

# AL4424

## 4" Broad Area Linear Array

- Aii** Provides very even illumination along the 100mm length of the light, with controlled "fall off" in the transverse direction.
- Aii** Designed to provide low angle of incidence illumination over a long, wide area.



### Ordering Information

**Stock Product:** Shipped Next Day

**Standard Product Variation:** Shipped Within Two Weeks

#### AL4424-660C2

Configured for use with Ai Power Supply

#### AL4424-66024 AL4424-660IC

Configured for use with user supplied 24vDC power

♦ UV LEDs have a considerably shorter half-life than other LEDs (<1000hrs). For this reason Ai recommends these LEDs be used in strobe mode only. For applications requiring continuous 24v power, contact Ai for assistance.

	Spectral wavelength	Optional power Compatibility	Optional Light Conditioning	Alternative Connector
AL4424	-	XXX	XX	X
	(UV) 395 ♦	IC	D	M12*
	(blue) 470	i3	(Diffuser)	(i3: 5-pin male; IC/24: 4-pin male)
	(green) 520	C2	P	
	(orange) 625	C3	(Polarizer)	
	(red) 660	C5		
	(infra-red) 880	24		
	(white) WHI			

IC = ICS (requires 24v power supply)

i3 = Combined continuous-on and strobe over-drive (24 volt PS required.)

C2 = Ai Connector

C3 = Pulsar 710 Connector

C5 = Pulsar 320 Connector

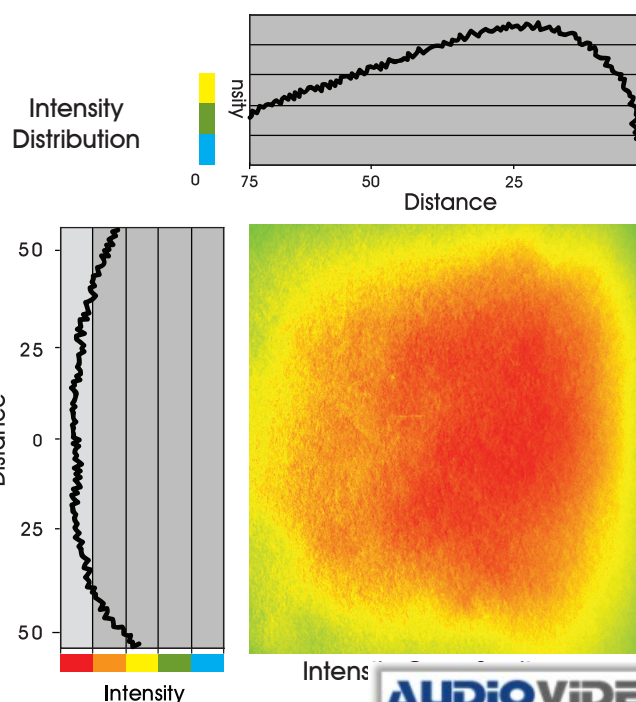
\* Available with IC, i3, and 24v options only

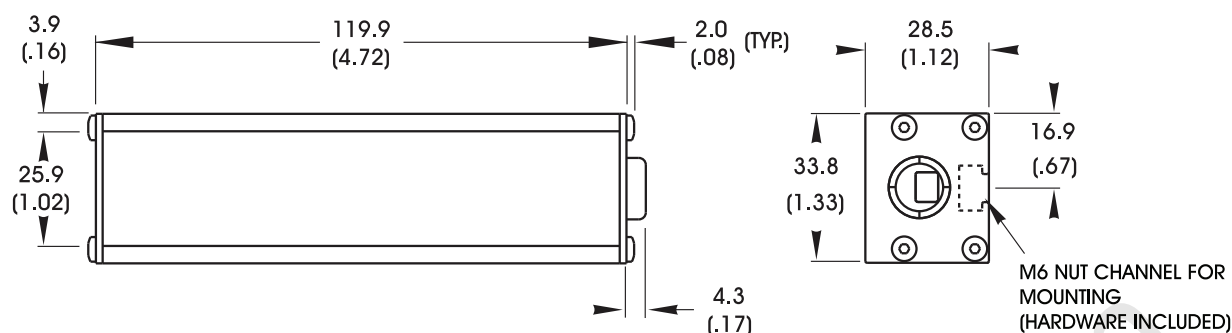
### Irradiance (mW/cm<sup>2</sup>) & Illuminance

Red	Max. Illumination	Irradiance (mW/cm <sup>2</sup> )
	Working Distance: 1.5"/.5"	.26
	Working Distance: 3.0"	.95

White	Max. Illumination	Irradiance (mW/cm <sup>2</sup> )	Illuminance (Lux)
	Working Distance: 2.0"/.5"	.61	2,000
	Working Distance: 3.0"	1.47	4,500

### Light Consistency Information

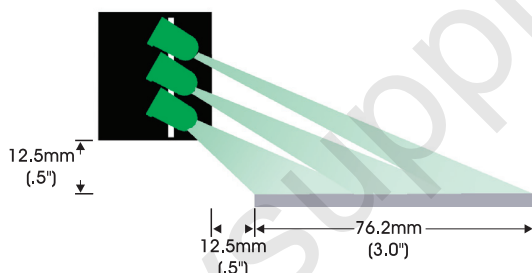




STANDARD CABLE LENGTH: 1.5 Meter (59")

DIMENSIONS ARE IN MILLIMETERS (INCHES)

## Light Set Up Diagram



## General Specifications

Weight:	227 gram (8 oz.)	Operating Temperature:	0-60 C°
Finish:	Black Anodized	Meets Specifications:	CE, RoHS

## Power Options

### C2 CONNECTOR

#### Current Regulators:

CS100, CS100-IC  
CS300, CS300-IC

#### Intensity Controllers:

MS210, MS220  
CS410, CS420

#### Strobe Controllers:

S4000  
S6000  
S6000-AS

### C3 CONNECTOR

#### Strobe Controller:

Pulsar 710

### C5 CONNECTOR

#### Strobe Controller:

Pulsar 320

### IC: Inline Current Source:

#### Power Supplies:

PS24-TL (1.6A)  
PS24-1.75 (1.75A)  
PS24-4 (4.2A)  
PS24-10 (10A)  
PS24-20 (20A)

### i3: Inline Strobe Unit:

#### Power Supplies:

PS24-TL (1.6A)

## Standard Variation Current Specifications

	blue	green	orange	red	infra-red	white	
@24	80	80	40	60	60	80	mA

802.767.3830

V1 Rev. 03.04.2014

For design help, accessories or pricing, please contact:  
sales@avsupply or call: 1-858-565-1101