

Low Angle Shadowless Ring Light

NV-FPR series



Low Angle Shadowless Ring Light NV-FPR series

LED particles of shadowless ring light emitting from the top, light go through high rate light guide panel, achieved long working-distance and high-uniform diffused light, avoided the shadow on the reflective surface effectively.



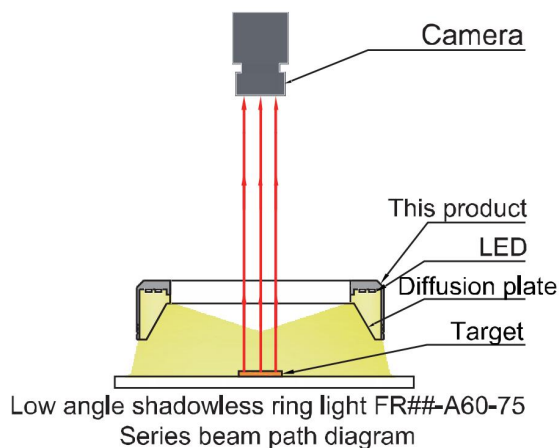
Features

- ◇ Adopted area emitting, high uniform, high working distance
- ◇ Various size customizable, can be combined with coaxial light
- ◇ Uniformly emitting, no light spot
- ◇ Adopted reflow soldering technology, easy installation, compact design

Application Areas

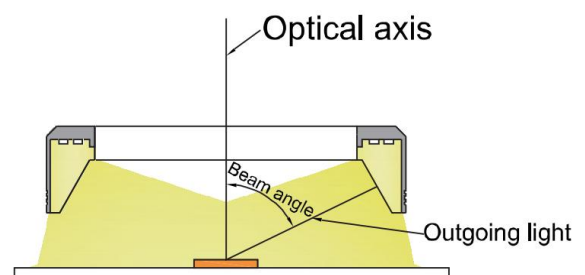
- ◇ Inspect the defect on cigarette case surface
- ◇ Inspect general appearance and microscope illumination
- ◇ Inspect the capacitance, IC element characters and appearance
- ◇ Inspect the scratches, marks, breakages of surface and edges
- ◇ Inspect the easy-reflective surface

Illumination constructure



Angle diagram

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



Selection Guide

NV	FR	##	A##	R/G/B/W
New vision	Shadowless ring light	Outside Diameter	Beam Angle	Color

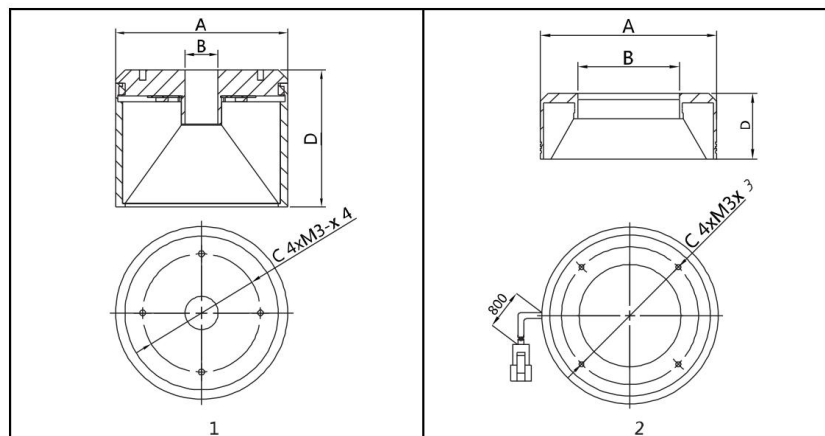
Technical Index

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		NV-LU Series DOME line scan light
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)

Mold	Model	Color (R/G/B/W)	Power(W)		Dimentions				Pic. No.
			Output 	Output 	A	B	C	D	
45°	NV-FPR30-A45	   	0.6W	0.9W	30	4	20	24	1
	NV-FPR50-A45	   	1.9W	2.3W	40	26	36	22.5	
	NV-FPR70-A45	   	3.8W	4.5W	70	32	50	33	
	NV-FPR90-A45	   	8.4W	9.4W	97	52	70	33	
60-75° Low angle shadowless illumination	NV-FPR50-A60	   	2.1W	2.5W	50	28	36	22	2
	NV-FPR80-A60	   	4.1W	4.5W	80	64	70	40	
	NV-FPR90-A60	   	6.2W	6.9W	90	52	70	33	
	NV-FPR120-A60	   	8.9W	9.6W	120	82	108	33	
	NV-FPR140-A60	   	10.5W	11.2W	140	102	120	33	
	NV-FPR180-A60	   	12.6W	13.8W	180	136	160	33	

Installation diagram



Applications

- ◇ Inspect the appearance of medicine
- ◇ Model: NV-FPR180-A60-R
- ◇ Large view, many small holes, any light will have a great influence of the inspect result, this light have no reflection and no shadow.

