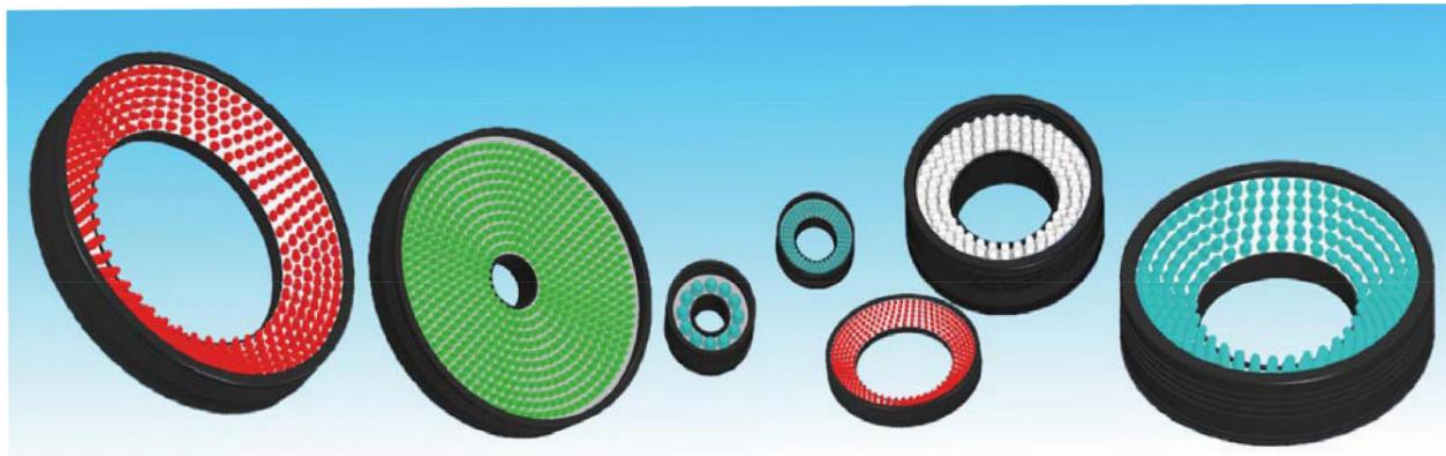


Ring Light NV-DR series



Ring Light NV-DR series

Ring lights are combined with highlight and high-density LED array, irradiate to center from any angle with multi dimensions.



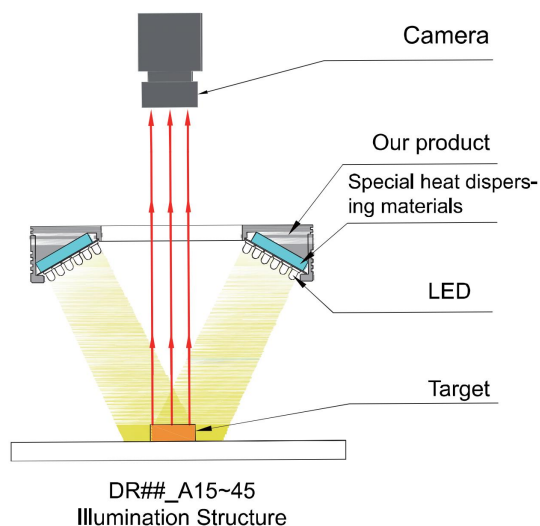
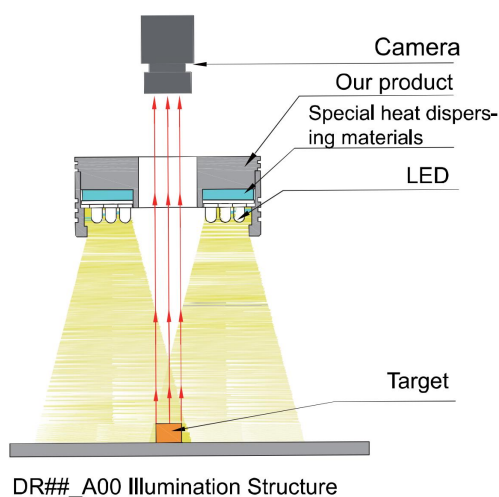
Features

- ◇ High density LED array, high brightness
- ◇ Various beam angle can be customized
- ◇ Diffuse board is optional, increase the uniformity of lights
- ◇ Use wave-soldering technology, improved the quality of products, easy installation

Application Areas

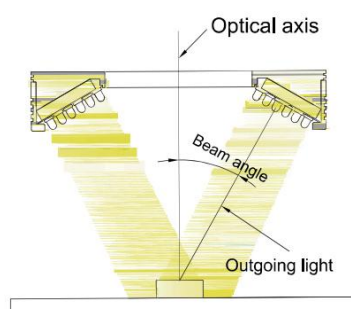
- ◇ Inspection PCB (printed circuit board)
- ◇ Inspection of labels
- ◇ Inspection package defects
- ◇ Inspection of general appearance
- ◇ Inspection of IC elements characters and appearance

Illumination Structure



Angle Diagram

Beam angle is the angle between the optical axis and the outgoing light:



Selection Guide

NV	DR	##	A##	R/G/B/W
New vision	Ring Light	Outside Diameter	Emitting Angle	Color

Technical Index

Color (Wavelength)	Red:620-630nm	Green:525-530nm	Blue:465-470nm
Operating environment	White color temperature 6600-7000K	UV:365-395nm	IR:850/940nm
Life time	Temperature:0 to 50℃,Humidity:20%to 85% RH		
Compatible Controller	100,000hrs theoretical service time(Depends on the operating environment,not a guarantee.)		
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.		

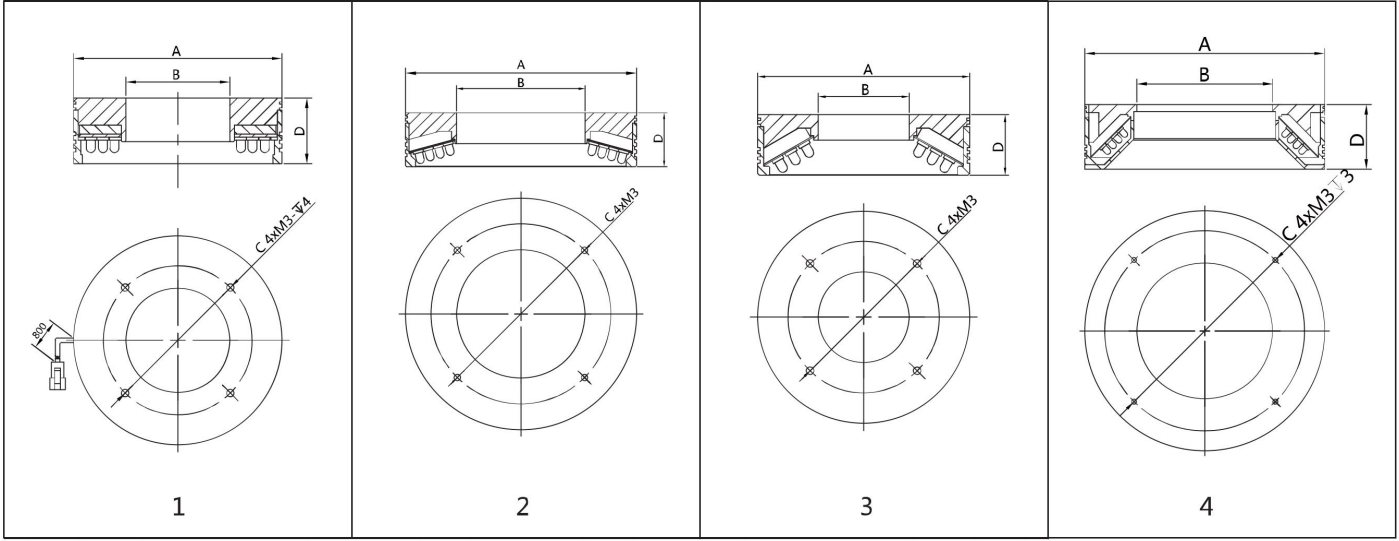
Light parameters(voltage is 24V or 48V)

Angle	Model	Color (R/G/B/W)	Power(W)		Dimentions					Picture Number
			Output 	Output 	O.D. (mm) A	I.D. (mm) B	Mountin g hole C	Thickness D	Quantity of row	
0°	NV-DR28-A00-		0.2W	0.5W	28	10	20	22	1	1
	NV-DR35-A00-		0.9W	1.35W	37	15	24	22	2	
	NV-DR50-A00-		1.3W	2.3W	50	15	40	22	3	
	NV-DR70-A00-		1.8W	2.7W	70	35	50	22	3	
	NV-DR90-A00-		3.5W	6.1W	90	45	70	22	4	
	NV-DR100-A00-		6.1W	7.3W	100	40	80	22	5	
	NV-DR110-A00-		6.4W	7.9W	110	60	85	22	5	
	NV-DR120-A00-		4.7W	7.3W	120	50	100	22	6	
	NV-DR140-A00-		6.5W	10.5W	140	90	120	22	6	
	NV-DR150-A00-		10.5W	15.8W	150	25/50	130	22	11/8	
	NV-DR200-A00-		13.1W	18.9W	200	110	160	22	7	
	NV-DR260-A00-		16.2W	23.3W	260	160	220	22	8	
15°	NV-DR34-A15-		0.9W	1.2W	34	10	24	21	2	2
	NV-DR40-A15-		0.9W	1.4W	42	15	30	21	2	
	NV-DR50-A15-		0.8W	1.6W	52	27	40	21	2	
	NV-DR60-A15-		0.93W	1.8W	62	37	50	21	2	
	NV-DR70-A15-		1.7W	2.9W	70	37	50	21	3	
	NV-DR90-A15-		3.1W	5.6W	90	50	70	21	4	
	NV-DR104-A15-		4.1W	6.5W	104	56	80	21	5	
	NV-DR110-A15-		3.6W	6.8W	110	60	85	21	5	
	NV-DR120-A15-		3.8W	7.4W	120	60	100	21	6	
	NV-DR145-A15-		6.9W	12.6W	145	85	125	21	7	
30°	NV-DR50-A30-		1.5W	2.3W	50	28	40	20	2	3
	NV-DR60-A30-		1.6W	2.5W	60	34	50	20	2	
	NV-DR70-A30-		2.1W	3.3W	70	30	50	20	3	
	NV-DR90-A30-		3.85W	6.3W	90	40	70	22	5	
	NV-DR100-A30-		4.25W	7.1W	100	50	70	22	4	
	NV-DR120-A30-		8.5W	13.6W	120	60	90	24	6	
	NV-DR150-A30-		8.6W	14.5W	150	94	130	24	6	
	NV-DR180-A30-		8.8W	15.9W	180	120	160	24	6	
	NV-DR200-A30-		9.5W	16.2W	200	140	180	24	6	

Angle	Model	Color (R/G/B/W)	Power(W)		Dimentions					Picture Number
			Output 	Output 	O.D. (mm) A	I.D. (mm) B	Mounting hole C	Thickness D	Quantity of row	
45°	NV-DR55-A45-		1.9W	2.9W	55	25	44	22	3	4
	NV-DR70-A45-		2.3W	3.7W	70	32	54	22	3	
	NV-DR90-A45-		3.4W	4.8W	90	50	75	24	3	
	NV-DR100-A45-		3.6W	5.1W	100	60	80	24	3	
	NV-DR120-A45-		8.1W	13.4W	120	68	100	33	4	
	NV-DR130-A45-		9.3W	15.6W	130	78	100	33	4	
	NV-DR150-A45-		10.2W	15.3W	150	105	130	30	4	
	NV-DR180-A45-		12.3W	18.4W	180	136	155	30	5	

Notes: Beam angle is the angle between the optical axis and the outgoing light. (all the lights adopt 24V output voltage, please inform us in advance to custom if you want 12V.)

Installation diagram

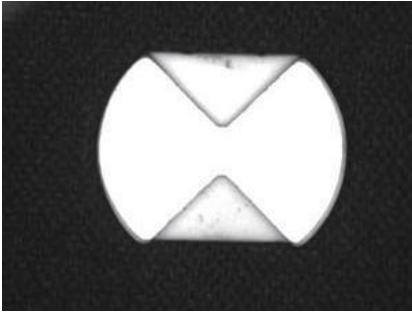


Applications

Inspect the outline of china products

◇ Model: NV-DR70-W

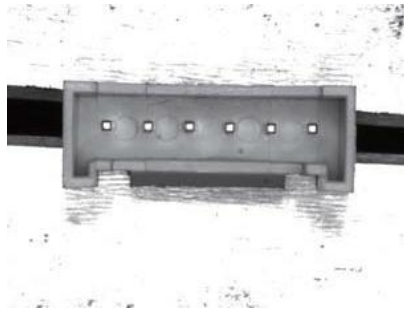
◇ Use ring light to illuminate on the surface china products directly can make the surface brighter,if using farther work distance, the outline can be seen quite clearly.



Inspect the true position of connector terminals

◇ Model: NV-DR50-B

◇ The surface of terminal is quite flat,so use straight light to lighting the surface,the background will appear grey under the illuminate of blue light,so the inspection can be fulfilled quite well.



Inspection of the cross recess for screw

◇ Model: NV-DR50-B

◇ Use straight light to lighting the screw, the flat surface will appear quite bright, on the contrary, the rough cross recess area will appear black. This tells if the cross recess is good or not.

