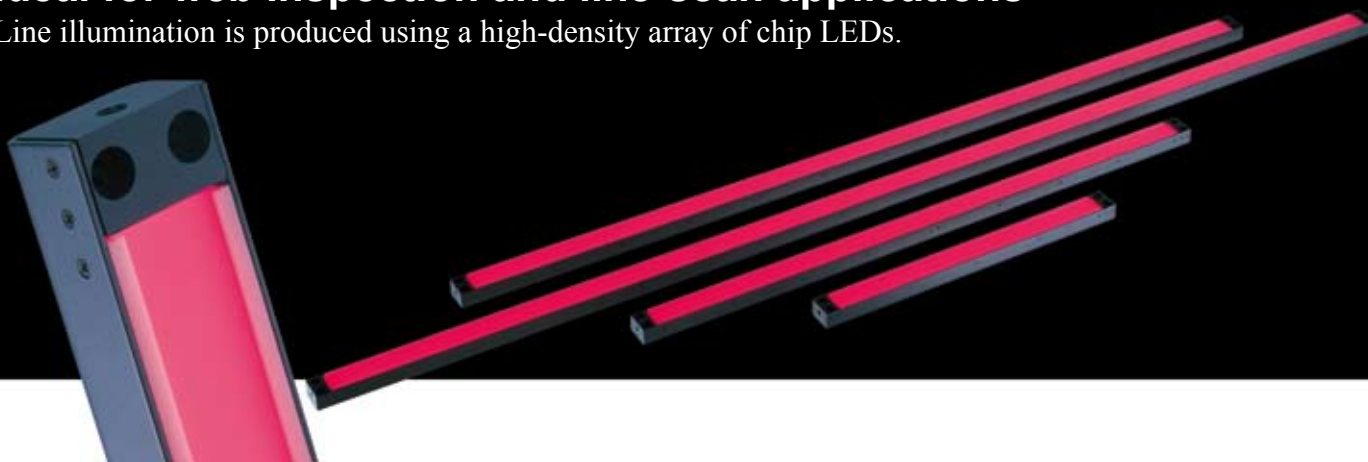


# Line Lights

## LND Series

### Ideal for web inspection and line-scan applications

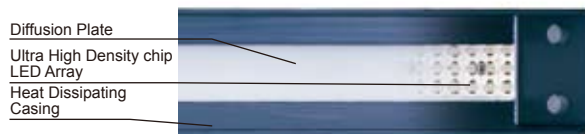
Line illumination is produced using a high-density array of chip LEDs.



#### H Series with Light-emitting Width of 12 mm

The LND-H Series features a 12-mm wide light-emitting surface. Chip LEDs are arranged at high density. It has a narrower light-emitting width than the A Series, making it effective for illuminating specific areas.

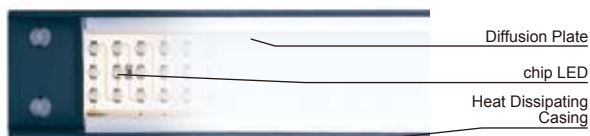
##### Internal Structure of an LND-H Light



#### A Series with Light-emitting Width of 18 mm

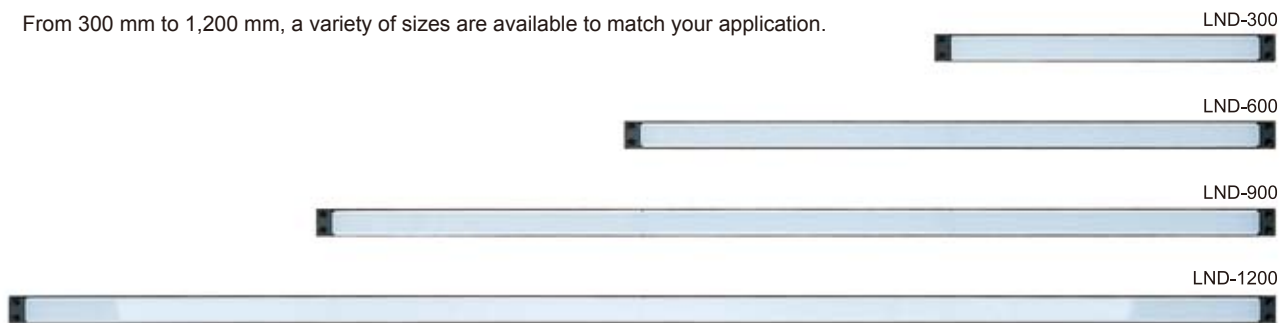
The LND-A Series features an 18-mm wide light-emitting surface, making it useful for overall illumination with diffused light.

##### Internal Structure of an LND-A Light



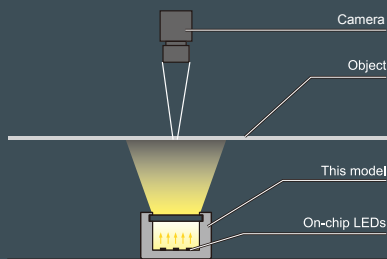
#### A variety of sizes are available

From 300 mm to 1,200 mm, a variety of sizes are available to match your application.



#### Illumination Structure of LND-A

Light from the linear mounted on-chip LEDs passes through a diffusion plate to produce a long band of even illumination.



#### Examples of Line Light Images

##### Print Inspection

Printed material, 1,150mm in length, is evenly illuminated along its entire length with a 1,200mm line light.

Light used: LND-1200A-DF



##### Defect Inspection

A line light is used to illuminate defects in wrapping, creating excellent contrast.

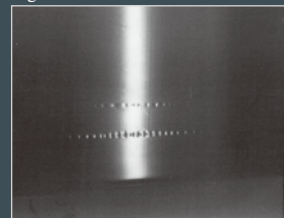
Light used: LND-300H-SW-DF



##### Web Defect Inspection

This shows how line illumination from above makes indentations clearly visible.

Light used: LND-300A-DF



Direct Number : A direct number is a 7-digit number assigned to a CCS product. You can easily access the web page providing information on any desired product by simply entering the direct number in the space provided on the CCS website pages for machine vision. (Refer to the back cover of this brochure.)

## Product Lineup Table

Series	Direct Number	Model Name	Color	Power Consumption	Option	Dimension
LND-A	1002161	LND-300A-DF	●	24V / 7.2W	—	1
	1002164	LND-300A-SW-DF	○	24V / 10W		
	1002160	LND-300A-BL-DF	●			
	1002163	LND-300A-GR-DF	●			
	1002189	LND-600A-DF	●	24V / 14W	—	2
	1002192	LND-600A-SW-DF	○	24V / 22W		
	1003388	LND-600A-GR-DF	●			
	1002212	LND-900A-DF	●	24V / 22W	—	3
	1002214	LND-900A-SW-DF	○	24V / 30W		
	1002211	LND-900A-BL-DF	●			
	1002213	LND-900A-GR-DF	●			
	1002135	LND-1200A-DF	●	24V / 28W	—	4
	1002138	LND-1200A-SW-DF	○	24V / 40W		
	1002592	LND-1200A-BL-DF	●			
	1002136	LND-1200A-GR-DF	●			

Series	Direct Number	Model Name	Color	Power Consumption	Option	Dimension
LND-H	1002167	LND-300H-DF	●	24V / 7.2W	—	5
	1002171	LND-300H-SW-DF	○	24V / 13W		
	1002166	LND-300H-BL-DF	●			
	1002170	LND-300H-GR-DF	●			
	1002194	LND-600H-DF	●	24V / 14W	—	6
	1002198	LND-600H-SW-DF	○	24V / 27W		
	1002193	LND-600H-BL-DF	●			
	1002197	LND-600H-GR-DF	●			
	1002215	LND-900H-DF	●	24V / 22W	—	7
	1002219	LND-900H-SW-DF	○	24V / 40W		
	1002670	LND-900H-BL-DF	●			
	1002217	LND-900H-GR-DF	●			
	1002139	LND-1200H-DF	●	24V / 29W	—	8

\* LND-series Red Lights cannot be used with a CCS Strobe Control Unit (such as the PTU2 Series). The Lights can be turned ON and OFF with a normal Control Unit.

\* When the light-level is high and the light is left continually on, we recommend air-cooling the device by blowing air through the M5 hole.

## Dimension Diagrams (Unit: mm)

