

Oblique Angled Lights for Line Sensor

LNIS2 Series

Renewed version of the LNIS Series.

Expand into wider applications with increased brightness.

Brightness up to 5x That of Conventional Products

Current as of CCS's in-house measurement conditions in May 2017. The data included is for reference only. Actual values may vary
The illuminance distribution, recommended illumination range and spectral distribution are the same as those of the
conventional LNIS Series.



Designed for detecting "moving-direction scratches," which were difficult to detect

Fan-less (natural air-cooling) and compact case design

Emitting surface up to 1,000 mm in 100 mm units

Applications

Streak inspection on sheet surface; scratch inspection on clear film, glass panels, and sheet metal; etc.





- Best for Finding Moving-Direction Scratches Such as Streaks
- Imaging of vertical scratches (moving-direction scratches) on film





Imaging conditions: Intensity 100%

Emphasizes only the vertical scratch. Even if you increase the output, the background noise and brightness do not increase.

Product Lineup

Model name	Emitting surface	Power consumption (max.)	Extension cable	Recommended Control Unit	Weight (max.)
LNIS2-100SW	100 mm	18 W	FCB-EL2 (EL connector)	Analog Control Unit PSB3-30024 or Digital Control Unit PD3-10024-8	400 g
LNIS2-200SW	200 mm	35 W			700 g
LNIS2-300SW	300 mm	52 W			1,000 g
LNIS2-400SW	400 mm	69 W			1,300 g
LNIS2-500SW	500 mm	86 W			1,600 g
LNIS2-600SW	600 mm	103 W	FCB-ME7 (Metal connector)	Analog Control Unit PSB3-30024	1,900 g
LNIS2-700SW	700 mm	120 W			2,200 g
LNIS2-800SW	800 mm	138 W			2,500 g
LNIS2-900SW	900 mm	155 W			2,800 g
LNIS2-1000SW	1,000 mm	172 W			3,100 g

For detailed information on the Control Units. refer to CCS website or General Catalog of LED Lighting for Machine Vision Applications.

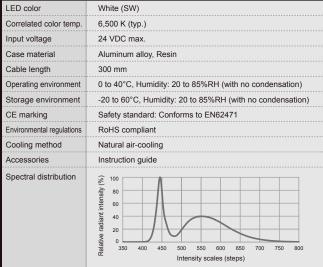


Digital Control Unit PD3-10024-8



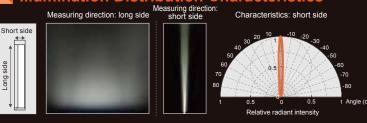
Custom products with a PWM frequency of 500 kHz are available for the Digital Control Unit PD3 series

Specifications

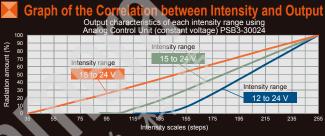


The data included is for reference only. Actual values may vary.

Illumination Distribution Characteristics



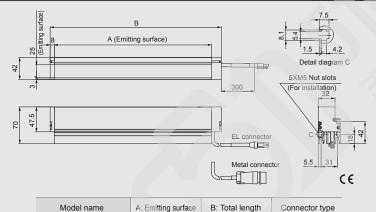
Actual measurement values when the LNIS2-400SW Light Unit is used. Results for individual products may vary.



alog Control Unit PSB3-30024 is used. Results for individual products may vary

Dimensions (mm)

LNIS2-□□□SW

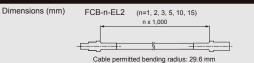


Model name	A: Emitting surface	B: Total length	Connector type	
LNIS2-100SW	100 mm	126 mm		
LNIS2-200SW	200 mm	226 mm		
LNIS2-300SW	300 mm	326 mm	EL connector	
LNIS2-400SW	400 mm	426 mm		
LNIS2-500SW	500 mm	526 mm		
LNIS2-600SW	600 mm	626 mm		
LNIS2-700SW	700 mm	726 mm	Metal	
LNIS2-800SW	800 mm	826 mm		
LNIS2-900SW	900 mm	926 mm	connector	
LNIS2-1000SW	1,000 mm	1,026 mm		

es (Sold Separately)

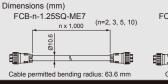
FCB-EL2

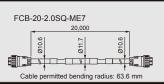
FCB-1-EL2 1 m 85 g FCB-2-EL2 2 m 165 g Analog Control PSB3-300. FCB-3-EL2 3 m 245 g or	1.11-24	
FCB-3-EL2 2 III 105 9 PSB3-3000		
FCB-3-EL2 3 m 245 a		
FCB-5-EL2 5 m 405 g Digital Contro	l Unit	
= 0 10 = 10	PD3-10024-8	
FCB-15-EL2 15 m 1,205 g		



FCB-ME7

Model name	Cable length	Weight	Recommended Control Unit	
FCB-2-1.25SQ-ME7	2 m	430 g		
FCB-3-1.25SQ-ME7	3 m	580 g	Analog Control Unit PSB3-30024	
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		





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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.

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