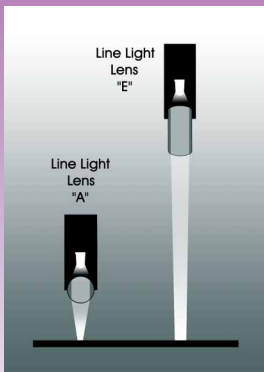




LL3024 Line Light



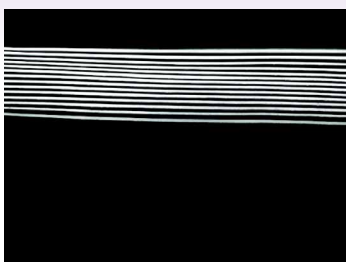
Light Function Diagram

- 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")



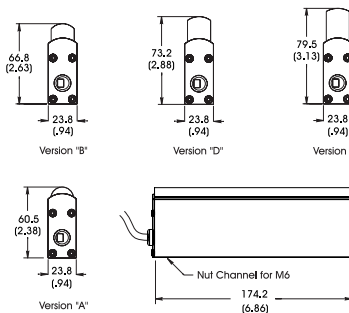
LL3024E-WHI (shown)



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	100,000 hrs
Product weight	414.6 g 14.6 oz

Standard Product

Maximum illumination	Working Distance	Watts/cm ²	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	LL3024	Lens Type	Spectral wavelength	Optional power Compatibility
	X	-	XXX XX		X	-	XXX XX
	A	(blue) 470 †	12		B	(blue) 470 †	12
	E	(green) 520 †	24		D	(green) 520 †	24
		(yellow) 590				(yellow) 590	
		(orange) 625				(orange) 625	
		(red) 660				(red) 660	
		(infra-red) 880				(infra-red) 880	
		(white) WHI †				(white) WHI †	
		(all color) RGB †				(all color) RGB †	

† Not available in 12v