



# Line Lights

## LNSPseries

### High-output Line Light Unit with Reduced Diffusion

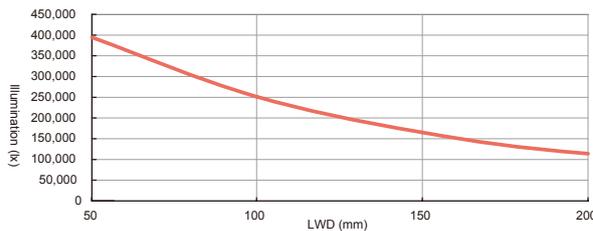
Less diffusion means less loss of light quantity for long distance irradiation.



#### High Output of 400,000 lx

High-output LED Light Units for line sensors with natural air cooling.

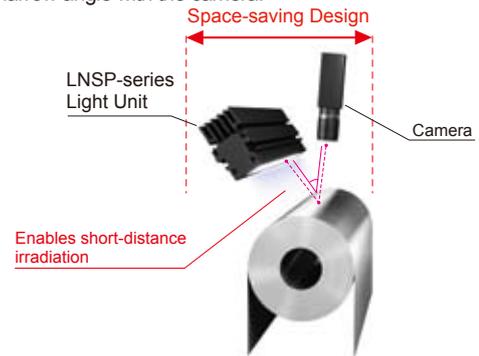
Illuminance Graph



\* Measured value at 100% light intensity and an LWD of 50 mm. Results for individual Units may vary.

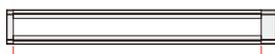
#### Compact for Short-distance Irradiation

The compact design of the Light Unit allows for installation at a narrow angle with the camera.

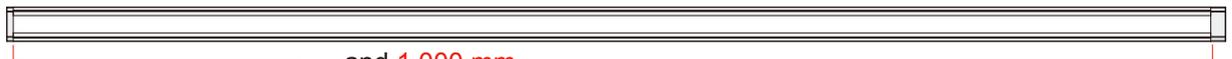


#### Order any Emitting Surface Length between 100 and 1,000 mm

You can specify the length of the emitting surface you want in increments of 100 mm. Select from sizes of 100 mm to 1,000 mm to meet your specific needs for a wide variety of applications.



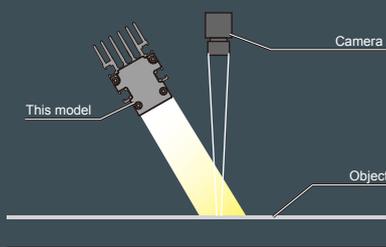
You can specify lengths in 100-mm increments between **100 mm...**



**...and 1,000 mm.**

#### Illumination structure of LNSP series

These high-output line Light Units feature reduced light diffusion. Less diffusion means less loss of light for long-distance irradiation.



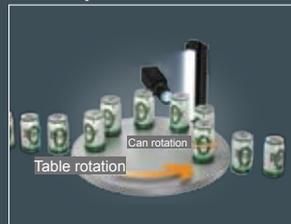
#### Examples of Line Light Images

Liquid Crystal Glass, Batteries, Can Manufacturing, and More

Inspecting liquid crystal glass for imperfections



Visual inspection of cans



Inspecting metal sheets for imperfections

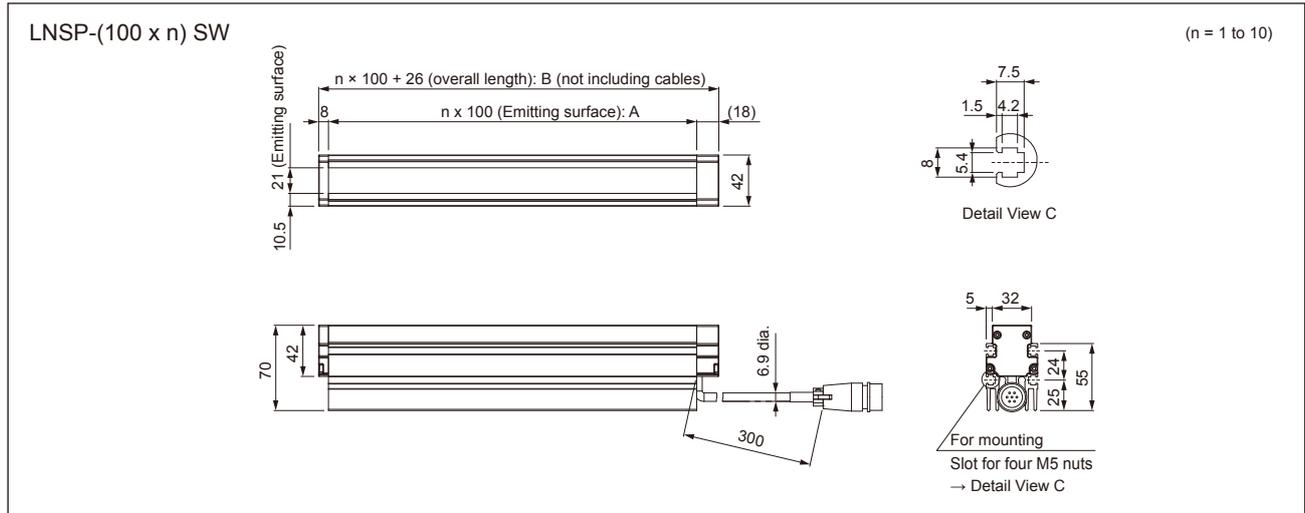


## specifications

Direct Number : You can easily access the web page providing information on any desired product by simply entering the 7-digit direct number in the space provided. (Refer to the back cover of this brochure.)

Model	LNSP-□□□SW "□□□" is the length of emitting surface. Available in 100 mm increments up to 1,000 mm.
Direct number	1500
Input voltage	24V DC
LED color	White
Correlated color temperature	5,800 K
Connector	SRCN1A16-7P Metal Connector (manufactured by Japan Aviation Electronics Industry, Limited)
Polarity and signals	1,2,3:(+) 4,5,6:(-) 7:NC
Cooling method	Natural air cooling
Operating environment (indoors only)	Temperature: 0 to 40°C, Humidity: 20% to 85%RH (with no condensation)
Storage environment	Temperature: -20 to 60°C, Humidity: 20% to 85%RH (with no condensation)
Case material	Emitting surface: Acrylic, Base: Aluminum alloy, Side plates: PC
Compatible Control Unit	PSB3-30024 Refer to page 79 for details.

## Dimension Diagrams (Unit: mm)



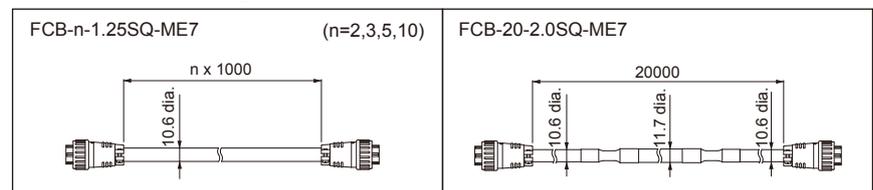
## Specifications/Dimensions by Total Illumination Length

Model	Power consumption (W)	Weight (g)	Dimensions (See Dimension Diagrams.)		
			n	A: Emitting surface (mm)	B: Overall length (mm) (not including cables)
LNSP-100SW	21	430	1	100	126
LNSP-200SW	41	760	2	200	226
LNSP-300SW	61	1,090	3	300	326
LNSP-400SW	81	1,420	4	400	426
LNSP-500SW	101	1,740	5	500	526
LNSP-600SW	121	2,070	6	600	626
LNSP-700SW	142	2,400	7	700	726
LNSP-800SW	162	2,730	8	800	826
LNSP-900SW	182	3,050	9	900	926
LNSP-1000SW	202	3,380	10	1,000	1,026

## LNSP extension cable

- FCB-2-1.25SQ-ME7 •••• 2-m Cable
- FCB-3-1.25SQ-ME7 •••• 3-m Cable
- FCB-5-1.25SQ-ME7 •••• 5-m Cable
- FCB-10-1.25SQ-ME7 •••• 10-m Cable
- FCB-20-2.0SQ-ME7 •••• 20-m Cable

## Dimension Diagrams of LNSP extension cable (Unit: mm)



\* The Light Unit must be connected to a PSB3-30024 Control Unit.

Refer to page 79 for Compatible Control Unit.