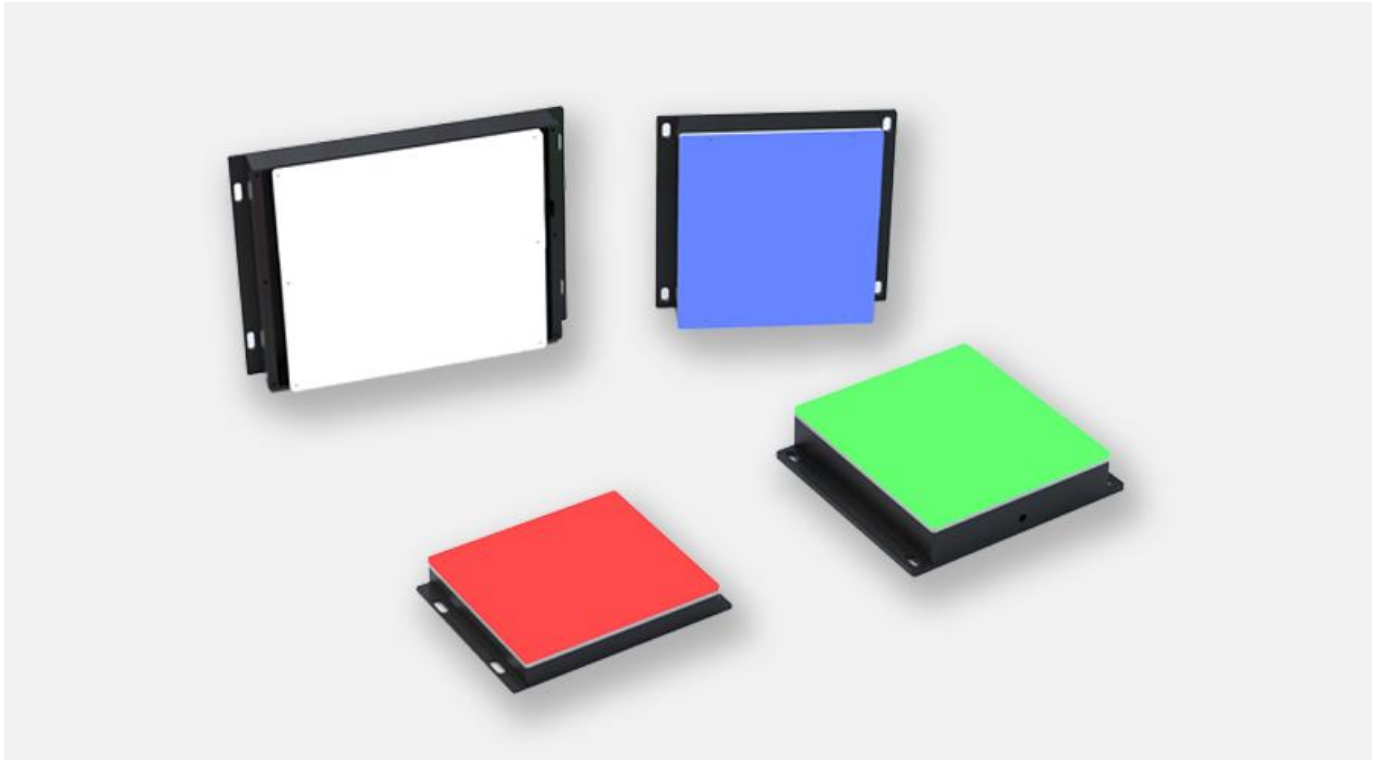


Back Light
NV-TH series



Back Light NV-TH series

Back light adopted drawing die, high efficiency heat dissipation of the bottom and sides. Small imported LED patches were arranged in high density, improved the uniformity of light, make it possible to design in multiple dimensions, and faster in developing new products.



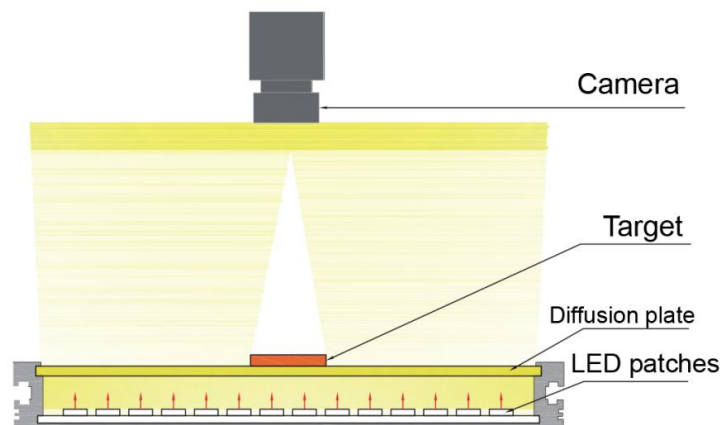
Features

- ◇ Available to be combined to any size of lighting area
- ◇ Optional different transmittance diffused plate, incase of different field demand
- ◇ Adopted reflow soldering technology, easier installation of sides and front
- ◇ Lighter, larger heat dissipating area, more quickly in developing new dimensions

Application Areas

- ◇ Inspect the level of liquid level and the impurities in liquid
- ◇ Inspect the products outline and the distance between products
- ◇ Inspect the fuse, the height and the true position of connector terminals
- ◇ Inspect the damage of outer edge
- ◇ Inspect the appearance dimensions under a large uniformity lighting area

Illumination constructure



Selection Guide

NV	TH-	**	**	R/G/B/W/IR
New vision	Back Light	Length of emitting area	Width of emitting area	Color

Technical Index

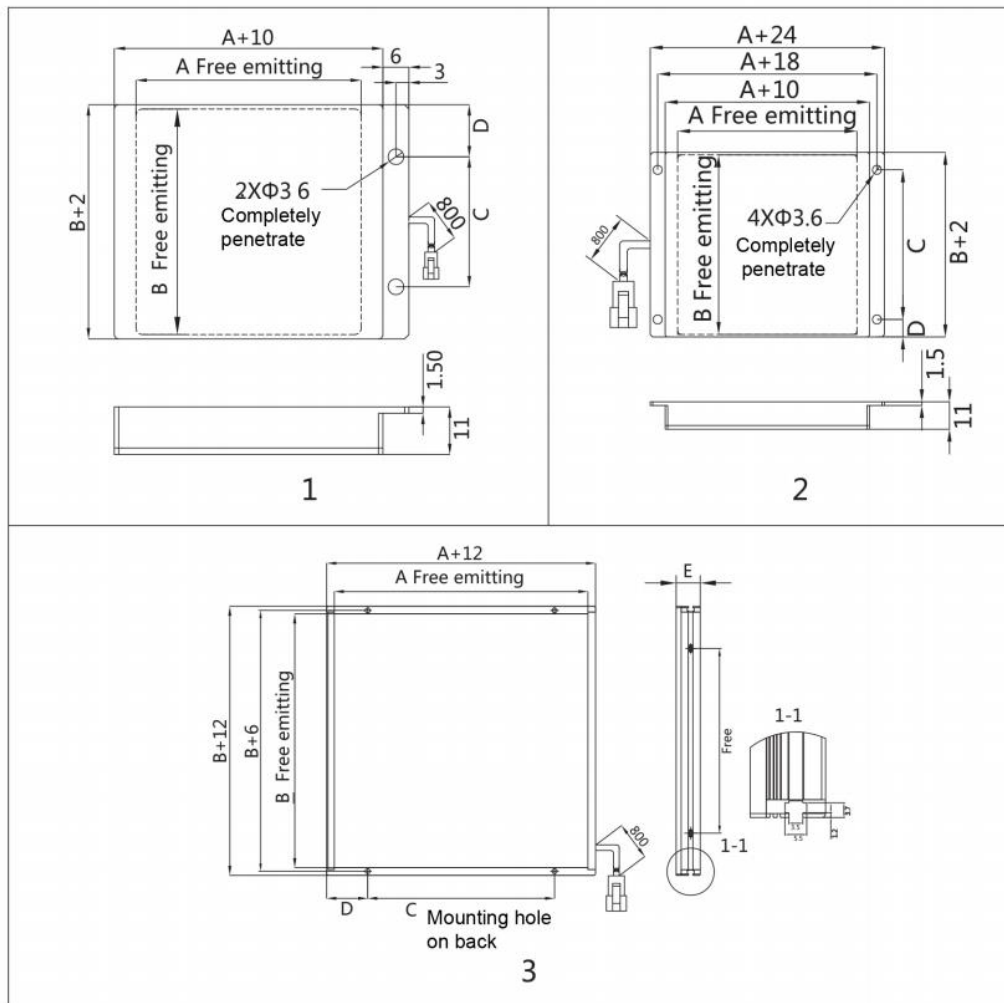
Color (Wavelength)	Red:620-630nm	Green:525-530nm	Blue:465-470nm
	White color temperature 6600-7000K	UV:365-395nm	IR:850/940nm
Operating environment	Temperature:0 to 50℃,Humidity:20% to 85% RH		
Life time	100,000hrs theoretical service time(Depends on the operating environment, not a guarantee.)		
Compatible Controller	Analog Controller, Digital Controller, Constant Current Controller		
Optional Accessory	1.Lights source and lens adaptor.		
	2.Diffusion plate,Polarizing plate. (Opotional 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					Picture Number of Installtion
			Output 	Output 	A	B	C	D	E	
Back Light	NV-TH2727		0.9W	1W	27	27	20	4.5	11	1
	NV-TH3030		0.72W	1.1W	30	30	20	10	9.5	2
	NV-TH3634		1.5W	2.2W	34	36	40	4	9.5	
	NV-TH4040		2W	2.4W	40	40	30	6	12.5	
	NV-TH5050		2.1W	2.7W	50	50	36	6	15.5	
	NV-TH6030		1.44W	2.2W	60	30	15	8.5	12.5	
	NV-TH6060		2.88W	4.4W	60	60	30	16	11	
	NV-TH9060		4.32W	6.6W	90	60	42	10	12.5	
	NV-TH3090		3.9W	4.7W	90	30	20	5	15.5	
	NV-TH8040		4W	4.8W	80	40	30	6	12.5	
	NV-TH10050		4.5W	5.4W	100	50	30	7	21.5	
	NV-TH7070		4W	5.1W	70	70	52	10	12.5	
	NV-TH8080		8W	9.6W	80	80	58	12	12.5	
	NV-THU9090		5.04W	7.7W	90	90	60	16	12.5	
	NV-THU100100		8.4W	10.8W	100	100	100	16	22	
	NV-THU120120		11.4W	12.6W	120	120	90	16	15.5	
	NV-THU130130		14.6W	16.2W	130	130	75	28.5	15.5	
	NV-THU150150		18.4W	24.3W	150	150	128	16	13.5	
	NV-THU180180		26.3W	36.4W	180	180	140	26	20	
	NV-TH200100U		16.8W	21.6W	200	100	71	19.5	15.5	
	NV-TH200200		33.6W	43.2W	200	200	171	26	20	
	NV-TH250250		52.5W	67.5W	250	250	160	26	20	
	NV-TH250150		34.6W	42.5W	250	150	210	26	20	
	NV-TH280280		57.6W	72W	280	280	240	26	20	
	NV-TH300300		75.6W	97.2W	300	300	230	26	23	
	NV-TH330250		73.1W	94.7W	330	250	290	26	23	
	NV-TH350350		90.3W	116.1W	350	350	310	26	23	
	NV-TH400400		130.2W	192.2W	400	400	360	26	25	
	NV-TH400300		100.8W	148.5W	400	300	360	26	25	
	NV-TH450450		146.73W	212.3W	450	450	410	26	25	
	NV-TH500400		168W	234.9W	500	400	460	26	25	
	NV-TH600460		183.2W	246.5W	600	460	560	26	25	

Mold of this series was designed in form,these parameters are just for your reference; the installation diagram after 250250 please contact us for latest design.

Installation diagram



Applications

◇ Inspect the medical bottle cap

◇ Model: NV-TH5050*R/IR

Utilize the penetrativity of red back light, so the bubble in the medical cap will be distinguished easily.

◇ Inspect the gap between terminals of connector

◇ Model: NV-TH3030-R & NV-DR50-B(Ring light)

Since the narrow gap can not be inspected steadily, use back light through the narrow gap to make the background appear grey, then use positive light to supply light from bottom to make the background brighter, then the gap between terminals can be seen clearly.

◇ Inspect the characters on car keyboard

◇ Model: FG-NV300300-R

Utilize the high brightness of back light and the penetrativity of red light to achieve the large area inspection of characters defects.

