNSP-100SW		
CU-LNSP-200-GL	LNSP-200SW		
CU-LNSP-300-GL	LNSP-300SW		
CU-LNSP-400-GL	LNSP-400SW		
CU-LNSP-500-GL	LNSP-500SW		

CU-LNSP Product Page ▶ P.133

Allows for imaging with illumination on the same axis as the camera

Coaxial Unit

LDR-LA1

HPR Lighting LFR Diffused LKR FPR

LDL2 FDLB Hing At Lighting HLDL2 TH

FPQ2

HPD2 HPD LDM2 LAV PDM

LFL

LFX2 LFV3 LFV2

Collimated Lighting MEN

Ultraviolet Lighting ASM ASM TANGET LNSP-UV-FN

Infrared Lighting

HLV2 LV LSP HFS/HFR HLV2-NR

HLV2-3M-RGB-3W PFB2 PFBR

CU-LNSP LNSP-FN LN/LN-HK LNSD

Diffused Lighting HIND

LNV/HLDN

LNIS LNIS LNIS-FN

Macro Lens

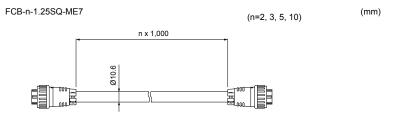
Line Light

List ▶ P.127

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	20 m	5,000 g	

Extension cables

Necessary when connecting the Light Unit to the recommended Control Unit, the PSB3-30024.



Technical Guide

(Line Sensor)

► P.235

Cable permitted bending radius: 63.6 mm

Regulations, Etc.

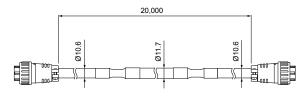
► P.241

FCB-20-2.0SQ-ME7

Line Light Custom

Product Page

► P.160



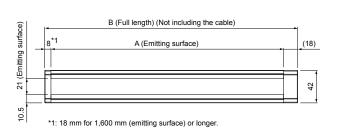
PSB3-30024

Control Unit Product Page

► P.213

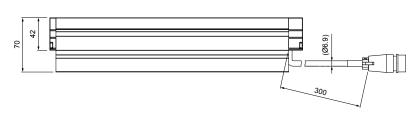
Cable permitted bending radius: 63.6 mm

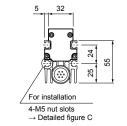
Dimensions (mm)





Detailed figure C





- * For sizes 1,600 mm (emitting surface) or longer, a cable comes out of each end of the Light Unit.
- * For sizes 1,100 mm (emitting surface) or longer, the cable radius is thick (Ø9.7).

	Model name	A (Emitting surface)	B (Full length)		Model name	A (Emitting surface)	B (Full length)
Standard products	LNSP-100SW	100	126	Special orders	LNSP-1600SW	1,600	1,636
	LNSP-200SW	200	226		LNSP-1700SW	1,700	1,736
	LNSP-300SW	300	326		LNSP-1800SW	1,800	1,836
	LNSP-400SW	400	426		LNSP-1900SW	1,900	1,936
	LNSP-500SW	500	526		LNSP-2000SW	2,000	2,036
	LNSP-600SW	600	626		LNSP-2100SW	2,100	2,136
	LNSP-700SW	700	726		LNSP-2200SW	2,200	2,236
	LNSP-800SW	800	826		LNSP-2300SW	2,300	2,336
	LNSP-900SW	900	926		LNSP-2400SW	2,400	2,436
	LNSP-1000SW	1,000	1,026		LNSP-2500SW	2,500	2,536
Special orders	LNSP-1100SW	1,100	1,126		LNSP-2600SW	2,600	2,636
	LNSP-1200SW	1,200	1,226		LNSP-2700SW	2,700	2,736
	LNSP-1300SW	1,300	1,326		LNSP-2800SW	2,800	2,836
	LNSP-1400SW	1,400	1,426		LNSP-2900SW	2,900	2,936
	LNSP-1500SW	1,500	1,526		LNSP-3000SW	3,000	3,036