

Light UV/IR

NV-**-UV/IR series



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UV light is combined with high density UV LED particle array, make the subtle defects more obviously with multi dimensions and lower working distance. And the UV light can also lighten the UV gel to achieve the best effects for vision imaging.



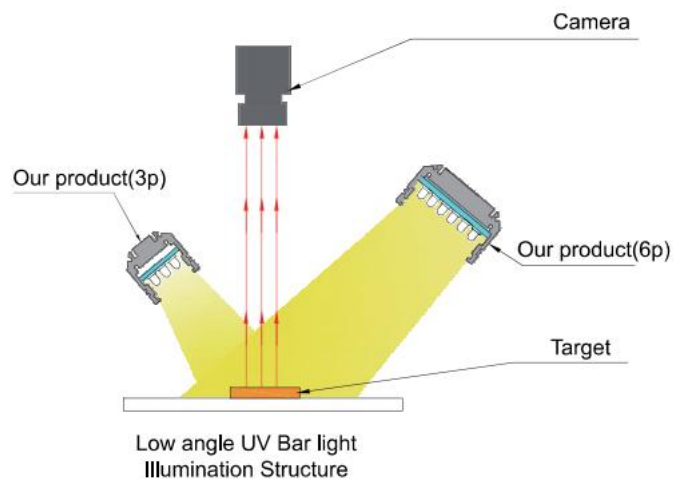
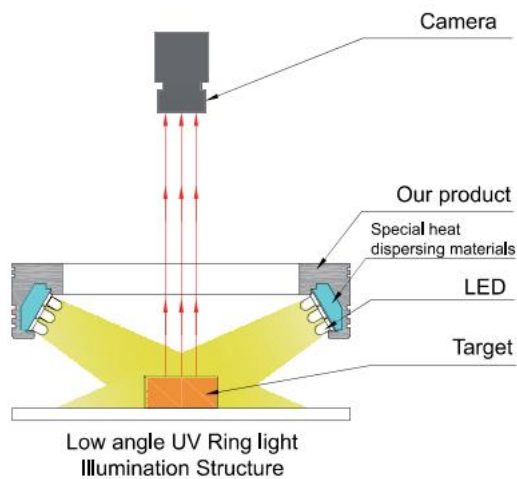
Features

- ◇ High density LED array
- ◇ Various beam angle can be customized
- ◇ Uv led light has shorter wavelength and better diffusivity
- ◇ Use wave-soldering technology, improved product quality,easy installation

Application Areas

- ◇ Inspect the PCB substrate
- ◇ Inspect the gumming of automobile industry
- ◇ Inspect the IC element characters and the gumming of connector
- ◇ Inspect the surface scratches, marks, breakages,margins, etc.

Illumination Structure



Selection Guide

NV	DR	##	A##	UV/IR
New vision	Ring Light	Outside Diameter	Emitting Angle	Color

NV	BR	##	17/27	UV/IR
New vision	BR Light	Lenght of emitting area	Width of emitting eara	Color

Technical Index

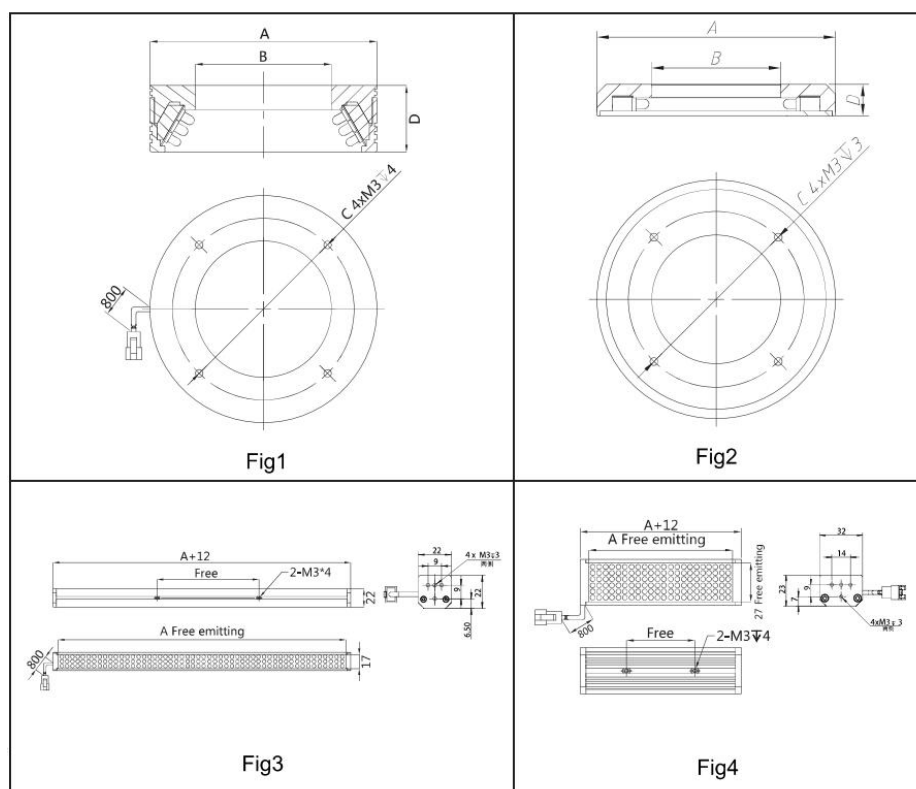
Color (Wavelength)	Red:620-630nm	Green:525-530nm	Blue:465-470nm
	White color temperature 6600-7000K	UV:365-395nm	IR:850/940nm
Operating environment	Temperature:0 to 50°C,Humidity:20% to 85% RH		
Life time	100,000hrs theoretical service time(Depends on the operating environment, not a guarantee.)		
Compatible Controller	Analog Controller, Digital Controller, Constant Current Controller		
Optional Accessory	1.Lights source and lens adaptor.		
	2.Diffusion plate,Polarizing plate. (Opational transmittance:60%,70%,80%,90%)		
	3.Extension cable:1m/2m/5m/10m/15m(2 kinds of materials of the shell of wire:PVC of hardness; silicone of softness.)		
Warranty	One year warranty,Free samples and technical support(buyers pay for the freight)		
Lights customization	Provide design and development service according to individual needs of customers.To reach the best image effects.		

Light parameters(voltage is 24V)

Angle	Model	Color (IR/UV)	Power(W)		Dimentions					Installation Picture Number
			Output 	Output 	O.D. (mm) A	I.D. (mm) B	Mounting hole C	Thickness D	Quantity of row	
Low Angle 60-75°	NV-DR75-A60-		2.3W	3.6W	75	40	60	22	3	1
	NV-DR90-A60-		3.9W	5.9W	90	54	75	23	3	
	NV-DR100-A60-		4.4W	6.4W	100	63	84	23	3	
	NV-DR120-A60-		5.1W	10.1W	120	87	100	30	3	
Horizontal Low Angle 60-70°	NV-DR75-A90-		0.6W	1.8W	76	41	56	10.5	1	2
	NV-DR96-A90-		0.8W	2W	96	61	80	10.5	1	
	NV-DR126-A90-		1.6W	2.4W	126	91	110	10.5	1	
3 Rows Bar Light	NV-BR5317-		0.87W	1.32W	53	-	-	-	2	3
	NV-BR9817-		1.6W	2.42W	98	-	-	-	2	
	NV-BR18517-		3.05W	4.62W	185	-	-	-	2	
	NV-BR24817-		4.06W	6.16W	248	-	-	-	2	
6 Row Bar Light	NV-BR7027-		1.89W	2.86W	70	-	-	-	3	4
	NV-BR9827-		2.61W	3.96W	98	-	-	-	3	
	NV-BR15027-		4.06W	6.16W	148	-	-	-	3	
	NV-BR20027-		5.37W	8.14W	200	-	-	-	3	

The models listed above are just basic models of UV light in our industry: we use 3M mould, any dimensions within 3M(3 rows LED particles which are multiples of 8.8MM and 6 rows LED particles which are multiples of 5.28MM)can be customized. 95% models in this brochure can be customized of IR&UV light, if you need please contact us for more details.

Installation diagram



Applications

Inspect the gumming of mobile phone speaker connector

Model: FG-DR90-A6O-UV01

To inspect the length of gumming on mobile phone speaker connector and if it's even. Choose the property angle to emit and the corresponding waveband of UV gumming, will achieve the best effect of inspection.

