

# Collimated Collector Light

## HSL Series



- ◆ High luminance, concentrated light, good parallelism.
- ◆ Apply to long-distance inspection.
- ◆ Durable steady structure, high heat dispersion performance.

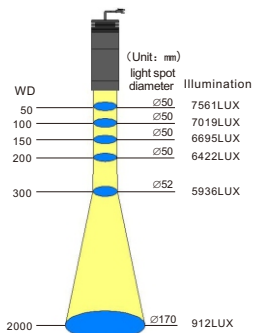
### Applications

PCB printed character inspection / the surface scratch inspection/ edge contour inspection/ Mark position inspection

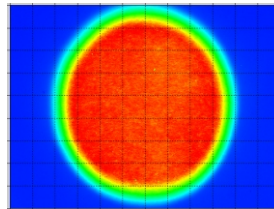
### Illumination property diagram

### Uniformity (Relative irradiance)

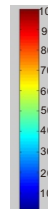
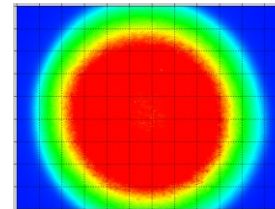
Model: LTS-HSL15058-W



LWD=230 FOV: 40x55mm



LWD=330 FOV: 40x55mm

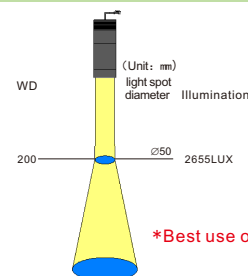


\*Above diagram only for reference.

### → Customized



### → Effect of light spot<LTS-HSL14861-G>



\*Best use of working distance 200 mm.

### → Imaging instance: dead pixel inspection



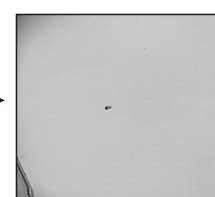
Content	dead pixel inspection
Workpiece	transparent glass
Light model	LTS-HSL15058-W
Result	black dead pixel extracted

### ■ Workpiece photograph



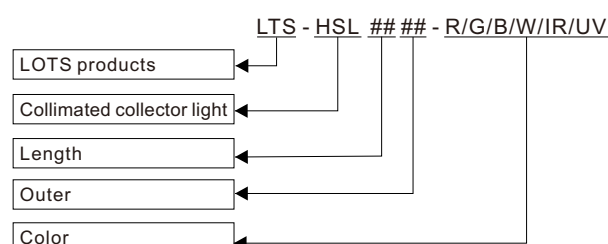
Dead pixel inspection

### ■ LTS-HSL15058-W



Direct emitting to camera, white is background, black is dead pixel.

### → Coding rule



<http://www.lotsmv.com>

Customized color













On-site technical support

Sample free rent service

# Collimated Collector Light

## HSL Series

### → Light parameters

Product	Model	Voltage	Color	Peak wavelength / color temperature	Weight	Option	Adapted controller	Dimen-sion	Com-mon	Remark
Collimated collector light	LTS-HSL11070	3W		Red: 620~630nm Green: 525~530nm Blue: 465~470nm White: 6600K (color temperature)	328 g	—	Constant current controller (P157)	1	N	
		3W	  		416 g			2	Y	
	LTS-HSL15058	3W	  							
		10W								
	LTS-HSL14861	3W	  							
		3W								
* UV & IR light can be customized as required.										

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

- ★ 1) Operating environment: Temperature 0~50°C, Humidity 20~85% (Non-condensation)

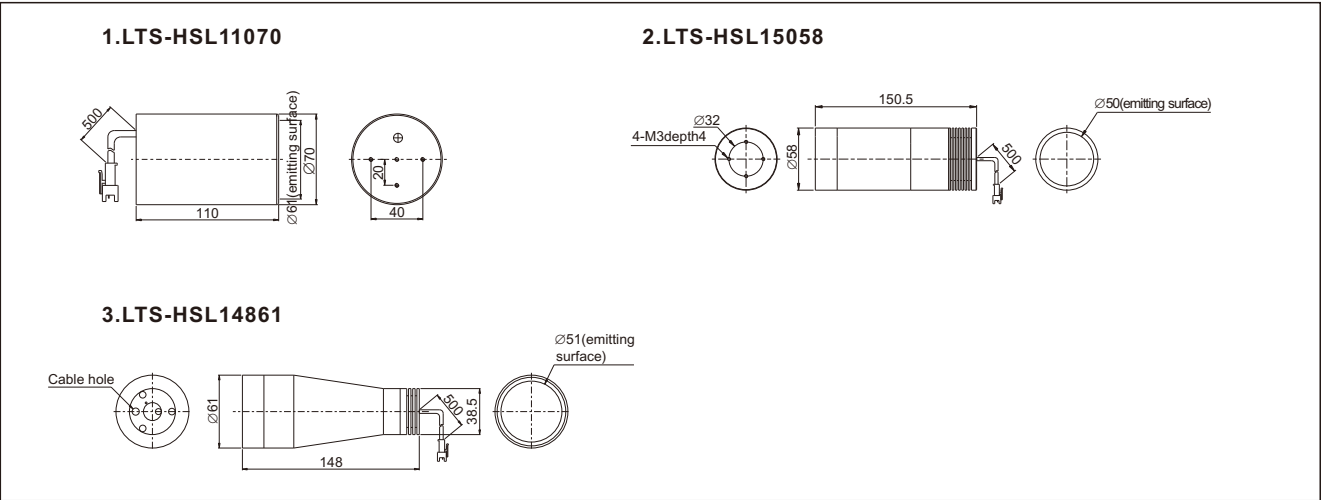
2) Life-span: 50000h(Reduce 50% luminance of factory default)

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)



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