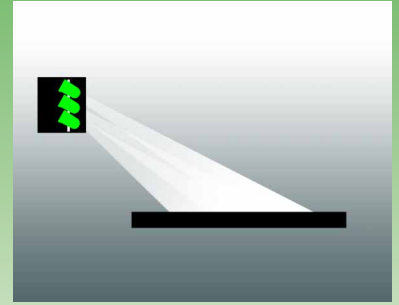


AL4424 Broad Area Linear Array

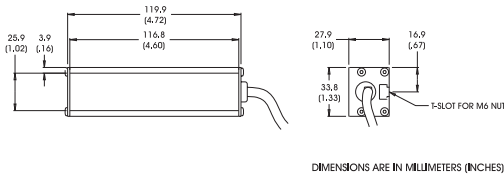


AL4424-660
(shown)

- Provides very even illumination along the 100mm length of the light, with controlled “fall off” in the transverse direction.
- Designed to provide low angle of incidence illumination over a long, wide area.
- Applications requiring very even illumination over a wider area can utilize two BALAs aligned parallel to and facing each other.



Light Function Diagram



CD Bar Code Solution:

Light reflects off the cellophane wrapped CD case, creating an unpredictable variable, especially when the cellophane is loose. A single AL4424, placed at an angle, eliminates the glare, making it appear that there is no wrapping on the case. The success of this inspection allowed other label placement inspections to be performed at the same station.



Acquired Solution Image

Standard Product Maximum Illumination

	Working Distance	Watts/cm ²	Lux
Constant Current	25mm	4.1 mw	2,500
Strobed (100µs)	25mm	82 mw	50,000

General Specifications

Light distribution	+/- 10%
Operating temperature	0 to 65°C
Standard product lifetime	100,000 hrs
Product weight	300.0 g 9.0 oz

Standard Variation Current Specifications

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

Part Number Designation

Standard Product ***SHIPPED NEXT DAY***

Part Number: AL4424-660 (Configured for use with Ai Power Supply)

Standard Product Variation ***SHIPPED WITHIN TWO WEEKS***

AL4424	-	Spectral wavelength	Optional power Compatibility
		XXX	XX
		(blue) 470 †	12
		(green) 520 †	24
		(yellow) 590	
		(orange) 625	
		(red) 660	
		(infra-red) 880	
		(white) WHI †	

† Not available in 12v

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