

High Luminance Bar Light

2BR Series

- ◆ Small angle LED array design, high luminance.
- ◆ Processed by high precision mould, shorten the difference between different batch, high heat transmitting performance.
- ◆ Multiple installation method, easy to install.
- ◆ Different transmittance diffuser plate optional.



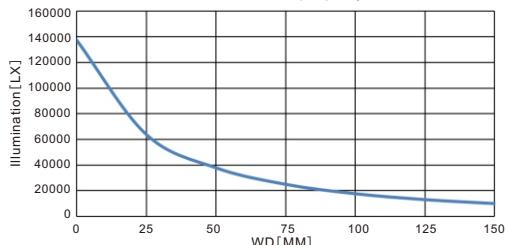
Applications

Big size LCD panel defect inspection / metal surface defect inspection / printing character defect inspection / connector pin flatness inspection

Illumination property diagram

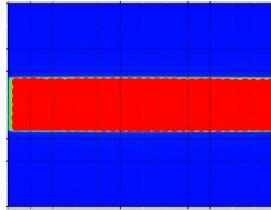
Model: LTS-2BR15030-W

WD-Illumination property

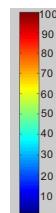
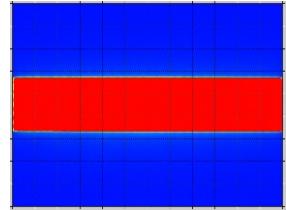


Uniformity (Relative irradiance)

Dark FOV: 150x112mm

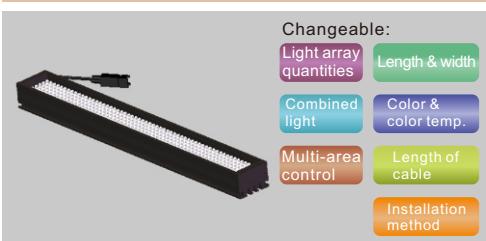


High luminance FOV: 150x112mm



*Above diagram only for reference.

→ Customized



- Changeable:
- Light array quantities
 - Length & width
 - Combined light
 - Color & color temp.
 - Multi-area control
 - Length of cable
 - Installation method

→ Wire jacket

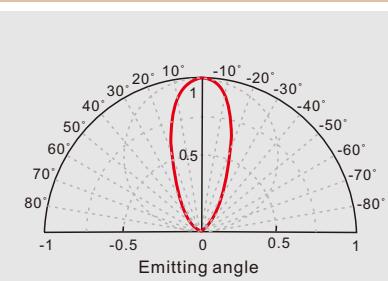


Cover wire jacket, anti-pulls

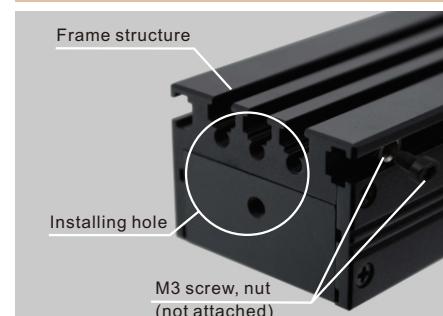
→ LED direction



→ Emitting angle

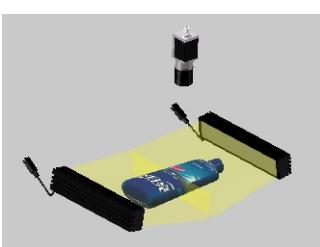


→ Multiple installation method



Installing position adopt frame structure and keep the intrinsic installing hole. Can be installed according to the environment.

→ Imaging instance: outlook character inspection



Content	outlook character inspection
Workpiece	plastic products
Light model	LTS-2BR17530-W
Result	character printing information extracted

■ Workpiece photograph



Outlook character inspection

■ LTS-2BR17530-W 2 pcs



Obvious contrast, printing defect inspection.

Customized color

On-site technical support

Sample free rent service



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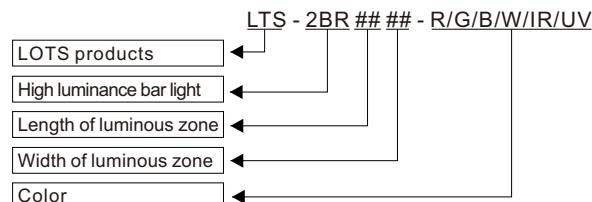
3LINH	Line scan illumination
3LINL	
3LIN	
2LINS	
2LIR	
2COXL	
2LNM	
SDL	
STL	Ring illumination
RN	Structured light
RNH	
SRN	
HPR	
FPR	
DML	
LFR	
3DM	
2DM	
LFX	
FPQ	
RIH	
DL	
3BRH	Bar illumination
2BR	
2BRS	
2BRM	
3COH	
3CON	Coaxial illumination
COXR	
3COX	
COPA	
HSL	
2SL	
SL	
RNMU	
AOI	
2FTB/2FTR	Mult-angle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

High Luminance Bar Light

2BR Series

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

→ Coding rule



→ Light parameters

Product	Model	Voltage	Power	Color	Peak wavelength / color temperature	Weight	Option	Adapted controller	Dimen-sion	Com-mon	Remark
High luminance bar light	LTS-2BR3016	24V	0.5W 0.7W	R G B W	Red: 620~630nm Green: 525~530nm Blue: 465~470nm White: 6600K (color temperature)	53 g	Analog controller (P152) Digital controller (P159) High power controller (P152)	1	Y	16mm	
	LTS-2BR6016	24V	1.0W 1.4W	R G B W		80 g		1	Y		
	LTS-2BR9016	24V	1.4W 2.2W	R G B W		105 g		1	Y		
	LTS-2BR12016	24V	1.9W 2.9W	R G B W		132 g		1	Y		
	LTS-2BR15016	24V	2.4W 3.6W	R G B W		158 g		1	Y		
	LTS-2BR18016	24V	2.9W 4.3W	R G B W		176 g		1	Y		
	LTS-2BR21016	24V	3.4W 5.0W	R G B W		207 g		1	Y		
	LTS-2BR24016	24V	3.8W 5.8W	R G B W		235 g	Diffuser plate	1	Y		
	LTS-2BR27016	24V	4.3W 6.5W	R G B W		264 g		1	Y		
	LTS-2BR30016	24V	4.8W 7.2W	R G B W		295 g	Polarizing plate	1	Y		
	LTS-2BR33016	24V	5.3W 7.9W	R G B W		315 g		1	Y		
	LTS-2BR36016	24V	5.8W 8.6W	R G B W		354 g		1	Y		
	LTS-2BR39016	24V	6.2W 9.4W	R G B W		368 g		1	Y		
	LTS-2BR42016	24V	6.7W 10.1W	R G B W		398 g		1	Y		
	LTS-2BR45016	24V	7.2W 10.8W	R G B W		426 g		1	Y		
	LTS-2BR48016	24V	7.7W 11.5W	R G B W		457 g		1	Y		
	LTS-2BR51016	24V	8.2W 12.2W	R G B W		468 g		1	Y		

* UV & IR light can be customized as required.

→ Option



Diffuser plate
To improve the lamp shadow and glare light in the imaging of reflect workpiece.



Polarizing plate
Used with polarized lens to remove the dazzle light from out of flatness surface and reflect light.



<http://www.lotsmv.com>

Customized color

On-site technical support

Sample free rent service

High Luminance Bar Light

2BR Series

→ Light parameters

Product	Model	Voltage	Power	Color	Peak wavelength / color temperature	Weight	Option	Adapted controller	Dimension	Common	Remark	Line scan illumination
High luminance bar light	LTS-2BR2530	24V	0.7W	R	Red: 620~630nm Green: 525~530nm Blue: 465~470nm White: 6600K (color temperature)	69 g	Diffuser plate Polarizing plate	Analog controller (P152) Digital controller (P159) High power controller (P152)	2	Y	30mm	3LINH
			1.2W	G B W								3LINL
	LTS-2BR5030	24V	1.4W	R								3LIN
			2.4W	G B W								2LINS
	LTS-2BR7530	24V	2.2W	R								2LIN
			3.6W	G B W								2COXL
	LTS-2BR10030	24V	2.9W	R								2LINM
			4.8W	G B W								SDL
	LTS-2BR12530	24V	3.6W	R								STL
			6.0W	G B W								RN
	LTS-2BR15030	24V	4.3W	R								RNH
			7.2W	G B W								SRN
	LTS-2BR17530	24V	5.0W	R								HPR
			8.4W	G B W								FPR
	LTS-2BR20030	24V	5.8W	R								DML
			9.6W	G B W								LFR
	LTS-2BR22530	24V	6.5W	R								3DM
			10.8W	G B W								2DM
	LTS-2BR25030	24V	7.2W	R								LFX
			12.0W	G B W								FPQ
	LTS-2BR27530	24V	7.9W	R								RIH
			13.2W	G B W								DL
	LTS-2BR30030	24V	8.6W	R								3BRH
			14.4W	G B W								2BR
	LTS-2BR32530	24V	9.4W	R								2BRS
			15.6W	G B W								2BRM
	LTS-2BR35030	24V	10.1W	R								3COH
			16.8W	G B W								3CON
	LTS-2BR37530	24V	10.8W	R								COKR
			18.0W	G B W								3COX
	LTS-2BR40030	24V	11.5W	R								COPA
			19.2W	G B W								HSL
	LTS-2BR42530	24V	12.2W	R								2SL
			20.4W	G B W								SL
	LTS-2BR45030	24V	13.0W	R								AOI
			21.6W	G B W								2FTB/2FTR
	LTS-2BR47530	24V	13.7W	R								FTC
			22.8W	G B W								2FTF/3FT
	LTS-2BR50030	24V	14.4W	R								2PFT/3PFT
			24.0W	G B W								LIP
	LTS-2BR3830	24V	1.0W	R								IP
			1.9W	G B W								IR
	LTS-2BR60030	24V	17.3W	R								UV
			28.8W	G B W								Customized
	LTS-2BR90030	24V	25.9W	R								Customized
			43.2W	G B W								PS
	LTS-2BR97030	24V	31.2W	R								PD
			46.8W	G B W								2DRC
	LTS-2BR100030	24V	28.8W	R								3STU
			48.0W	G B W								APC
	LTS-2BR120030	24V	34.6W	R								DPC
			57.6W	G B W								2APC
	LTS-2BR180030	24V	51.9W	R								DPA
			86.4W	G B W								2ACC
												2DPC
* 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)

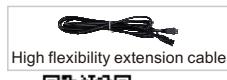
3) Value-added service: One year free technical support, sample free rent

※ 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.



PVC extension cable



High flexibility extension cable

Customized color

On-site technical support

Sample free rent service



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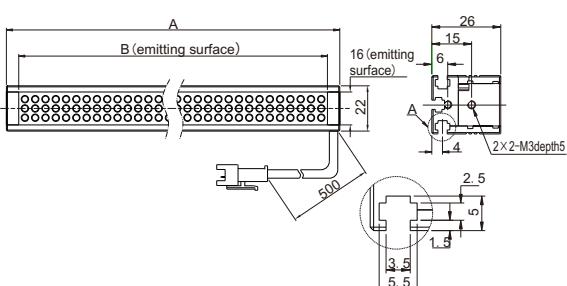
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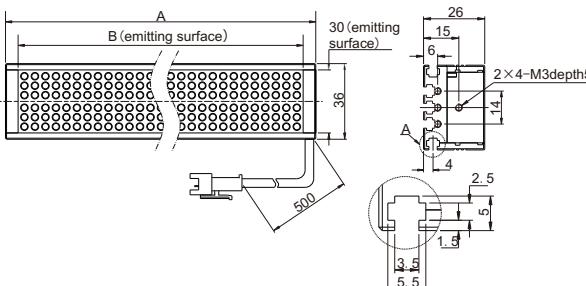
3LINH	
3LNL	
3LIN	
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2COXL	
2LINM	
SDL	Line scan illumination
STL	Structured light
RN	
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DML	
LFR	
3DM	
2DM	
LFX	
FPQ	
RIH	
DL	
3BRH	
2BR	
2BRS	
2BRM	
3COH	
3CON	
COXR	
3COX	
COPA	
HSL	
2SL	
SL	
RNMU	
AOI	Multic-angle illumination
2FTB/2FTR	
FTC	
2FT/3FT	
2PFT/3PFT	
LIP	
IP	Waterproof illumination
IR	Infrared light
UV	Ultraviolet light
Customezd	Customezd light
PS	
PD	
2DRC	
3STU	
APC	
DPC	
2APC	
DPA	
2ACC	
2DPC	
Area scan	
Line scan	Lenses

→ Boundary dimension(mm)

1.LTS-2BR##16(##=B)



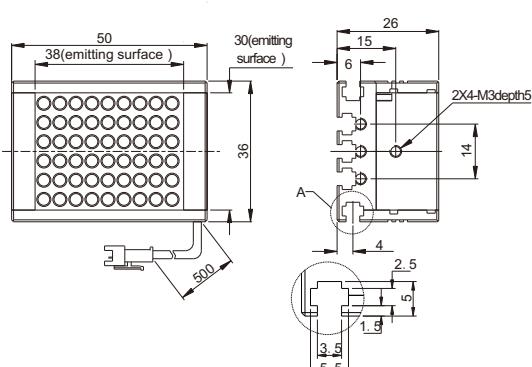
2.LTS-2BR##30(##=B)



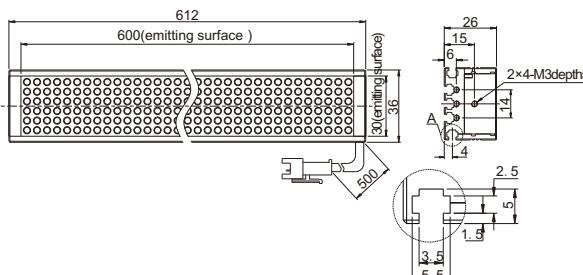
Model	A	B
LTS-2BR3016	42	30
LTS-2BR6016	72	60
LTS-2BR9016	102	90
LTS-2BR12016	132	120
LTS-2BR15016	162	150
LTS-2BR18016	192	180
LTS-2BR21016	222	210
LTS-2BR24016	252	240
LTS-2BR27016	282	270
LTS-2BR30016	312	300
LTS-2BR33016	342	330
LTS-2BR36016	372	360
LTS-2BR39016	402	390
LTS-2BR42016	432	420
LTS-2BR45016	462	450
LTS-2BR48016	492	480
LTS-2BR51016	522	510

Model	A	B
LTS-2BR2530	37	25
LTS-2BR5030	62	50
LTS-2BR7530	87	75
LTS-2BR10030	112	100
LTS-2BR12530	137	125
LTS-2BR15030	162	150
LTS-2BR17530	187	175
LTS-2BR20030	212	200
LTS-2BR22530	237	225
LTS-2BR25030	262	250
LTS-2BR27530	287	275
LTS-2BR30030	312	300
LTS-2BR32530	337	325
LTS-2BR35030	362	350
LTS-2BR37530	387	375
LTS-2BR40030	412	400
LTS-2BR42530	437	425
LTS-2BR45030	462	450
LTS-2BR47530	487	475
LTS-2BR50030	512	500

3.LTS-2BR3830



4.LTS-2BR60030



<http://www.lotsmv.com>

Customized color

On-site technical support

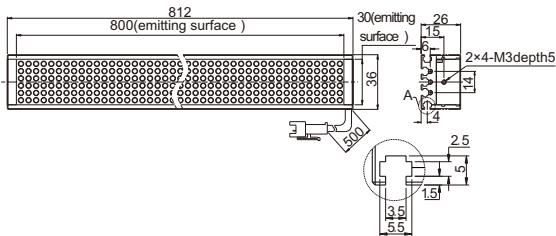
Sample free rent service

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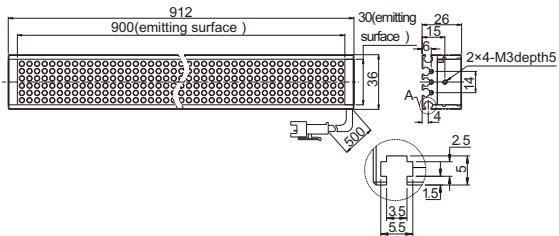
2BR Series

→ Boundary dimension(mm)

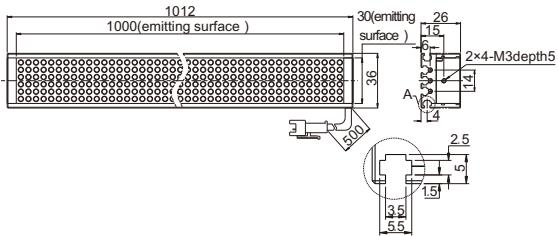
5.LTS-2BR80030



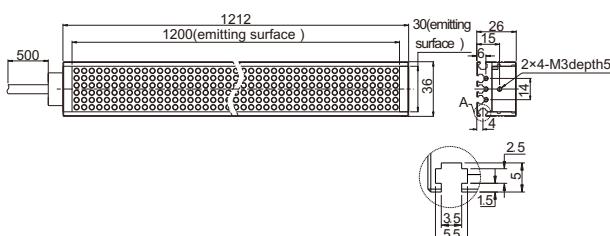
6.LTS-2BR90030



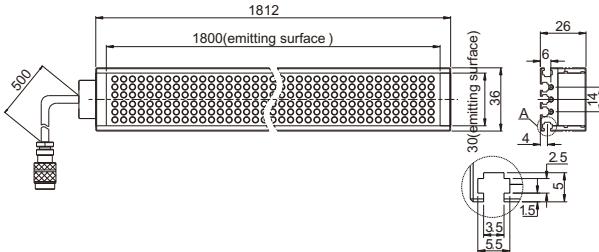
7.LTS-2BR100030



8.LTS-2BR120030



9.LTS-2BR180030



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

Customized color

On-site technical support

Sample free rent service



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