

Light Units for Line Sensors LNLP Series

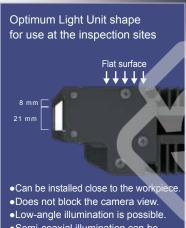


(Natural Air-cooling Type)

An Illuminance of One Million Ix Without Using Cooling Fans

At the illuminating distance of 50 mm (Light Unit used: LNLP-400SW).

Fan-less design which is suitable for use in clean rooms



•Semi-coaxial illumination can be performed with illumination from a high angle.

Inspection Applications

- 1) Scratches on plate glass
- 2) Scratches and dents on sheet metal
- 3) Scratches and foreign substances on transparent film
- 4) Printing on paper
- 5) Appearance of plastic components

CCS Inc.

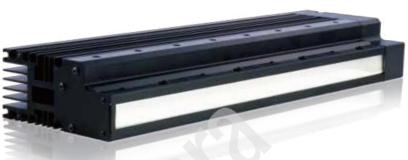
One million (1,000,000) Ix Fan-less

* At the illuminating distance of 50 mm (Light Unit used: LNLP-400SW).

Light Units for Line Sensors

Fan-less (Natural Air-cooling Type)	High-illuminance
LED color	White
Emitting surface length	100 to 1,000 mm (100-mm pitch)

CCS accepts custom orders for the Light Units whose length is more than 1,000 mm Please contact your CCS sales representative for details



LNLP Series

1,000,000 Ix or more in illuminance nt Unit used: LNLP-400SW)



At the illuminating distance of 50 mm

This is a comparison using CCS products

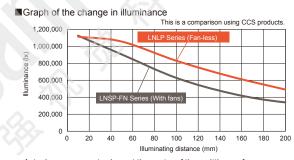


Fan-less



Line Lights from CCS

The LNLP Series is brighter than the fan-type unit, despite being fan-less. (Natural Air-cooling Type)



Actual measurement values at the center of the emitting surface, 100% intensity (Results for individual products may vary.

h-uniformit C

Uniformity graph (Distribution of relative radiance) Light Unit used: LNLP-400SW Short side Long sid 80 (%) 80 Relative radiance (%) 70 70 60 60 50 40 50 30 o o o 20 10 100 150 -3.5 0 3.5 -150 -100 -50 0 50 200 -10.5 10.5 Position (mm) Position (mm) These graphs are for reference only. Actual values may vary

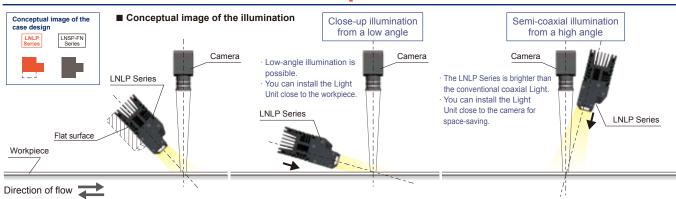


Less variation in illuminance enables high uniformity in imaging.

Nice for use at the site of inspection

Well-designed Light Unit shape.

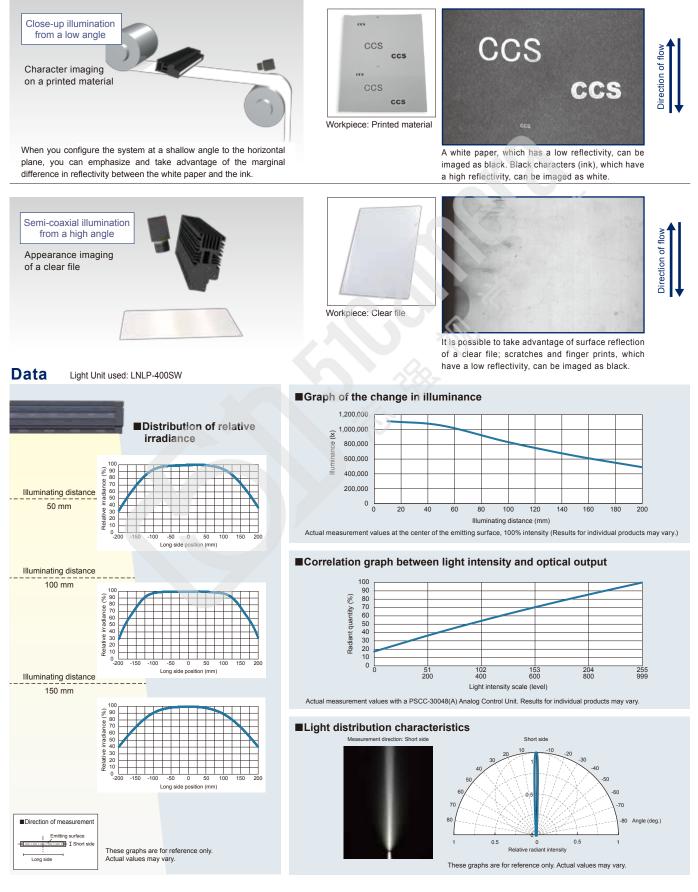
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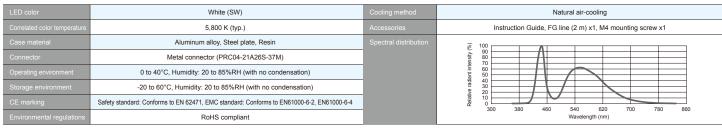
The above illustrations are of typical installation examples. Consider the application environment for actual applications.

High-illuminance Line Lights

Imaging Examples



Specifications

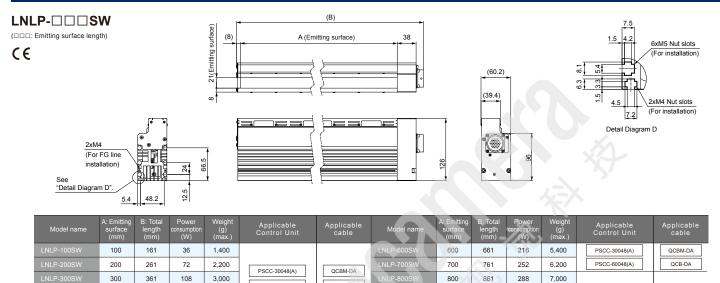


The data above is for reference only. Results for individual products may vary.

PSCC-60048(A)

OCB-DA

Dimensions (mm)



QCB-DA

PSCC-60048(A)

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0	101	 -	10	-

400

500

461

561

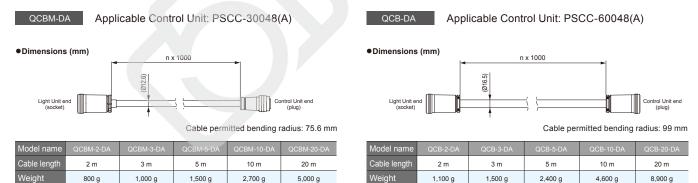
144

180

3,800

4.600

Light Unit cables These cables are used to connect the Light Unit and the Control Unit. You can choose the cable length that is suitable for your installation site. These cable permitted bending radii are reference values. Actual values may vary



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CAUTION

• To ensure proper and safe use of the product, please read the Instruction Guide completely before using the product. • The design and specifications of this product are subject to change without notification for product improvement. • The workpiece imaging examples included in this pamphlet are intended to serve only as references to help you select a suitable Light Unit. Please verify the functionality and conditions required for your particular application before you make a final selection. The sample workpieces used in this pamphlet have been processed specifically for sample imaging. They are not intended to represent product quality and performance

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7,800

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