

# Coaxial Light

## 3COX Series

- ◆ Luminance up 50%.
- ◆ Compact, high cost-effective.
- ◆ Remove the double image effectively.
- ◆ Cover wire jacket, anti-pulls.
- ◆ Can add dust-proof mirror, dust-proof.

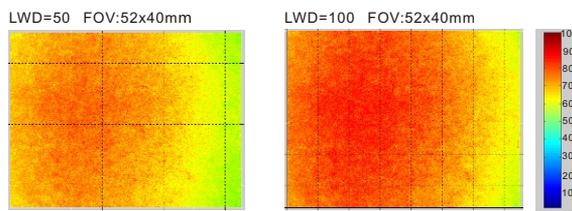
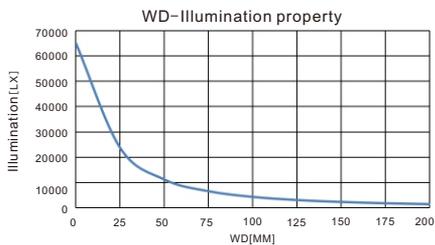


**Applications** The damage inspection of the chip, wafer/ the scratch of reflective surface / Bar code, QR code recognition/ printing, silk-screen inspection

Illumination property diagram

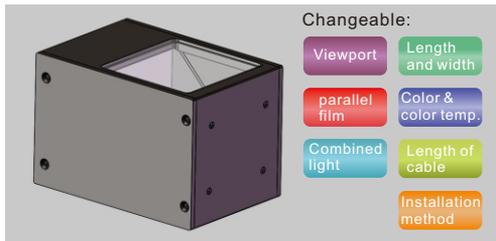
Uniformity (Relative irradiance)

Model:LTS-3COX50-W



\*Above diagram only for reference

### → Customized



### → Wire jacket



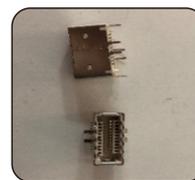
Cover wire jacket, anti-pulls.

### → Imaging instance:stitch inspection



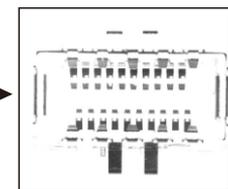
Content	stitch inspection
Workpiece	components
Light model	LTS-3COX40-W
Result	highlight stitch, obvious contrast

Workpiece photograph



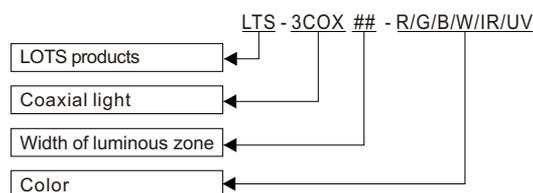
Stitch inspection

LTS-3COX40-W



Uniform imaging, obvious contrast between background and stitch.

### → Coding Rule



Line scan illumination	3LINH
	3LINL
Structured light	3LIN
	2LINS
Ring illumination	2LIN
	2COXL
Shadowless illumination	2LINM
	SDL
Bar illumination	STL
	RN
Coaxial illumination	RNH
	SRN
Multi-angle illumination	HPR
	FPR
Back illumination	DML
	LFR
Waterproof illumination	3DM
	2DM
Infrared light	LFX
	FPQ
Ultraviolet light	RIH
	DL
Customized	3BRH
	2BR
Controller	2BRS
	2BRM
Lenses	3COH
	3CON
Area scan	COXR
	3COX
Line scan	COPA
	HSL
Line scan	2SL
	SL
Line scan	RNMU
	AOI
Line scan	2FTB/2FTR
	FTC
Line scan	2FT/3FT
	2PFT/3PFT
Line scan	LIP
	IP
Line scan	IR
	UV
Line scan	Customized
	Customized
Line scan	PS
	PD
Line scan	2DRC
	3STU
Line scan	APC
	DPC
Line scan	2APC
	DPA
Line scan	2ACC
	2DPC



# Coaxial Light 3COX Series

3LINH	Line scan illumination	
3LINL		
3LIN		
2LINS		
2LIN		
2COXL		
2LINM		
SDL		
STL		Structured light
RN		
RNH		
SRN		
HPR		
FPR	Ring illumination	
DML		
LFR		
3DM		
2DM		
LFX		
FPQ		
RIH		
DL		
3BRH		Shadowless illumination
2BR		
2BRS		
2BRM		
3COH		
3CON	Bar illumination	
COXR		
3COX		
COPA		
HSL		
2SL	Coaxial illumination	
SL		
RNMU		Multi-angle illumination
AOI		
2FTB/ 2FTR		
FTC		
2FT/ 3FT		
2PFT/ 3PFT	Back illumination	
LIP		
IP		
IR		
UV		
Customized	Waterproof illumination	
PS		
PD		
2DRC		
3STU		
APC	Infrared light	
DPC		
2APC		
DPA		
2ACC		
2DPC	Ultraviolet light	
Area scan		
Line scan		
Lenses		
Controller		

## → Light parameters

Product	Model	Voltage	Power	Color	Peak wavelength / color temperature	Weight	Option	Adapted controller	Dimension	Common	Remark
Coaxial light	LTS-3COX20	24V	0.8W	R	Red: 620-630nm Green: 525-530nm Blue: 465-470nm White: 6600K (color temperature)	47 g	-	Strobe controller (P146) Analog controller (P152) Digital controller (P159)	1	Y	
			0.8W	G B W							
	LTS-3COX30	24V	1.5W	R							
			2.2W	G B W							
	LTS-3COX40	24V	2.2W	R							
			2.6W	G B W							
	LTS-3COX50	24V	3.6W	R							
			5.4W	G B W							
	LTS-3COX60	24V	4.4W	R							
			7.2W	G B W							
	LTS-3COX80	24V	7.6W	R							
			12.6W	G B W							
LTS-3COX100	24V	12.3W	R								
		18.4W	G B W								
LTS-3COX120	24V	15.2W	R								
		25.2W	G B W								

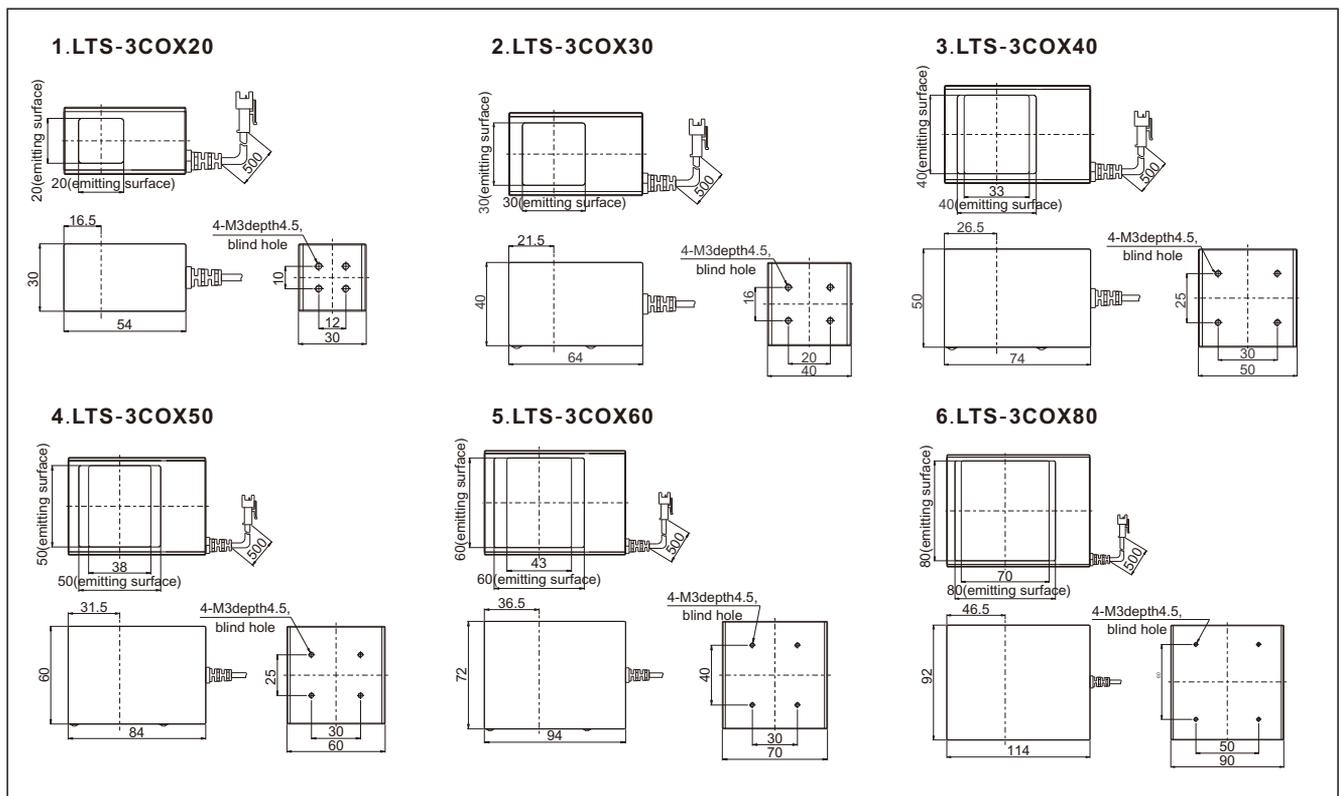
\* UV & IR light can be customized as required.

- ★ 1) Operating environment: Temperature 0-50°C, 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.



## → Boundary dimension (mm)



<http://www.lotsmv.com>

Customized color

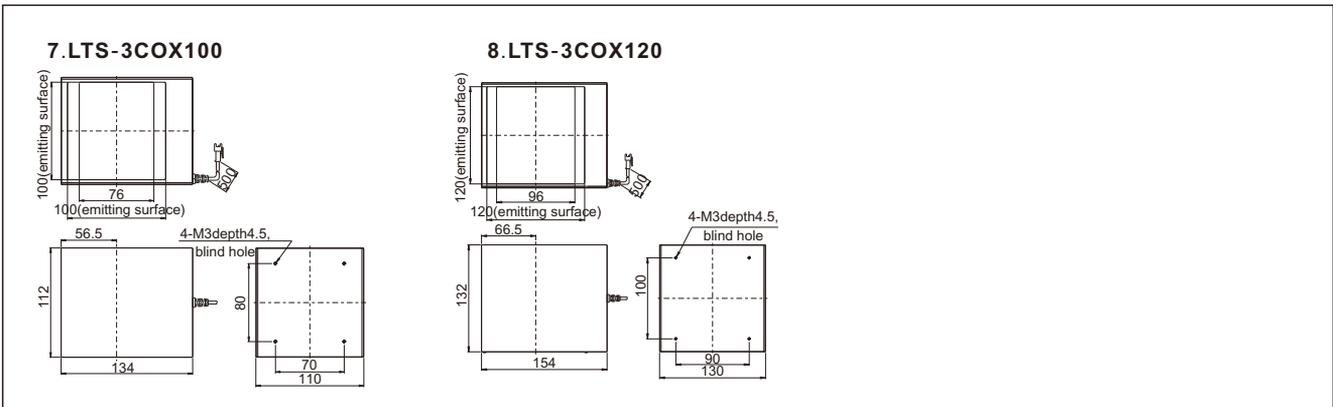
On-site technical support

Sample free rent service

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Lenses	Area scan
	Line scan

Customized color

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