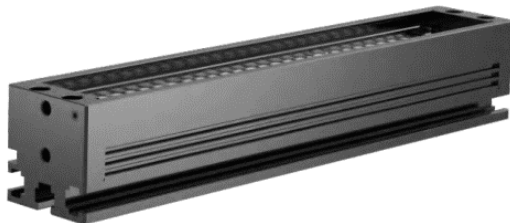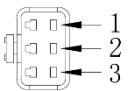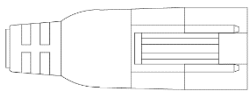# SWIR Light Series

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

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Product table

Model	Type	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%

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Technical drawing

Bar

4-M3 ⍏4
4.2
18
9   11.4

Partial view A

300
30(Emitting surface)
36
A(Emitting surface)
B
22.6

4.4
2.7
1.2
3.5
5.5

Partial view A,
mounting slot for M3 nut

Ring

VA-SWIR-50-75

Ø50
Ø28
16
300
Ø7
Ø3
75°

4-M3 ⍏4
P.C.D.Ø40
45°

VA-SWIR-90-70

Ø90
Ø50
20
300
Ø7
Ø3
70°

4-M3 ⍏4
P.C.D.Ø70
45°

VA-SWIR-120-75

Ø120
Ø65
17
300
Ø3
75°

4-M3 ⍏4
P.C.D.Ø110
45°
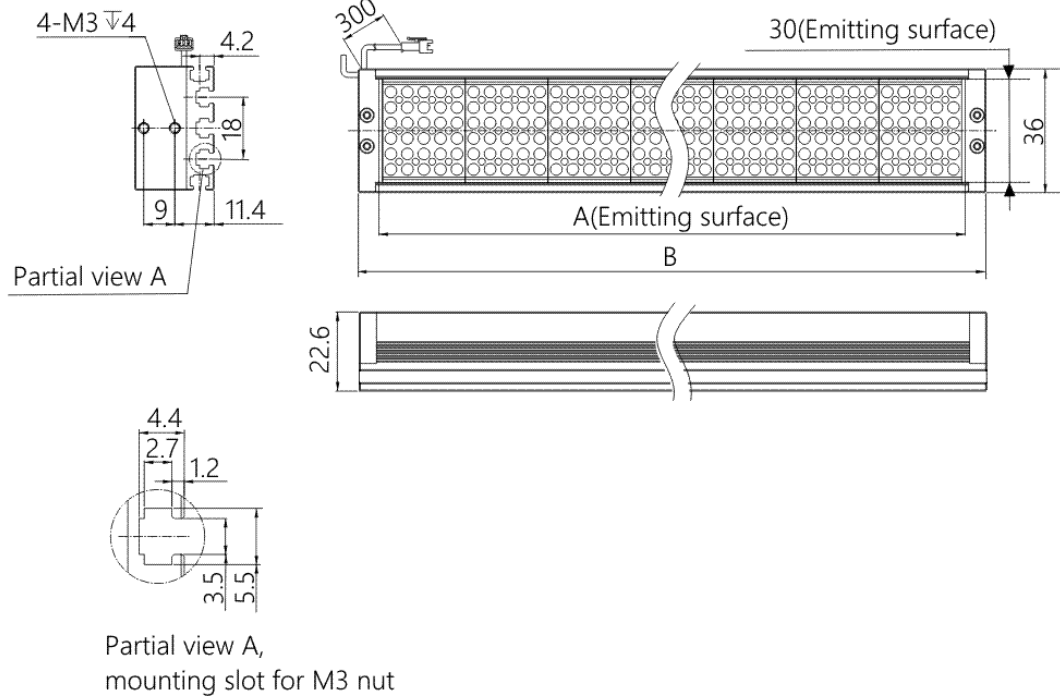
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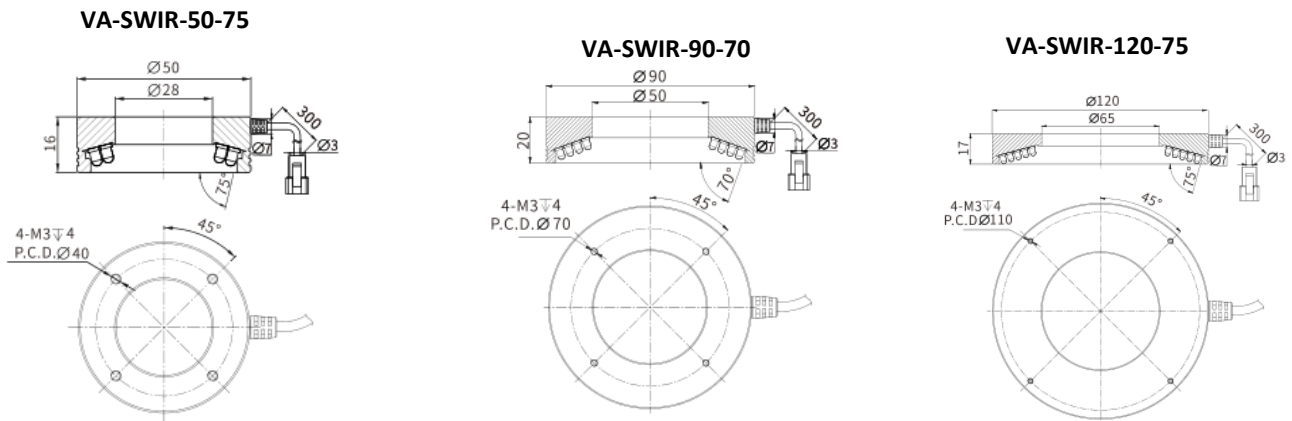
Product number

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

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