

Coaxial Line Scan Light

NV-TLN series



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The linear coaxial light source is composed of high-density high-brightness high-power LED particle array, combined columnar lens, optical lens and thin film to make the light more uniform. The shell is designed for magnesium and aluminum alloy forming in one, adding multiple heat sinks and air cooling, providing favorable conditions for the detection of reflective surface.



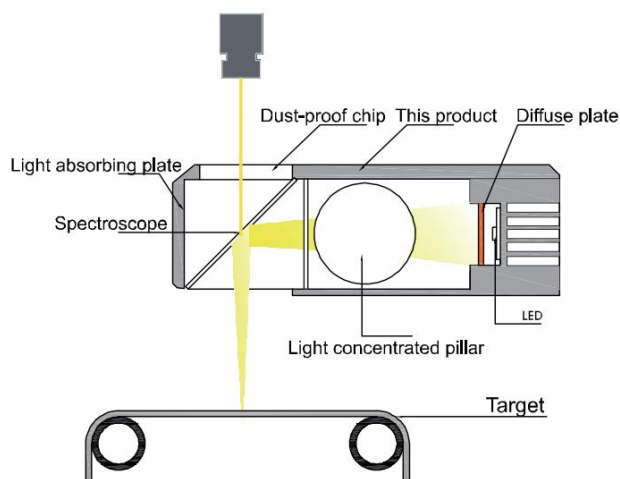
Features

- ◇ High intensity, large LED particles
- ◇ Different transmission rate diffuser plate and plastic film are optional to increase the uniformity of light.
- ◇ Adopted reflow soldering technology, easy installation, compact design
- ◇ Can be cut into any length
- ◇ Mold was designed in form, can be cut in any dimensions, good heat dissipation

Application Areas

- ◇ Inspect the general appearance of huge products
- ◇ Special for linear array camera
- ◇ Inspect large size LCD panel defect
- ◇ Inspect glass, paper, film

Illumination constructure



Selection Guide

NV	TLN	##	R/G/B/W
New vision	Coaxial Line scan light	Length of emitting area	Color

Technical Index

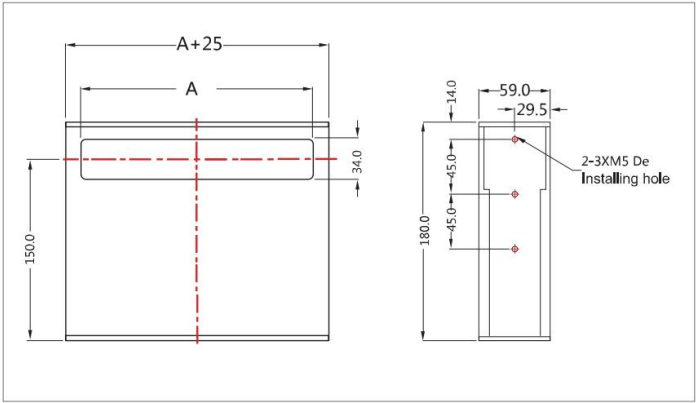
Color (Wavelength)	Red:620-630nm	Green:525-530nm	Blue:465-470nm
	White color temperature 6600-7000K	UV:365-395nm	IR:850/940nm
Operating environment	Temperature:0 to 50°C,Humidity:20% to 85% RH		
Life time	100,000hrs theoretical service time(Depends on the operating environment, not a guarantee.)		
Compatible Controller	Analog Controller, Digital Controller		
Optional Accessory	1. Fan		
	2. Optical control film, diffuse plane (Optional transmittance: 60%, 70%, 80%, 90%); Can make back light		
	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)		
Certificates	CE ROHS ISO9001 ISO14001		

Light parameters(voltage is 24V or 48V)

Mold	Model	Color (R/G/B/W)	Power(W)		Dimentions		Rows No.	Pic. No.
			Output 	Output 	Length of emitting area A	Width of emitting area B		
Coaxial line scan light	NV-TLN75-		10W	13.2W	75	34	3	1
	NV-TLN150-		20.3W	26.4W	141	34	3	
	NV-TLN200-		23.4W	29.3W	191	34	3	
	NV-TLN250-		33.6W	42.3W	241	34	3	
	NV-TLN350-		46.3W	56.2W	341	34	4	
	NV-TLN400-		60.6W	66.3W	391	34	4	
	NV-TLN525-		83.6w	91.4W	516	34	4	

We also have some other special models of coaxial line scan light, have better effect then ordinary coaxial line scan light. Please contact us if you need it.

Installation diagram



Applications

Bump detection for paper printing

◇ Model: NV-TLN350-W

◇ Because the area of the paper is relatively large, the detection speed is fast, and the surface of the material has metal reflective patterns or fonts, using the principle of coaxial very good removal of the reflector,highlight to solve the problem of speed, imaging will be solved.

