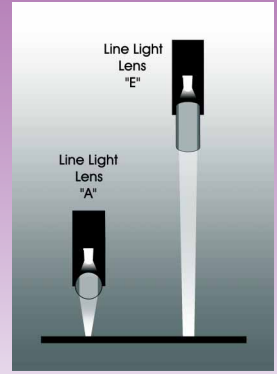# LL2912 *Line Light*

- Ideally suited for use with line-scan cameras.

- 75mm of very intense illumination.

- Available in a range of working distances and line widths. See table below.
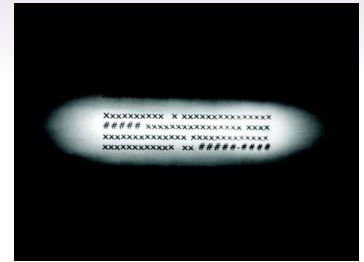
LL2912E-WHI (shown)

	Lens Type A	Lens Type B	Lens Type D	Lens Type E
Working Distance	25mm (1")	50mm (2")	75mm (3")	125mm (4")
Line Width	6mm (.24")	9.5mm (.37")	13mm (.51")	16mm (.62")

Light Function Diagram

Line Light Lens "E"

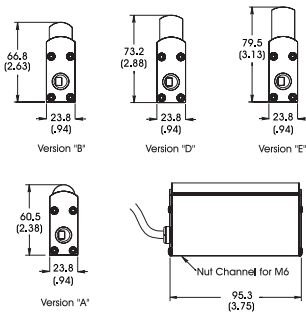Line Light Lens "A"

Label inspection

Although line lights are generally used with line scan cameras, they can also be used with standard vision systems. In this inspection, the object was to check print quality and detect missing labels. Increasing the working distance from the sample in order to generate a wider line, our LL2912E provides a window of light the right size to inspect address labels.

Acquired Solution Image

66.8 (2.63)   73.2 (2.88)   79.5 (3.13)
23.8 (.94)
Version "B"   Version "D"   Version "E"

60.5 (2.38)
23.8 (.94)
Version "A"   Nut Channel for M6   95.3 (3.75)

DIMENSIONS ARE IN MILLIMETERS (INCHES)

Standard Product Maximum illumination

	Working Distance	Watts/cm^2	Lux
Constant Current (Lens A)	25mm	7 mw	17,000
Strobed (100μs) (Lens A)	25mm	140 mw	340,000

Standard Variation Current Specifications

	(blue)	(green)	(yellow)	(orange)	(red)	(infra-red)	(white)	(RGB)	
@ 12v	N/A	N/A	60	60	90	60	N/A	N/A	mA
@ 24v	40	40	40	40	30	30	40	N/A	mA

General Specifications

Light distribution	+/- 10%
Operating temperature	0 to 65°C
Standard product lifetime	100,000 hrs
Product weight	290.3 g 10.2 oz

Part Number Designation

Standard Product *SHIPPED NEXT DAY*

Part Number: **LL2912A-WHI** (Configured for use with Ai Power Supply)

Standard Product Variation *SHIPPED WITHIN TWO WEEKS*

Spectral wavelength

Lens Type — Optional power Compatibility

LL2912 **X** - **XXX** **XX**

Lens Type		Spectral wavelength	Optional power
A E	(blue)	470 †	12
	(green)	520 †	24
	(yellow)	590	
	(orange)	625	
	(red)	660	
	(infra-red)	880	
	(white)	WHI †	
	(all color)	RGB †	

60.5 (2.38)   79.5 (3.13)
23.8 (.94)   23.8 (.94)
A   E

Custom Product *SHIPPED WITHIN SIX WEEKS*

Spectral wavelength

Lens Type — Optional power Compatibility

LL2912 -

Lens Type		Spectral wavelength	Optional power
B D	(blue)	470 †	12
	(green)	520 †	24
	(yellow)	590	
	(orange)	625	
	(red)	660	
	(infra-red)	880	
	(white)	WHI †	
	(all color)	RGB †	

66.8 (2.63)   73.2 (2.88)
23.8 (.94)   23.8 (.94)
B   D

† Not available in 12v

Have a question?
Call us @ 802.767.3830 or FAX @ 802.767.3831