

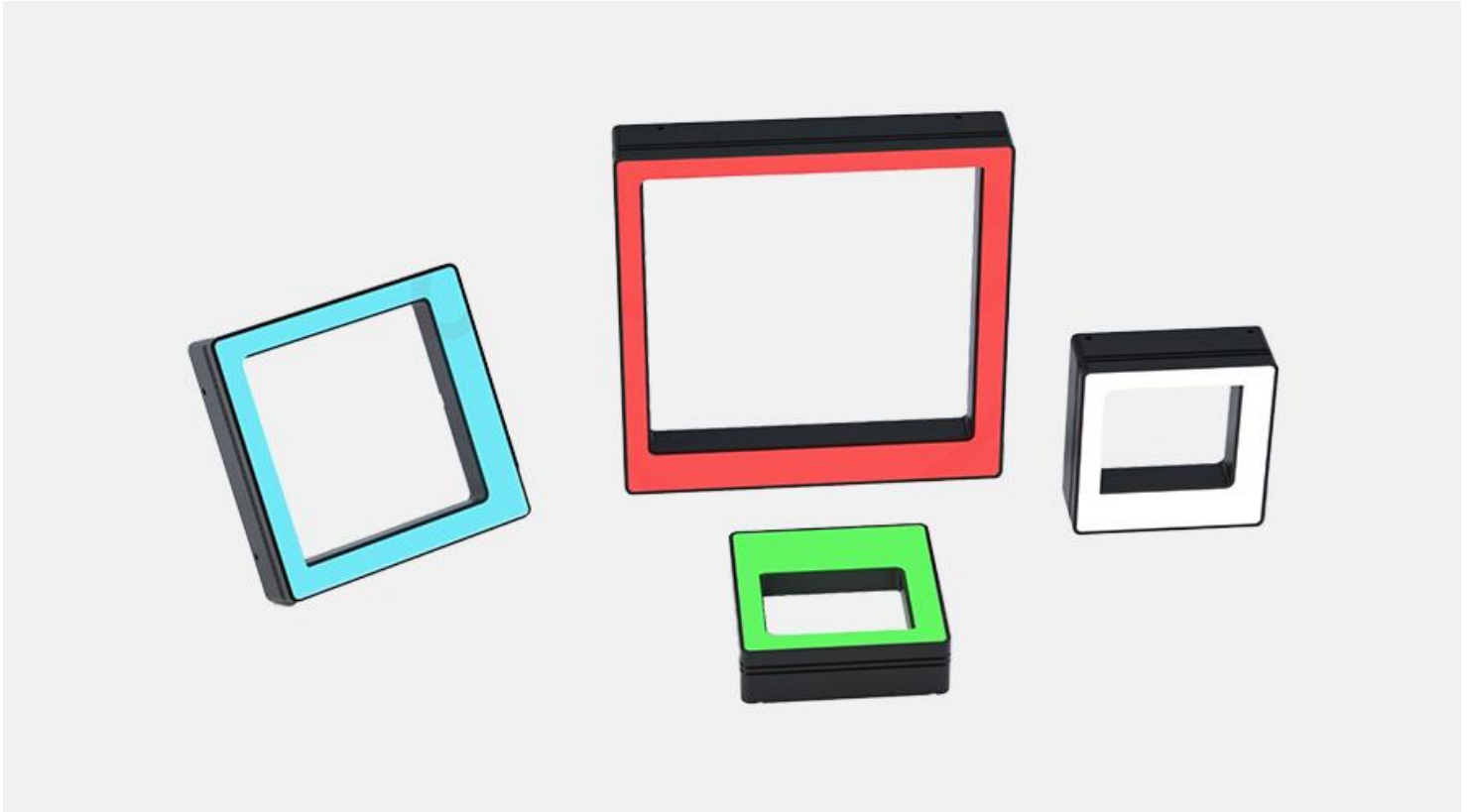
Shadowless Square Light

NV-FPQ Series



Shadowless Square Light NV-FPQ Series

Flat adopted stretch mould design, easy installation and high efficiency in heat dissipation from bottom and sides. High transmission rate material improved the uniformity of light, it makes the design of thinner lights and more dimensions of lights more conveniently. Fit those cases of not high requirements and low costs especially.



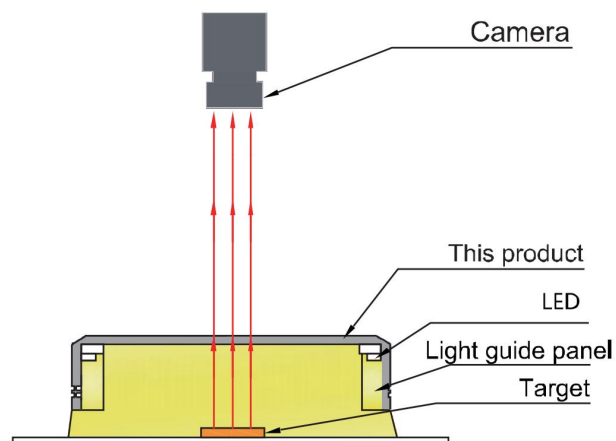
Features

- ◇ Adopted area emitting, high uniform
- ◇ Uniform surface emitting, no light spot
- ◇ Adopted reflow soldering technology, easy installation, compact design
- ◇ Achieved shadowless low angle emitting and multi angle (from the top) emitting

Application Areas

- ◇ Inspect the defects on cigarette case surface
- ◇ Inspect small size glass
- ◇ Inspect IC element characters and appearance
- ◇ Inspect the scratches, marks, breakages of surface and edges of appearance
- ◇ Inspect the easy-reflective surface

Illumination constructure



Selection Guide

NV	FPQ	##	R/G/B/W
New vision	Shadowless square Light	Outside Diameter	Color

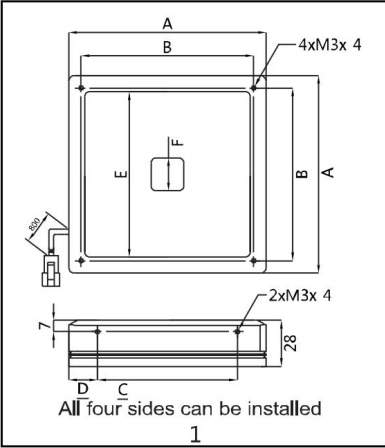
Technical Index

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℃,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	E	F	
Shadowless square light	V-FPQ32-		0.96W	1.08W	32	15	15	8.5	11	12	1
	NV-FPQ48-		1.92W	2.16W	48	33	20	12	27	12	
	NV-FPQ70-		2.88W	3.24W	70	55	58	6	49	26	
	NV-FPQ95-		3.84W	4.32W	95	80	60	17.5	74	28	
	NV-FPQ120-		4.8W	5.4W	120	105	85	17.5	99	30	
	NV-FPQ140-		5.76W	6.48W	140	125	105	17.5	119	35	
	NV-FPQ160-		7.72W	7.56W	160	145	125	17.5	139	40	

Installation diagram



Applications

- ◇ Inspect the alignment of reflective surface

◇ Model: NV-FPQ120-W

◇ The surface of the circuit board is highly reflective and needs even illumination without reflection and shadow. There can not be any shining object on the upper part of the visual field. This light can meet this requirement properly.
- ◇ Inspect the alignment of LCD panel

◇ Model: NV-FPQ75-R

◇ The surface of the circuit board is highly reflective and needs even illumination without reflection and shadow. There can not be any shining object on the upper part of the visual field. This light can meet this requirement properly.
- ◇ Inspect the car dashboard

◇ Model: NV-FPQ140-B

◇ The car dashboard is highly reflective, so use shadowless light to form a low angle illumination environment, so the scratches and defects can be seen evenly.

