

High Brightness Shadowless Ring Light

NV-HPDG Series



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The high-brightness shadowless ring light is composed of evenly distributed LED particles passing through the light guide plate from the bottom to form a uniform diffuse light, effectively avoiding the reflection of the LED on the reflective surface. More powerful and further emitting distance are customizable.



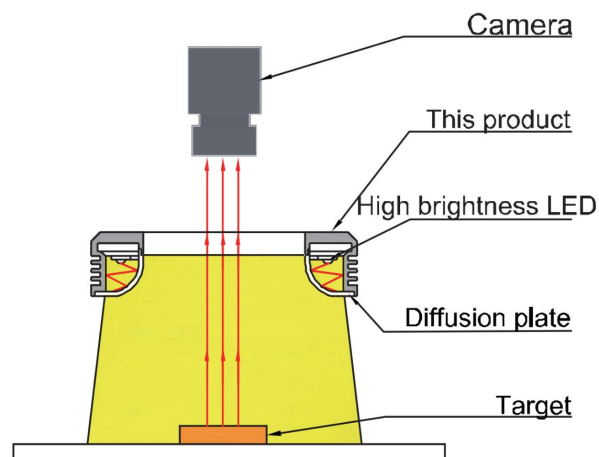
Features

- ◇ Adopted area emitting, high uniform
- ◇ Large emitting area, high power, far distance emitting
- ◇ Uniformly surface emitting, no light spot
- ◇ Adopted reflow soldering technology, easy installation, compact design

Application Areas

- ◇ Inspect the defects on cigarette case surface
- ◇ Inspect the general appearance of big size commodity
- ◇ Inspect the capacitance, IC element characters and appearance
- ◇ Inspect the scratches, marks, breakages of surface and edges
- ◇ Inspect the easy-reflective surface

Illumination constructure



Selection Guide

NV	HPDG	##	R/G/B/W
New vision	High Brightness Shadowless Ring Light	Outside Diameter	Color

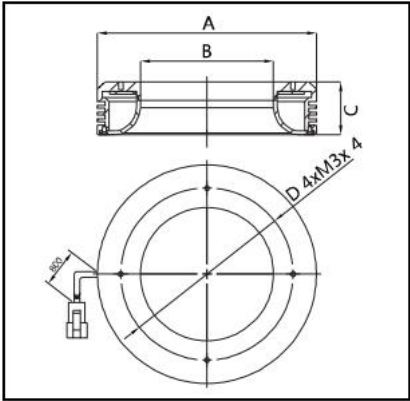
Technical Index

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°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 	A	B	C	D	
HPDG	NV-HPDG50-		16W	50	14	33	40	1
	NV-HPDG75-		24W	75	32	33	60	
	NV-HPDG80-		26W	80	36	33	55	
	NV-HPDG115-		34W	115	70	33	100	
	NV-HPDG150-		37W	150	106	46	120	
	NV-HPDG175-		43W	177	111	46	150	
	NV-HPDG190-		45W	190	146	46	160	
	NV-HPDG200-		47W	205	148	46	160	
	NV-HPDG245-		53W	247	190	46	230	
	NV-HPDG300-		60W	305	247	46	270	

Installation diagram



Applications

- ◇ Inspect the surface of LCD
- ◇ Model: NV-HPDG180-W
- ◇ With a range of reflective, uniform illumination is required, use this light can achieve large area uniform illumination.

