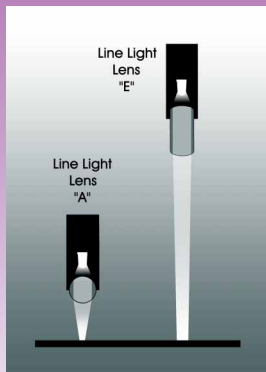




# LL3024 Line Light



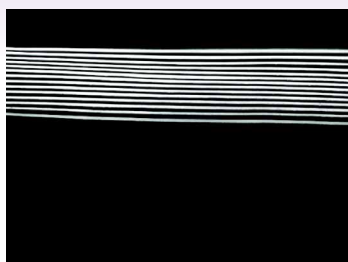
Light Function Diagram

- Ideally suited for use with line-scan cameras.
- 150mm of very intense illumination.
- Available in a range of working distances and line widths. See table below.

	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")



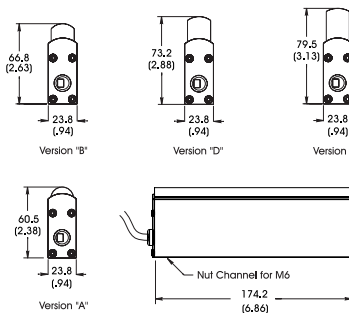
LL3024E-WHI (shown)



Acquired Solution Image

## Envelope count inspection

By setting vision tools to detect significant contrast, this application uses the LL3024A to count envelopes in bundles. The light is placed at a slight angle to the perpendicular of the bundle, creating shadows between the ends of the envelopes, which are seen as bright white lines.



DIMENSIONS ARE IN MILLIMETERS (INCHES)

## General Specifications

Light distribution	+/- 10%
Operating temperature	0-65°C
Standard product lifetime*	5,000 hrs
Product weight	414.6 g 14.6 oz

\*Red LED (660nm) option = 100,000 hrs

## Standard Product

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

## Standard Variation

Current Specifications	(blue)	(green)	(yellow)	(orange)	(red)	(infra-red)	(white)	(RGB)
@ 12v	N/A	N/A	80	80	120	120	N/A	N/A
@ 24v	80	80	40	40	60	60	80	N/A

## Part Number Designation

Standard Product **SHIPPED NEXT DAY**

Part Number: LL3024A-WHI (Configured for use with Ai Power Supply)

Standard Product Variation **SHIPPED WITHIN TWO WEEKS**

Custom Product **SHIPPED WITHIN SIX WEEKS**

LL3024	Lens Type	Spectral wavelength	Optional power Compatibility
	X	-	XXX XX
	A	(blue) 470 †	12
	E	(green) 520 †	24
		(yellow) 590	
		(orange) 625	
		(red) 660	
		(infra-red) 880	
		(white) WHI †	
		(all color) RGB †	

LL3024	Lens Type	Spectral wavelength	Optional power Compatibility
	X	-	XXX XX
	B	(blue) 470 †	12
	D	(green) 520 †	24
		(yellow) 590	
		(orange) 625	
		(red) 660	
		(infra-red) 880	
		(white) WHI †	
		(all color) RGB †	

† Not available in 12v