SWIR Light Series

V2.2

Applications

- Surface defects on organic materials
- Sort foreign material
- Identify different materials
- Material defect inspection







High efficiency LEDs with various wavelengths in the SWIR range.

Technical specifications

Wavelength	Infrared (IR)	1050nm					
options	imalea (iii)	1200nm					
- p		1300nm					
		1450nm					
Connector	JST-SMR-03V-B	1:+24V 2: NC 3: GND					
	(FCB-3)						
Operating	Temperature	0~40 °C					
environment	Humidity	20~85 %					
Certification	CE / RoHS						
Accessories	VA-CABLE-MVL-FCB3-1m	1 meter extension cable					
	VA-CABLE-MVL-FCB3-3m	3 meter extension cable					
	VA-CABLE-MVL-FCB3-OE-3m	3 meter open end cable					
	VA-CABLE-MVL-FCB3-5m	5 meter extension cable					
	VA-BL3-MB	Mounting brackets Bar Lights					
Compatible	VA-PS2-A4-60W-24V	Analog 4 Channel / 24V / Total 60W / Max. 36W per channel					
Power Supply	VA-PS2-A2-150W-24V	Analog 2 Channel / 24V / Total 150W / Max. 72W per channel Analog 4 Channel / 24V / Total 150W / Max. 48W per channel					
(Dimmable/	VA-PS2-A4-150W-24V						
Trigger)	VA-PS5-D4-150W-24V						
		Digital 4 Channel / 24V / Total 150W / Max. 72W per channel					

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

This documentation is not intended as a substituted for and is not to be used for determining suitability or reliability of these products for specific user applications.

It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation, and testing of the products with respect to the relevant specific application or use thereof.

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Product table

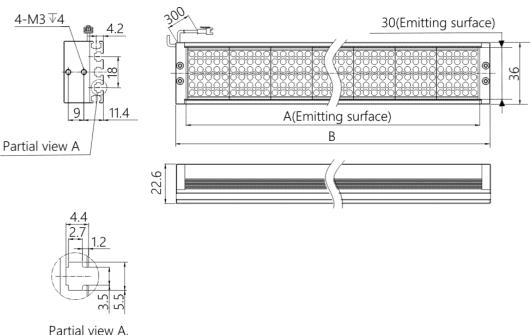
Model	Туре	LED Rows	Emitting surface A (mm)	Voltage	Dimensions B (mm)	Weight (gram)	Express Stock
VA-SWIR-BL-98x30	Bar	6	98x30	24V	110x36x22.6	120	No
VA-SWIR-BL-194x30	Bar	6	194x30	24V	206x36x22.6	80	No
VA-SWIR-BL-290x30	Bar	6	290x30	24V	302x36x22.6	100	No
VA-SWIR-RL-50-75	Ring	3	Ø28xØ90	24V	50x28x16	120	No
VA-SWIR-RL-90-70	Ring	3	Ø50xØ90	24V	90x50x20	150	No
VA-SWIR-RL-120-75	Ring	3	Ø65xØ120	24V	120x65x17	210	No

^{*}Tolerance +/- 10%



Technical drawing

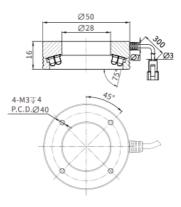
Bar



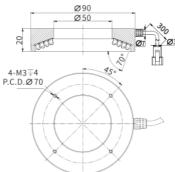
Partial view A, mounting slot for M3 nut

Ring

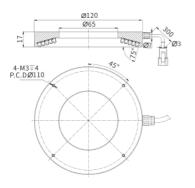




VA-SWIR-90-70



VA-SWIR-120-75





Product number

VA - SWIR	-	Type	-	Size	-	Wavelength
		BL		98x30		1050nm
		RL		194x30		1200nm
				290x30		1300nm
				50-75		1450nm
				90-70		
				120-75		

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