Natural cooling line scan light New

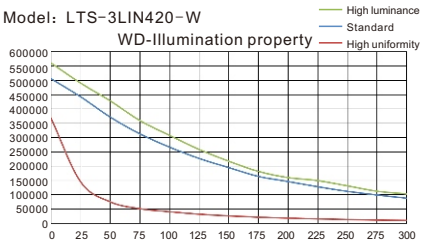
3LIN Series (Natural cooling)

- Use high power paste lamp, high luminance.
- Standard model add the optical film to improve the uniformity.
- Natural cooling with no fan, can customize different length you need.
- Use in the dusty environment, or where the Fan interfered the object.

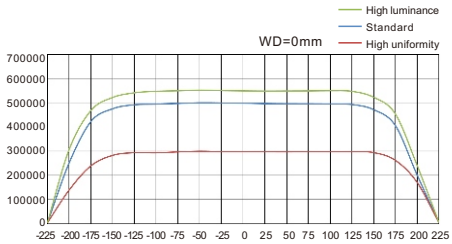
Applications	Cloth printing defect inspection/sticky label defect inspection/release paper protective film position inspection

Illumination property diagram

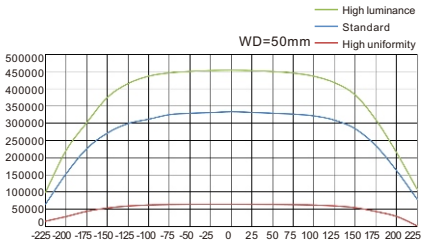
Model: LTS-3LIN420-W



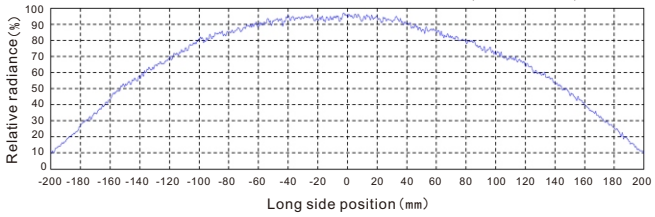
Lateral characteristic diagram



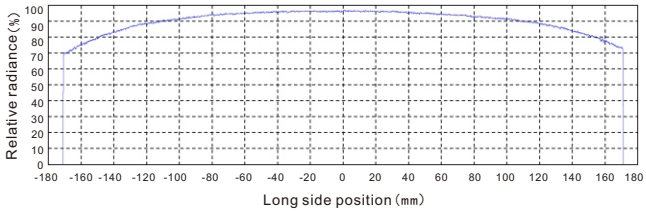
Lateral characteristic diagram



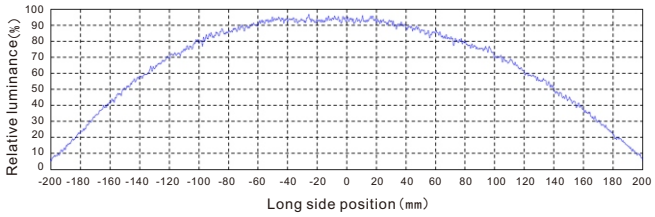
Distribution of Relative irradiance (Standard)



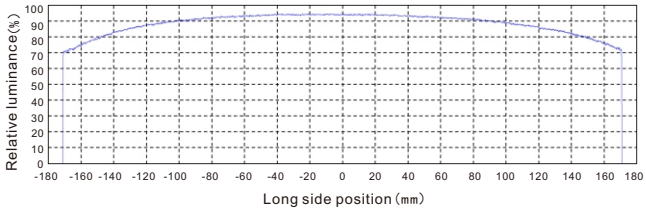
Distribution of Relative luminance (Standard)



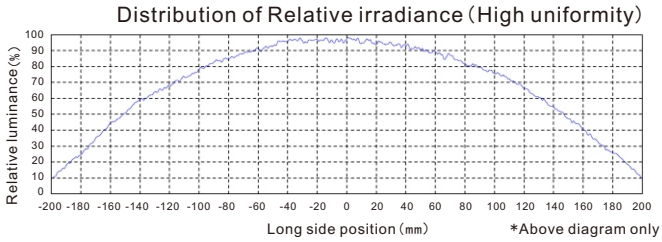
Distribution of Relative irradiance (High luminance)



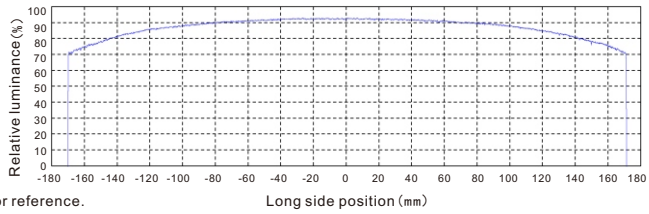
Distribution of Relative luminance (High luminance)



Distribution of Relative irradiance (High uniformity)

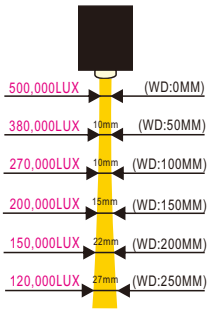


Distribution of Relative luminance (High uniformity)

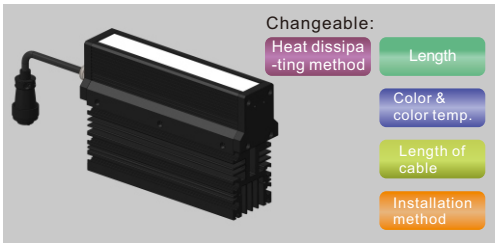


*Above diagram only for reference.

Effect of light spot<LTS-3LIN420-W>



Customized



Customized color | On-site technical support | Sample free rent service

http://www.lotsmv.com

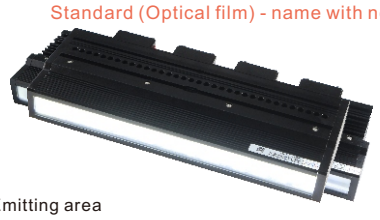
Natural cooling line scan light

3LIN Series

Three types for optional

Standard model for extensive applications, high uniformity model for bright FOV, and high luminance model for dark FOV.

Standard (Optical film) - name with no suffix



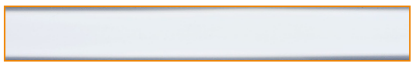
Emitting area

High luminance - name with N

Emitting area

High uniformity - name with F

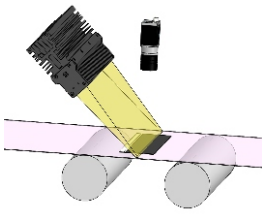
Emitting area



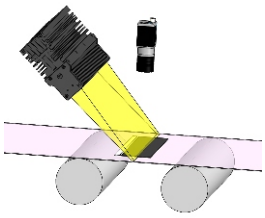
Applications

Diagram

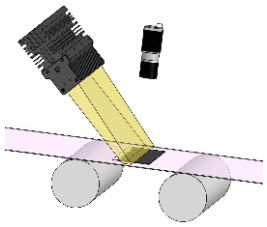
Standard (side emitting)



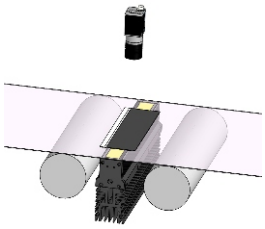
High luminance (side emitting)

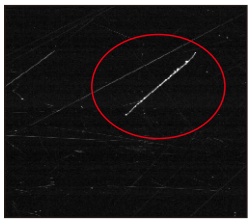
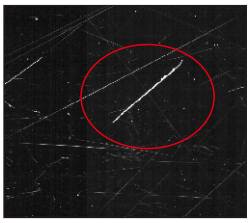
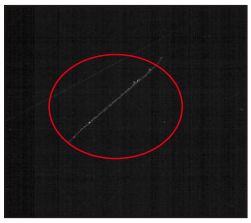
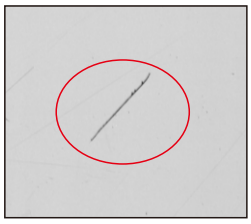
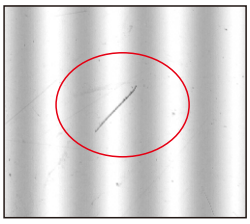
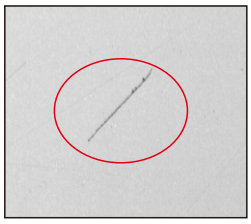
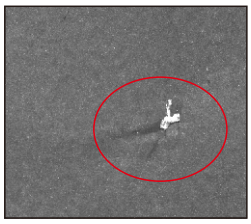
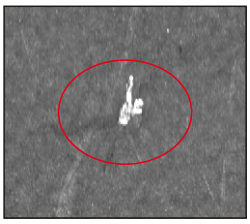
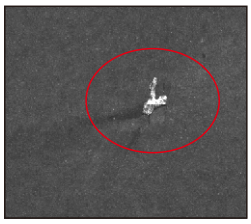
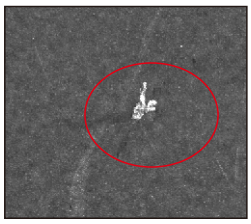
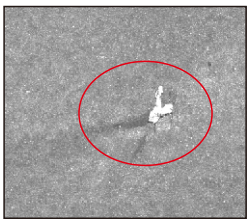
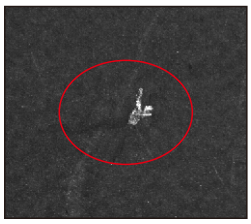


High uniformity (side emitting)



High uniformity (back emitting)

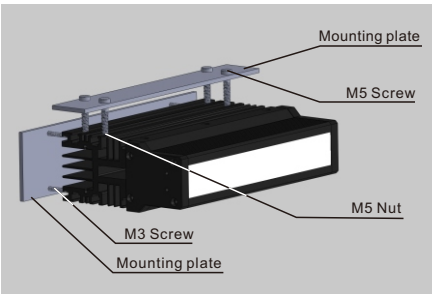


Workpiece photograph	Content	Workpiece	FOV	Standard	High luminance	High uniformity
	Scratch inspection	Mobile screen film	Dark FOV			
			Bright FOV			
	Defect inspection	Li battery cell film	Dark FOV			
			Bright FOV			

Natural cooling line scan light

3LIN Series

Installation method



Installation specification:1, undersurface lock to the device through mounting plate by M3 screw; 2, in flank, use the M5 screw go across the mounting plate, then put the M5 nut to screw groove and locked.

Coding Rule

LTS - 3LIN ## - R/G/B/W/IR/UV

- LTS → LOTS products
- 3LIN → Natural cooling line scan light
- ## → Overall length
- R/G/B/W/IR/UV → Color

Light Parameters

Product	Model	Voltage	Power	Color	High luminance	High uniformity	Weight	Heat dissipa-tion method	Adapted controller	Dimen-sion	Com-mon	Remark
Natural cooling line scan light	LTS-3LIN100	24V	14.4W	R G B W	-N (High luminance condensa-tion)	-F (High uniformity)	853 g	Natural cooling	High power constant current controller LTS-2APC (P152) High power constant voltage controller LTS-DPA (P155)	1	Y	Max 3 meter customized
	LTS-3LIN140	24V	21.6W	R G B W			1088 g			1	Y	
	LTS-3LIN180	24V	28.8W	R G B W			1324 g			1	Y	
	LTS-3LIN220	24V	36.0W	R G B W			1557 g			1	Y	
	LTS-3LIN260	24V	43.2W	R G B W			1794 g			1	Y	
	LTS-3LIN300	24V	50.4W	R G B W			2029 g			1	Y	
	LTS-3LIN340	24V	57.6W	R G B W			2264 g			1	Y	
	LTS-3LIN380	24V	64.8W	R G B W			2497 g			1	Y	
	LTS-3LIN420	24V	72.0W	R G B W			2733 g			1	Y	
	LTS-3LIN460	24V	79.2W	R G B W			2968 g			1	Y	
	LTS-3LIN500	24V	86.4W	R G B W			3204 g			1	Y	

* UV & IR light can be customized as required.
Peak wavelength / correlated color temp.Red : 620-630nm,Green : 525-530nm,Blue : 465-470nm,White : 6600K (Color temperature)

★ Model selection: ①Standard model with no suffix; ②High luminance model with N; ③High uniformity model with F.
Ex ...①Standard:LTS-3LIN300-W; ②High luminance: LTS-3LIN300-W-N; ③High uniformity:LTS-3LIN300-W-F.

★ 1) Operating environment:Temperature 0-50℃, Humidity 20-85% (Non-condensation)
2) Life-span:50000h (Reduce 50% luminance of factory default)
3) Value-added service:One year free technical support, sample free rent.

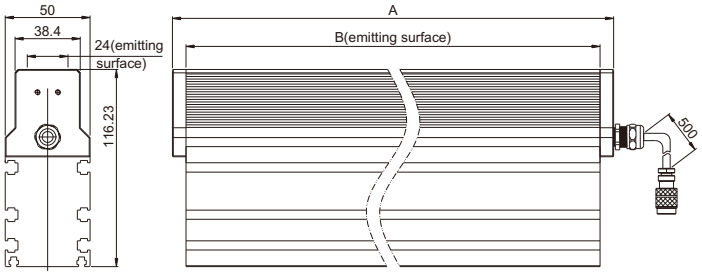
※ 1) PVC extension cable: High flexibility, bending resistance, high temperature resistance, apply to use inside of device.
2) High flexibility extension cable: harder and more abrasive resistance than PVC, apply to drag chain system production line.

PVC extension cable

High flexibility extension cable

Boundary dimension (mm)

1.LTS-3LIN##(100-500)



型号	A	B
LTS-3LIN100	100	84
LTS-3LIN140	140	124
LTS-3LIN180	180	164
LTS-3LIN220	220	204
LTS-3LIN260	260	244
LTS-3LIN300	300	284
LTS-3LIN340	340	324
LTS-3LIN380	380	364
LTS-3LIN420	420	404
LTS-3LIN460	460	444
LTS-3LIN500	500	484

Remark: M3 and M5 nut groove around for installation.