

Coaxial Light
NV-FV series



Coaxial Light NV-FV series

Coaxial light adopted high density LED array and translucent mirror combination design, the reflected light illuminate from the direction which is parallel to the optical axis. So avoided the reflection from products' surface, and the uneven can be shown better.



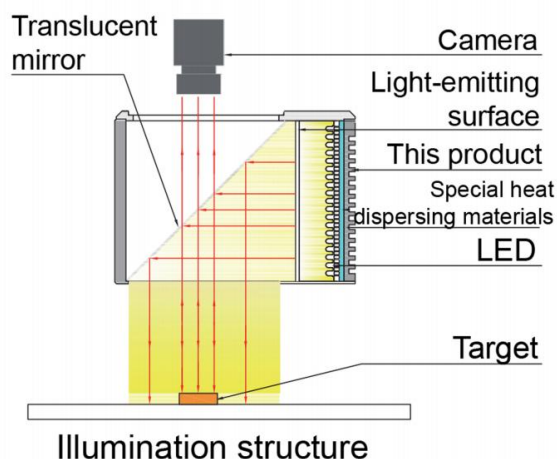
Features

- ◇ High-grade translucent mirror for maximum light transmission
- ◇ Optional optical plastic film, inhibit the particular direction diffused light, incase different field demand
- ◇ Adopted wave-soldering technology, easier installation from sides and front
- ◇ High density LED array, illuminating uniformly and no shadowless

Application Areas

- ◇ Inspect the QR code & Mark point
- ◇ Inspect the outline of products and the distance between them
- ◇ Inspect the chip characters and the height of connector terminal
- ◇ Inspect the defects of outside edge
- ◇ Inspect the surface of reflective objects

Illumination constructure



Notes: The LED chips coaxial light is available if the working distance is under 60mm, with high brightness, good uniformity. If you want this mold of light, please add T after FV, eg. NV-FVT50-* (FV represents granular luminous surface)

Selection Guide

NV	FV-	**	R/G/B/W/IR
New vision	Coaxial Light	Emitting area Lenght=Width	Color

NV	THC-	**	**	R/G/B/W/IR
New vision	Coaxial Light	Length of emitting area	Width of emitting area	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.		

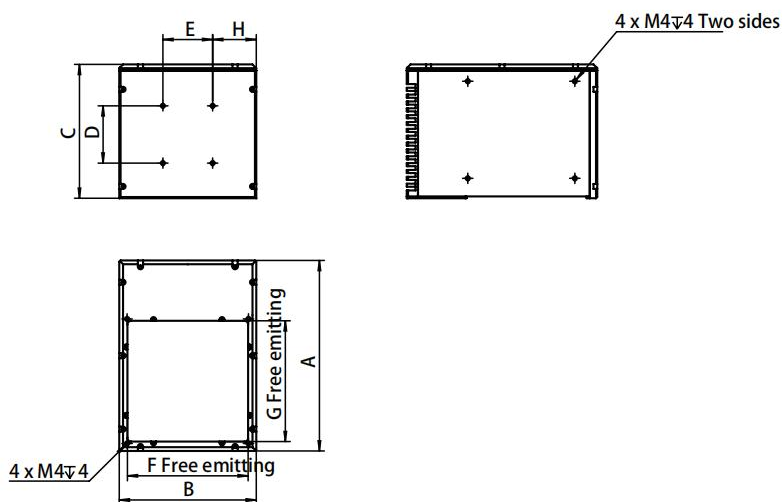
Light parameters(voltage is 24V)

Mold	Model	Color (R/G/B/W)	Power(W)		Dimentions								Pic. No.
			Output 	Output 	A	B	C	D	E	F	G	H	
Coaxial Light	NV-FV20		0.5W	0.6W	60	33	32	21	18	19	19	8	1
	NV-FV25		1.6W	2.1W	65	38	38	21	18	24	24	10.5	
	NV-FV40		2W	2.4W	77	46	47	25	30	38	39	10	
	NV-FV50		2W	2.7W	101	60	60	36	30	47	47	14	
	NV-FV70		4W	5.1W	125	84	79	50	60	67	67	13	
	NV-FV80		4W	5.1W	131	86	79	50	60	78	74	13	
	NV-FV100		8W	12W	153	110	107	78	86	97	97	13.5	
	NV-FV130		13.64W	20.8W	187	142	137	78	100	126	126	25	
	NV-FV150		18W	25.5W	206	162	158	130	100	145	145	14	
	NV-FV80*130		6W	8.1W	-	-	-	-	-	-	-	-	
	NV-FV200*200		32W	48W	-	-	-	-	-	-	-	-	

The new products

NV-FV60-	NV-FV250250-
NV-FV80200-	NV-FV320220-
NV-FV100250-	NV-FV400200-
NV-FV150200-	NV-FV400250-
NV-FV100300-	NV-FV490330-
NV-FV100350-	NV-FV230500-
NV-FV320150-	

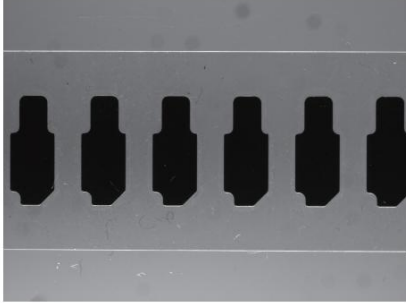
Installation diagram



Applications

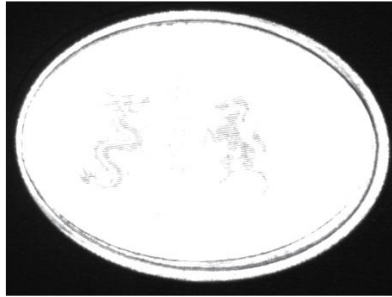
◇ Model: NV-FV130-B

◇ Inspect the defects of carrier tape outline, uniformity illuminating avoid reflection well, so the outline can be seen evenly.



◇ Model: NV-FVT100-B

◇ Inspect the indentation deviation of reflective anti-counterfeiting mark, avoiding the reflection well, the deviation of indentation can be seen evenly.



◇ Model: NV-FV50-W

◇ Inspect if the welds of mobile phone speaker appearance are good or not.
◇ Use this model of light to illuminate the surface vertically, those small black spots can be seen evenly.

