

High luminance bar light (2BR)

LS-2BR series · Bar lights · 45 models

High luminance bar light with a small-angle LED array; parts made with high-precision moulds reduce batch-to-batch differences, with high heat-dissipation performance, multiple installation methods and optional diffuser plates of different transmittance.

Features

- Small-angle LED array design, high luminance
- Made with high-precision moulds, smaller difference between batches, high heat-dissipation performance
- Multiple installation methods, easy to install: frame structure keeps the built-in installing holes, M3 screw and nut (not attached)
- Different transmittance diffuser plates optional
- Small-angle plug-in type LEDs
- Options: diffuser plate (reduces lamp shadow and glare on reflective workpieces); polarizing plate (used with a polarized lens to remove glare from uneven surfaces and reflected light)
- Wire jacket covers the cable exit, anti-pull
- Customizable: Light array quantities, Length & width, Combined light, Colour & colour temperature, Multi-area control, Cable length, Installation method
- UV & IR versions can be customized as required

Applications

- Large LCD panel defect inspection
- Metal surface defect inspection
- Printed character defect inspection
- Connector pin flatness inspection
- Imaging example: outlook (printed) character inspection on plastic products with 2 pcs LS-2BR17530-W, obvious contrast for printing defect inspection



Colours

R	620-630 nm
G	525-530 nm
B	465-470 nm
W	6600 K

Common specifications

Voltage	24 V
Colour temperature of white	6600 K
Option	Diffuser plate; polarizing plate
Cable length (drawing)	500 mm
Emitting length	B = A - 12
Operating temperature	0-50 °C
Operating humidity	20-85% (non-condensing)
Life-span	50000 h (to 50% of factory default luminance)
Adapted controllers	Analog controller, digital controller, high power controller
Extension cable options	PVC extension cable (high flexibility, bending and high-temperature resistant, for use inside equipment); high-flexibility extension cable (harder, more abrasion resistant, for drag-chain production lines)

Ordering code: LS-2BR####-R/G/B/W/IR/UV (first ## = length of luminous zone, second ## = width of luminous zone; last field = colour)

Models

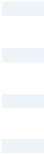
Model	Power (R)	Power (G/B/W)	Weight	Common model	Dimension drawing no.	Luminous surface width (mm)	Light array quantities
LS-2BR3016 colours: R, G, B, W	0.5W	0.7W	53 g	Y	1	16	3
LS-2BR6016 colours: R, G, B, W	1.0W	1.4W	80 g	Y	1	16	3
LS-2BR9016 colours: R, G, B, W	1.4W	2.2W	105 g	Y	1	16	3
LS-2BR12016 colours: R, G, B, W	1.9W	2.9W	132 g	Y	1	16	3
LS-2BR15016 colours: R, G, B, W	2.4W	3.6W	158 g	Y	1	16	3
LS-2BR18016 colours: R, G, B, W	2.9W	4.3W	176 g	Y	1	16	3
LS-2BR21016 colours: R, G, B, W	3.4W	5.0W	207 g	Y	1	16	3
LS-2BR24016 colours: R, G, B, W	3.8W	5.8W	235 g	Y	1	16	3
LS-2BR27016 colours: R, G, B, W	4.3W	6.5W	264 g	Y	1	16	3
LS-2BR30016 colours: R, G, B, W	4.8W	7.2W	295 g	Y	1	16	3
LS-2BR33016 colours: R, G, B, W	5.3W	7.9W	315 g	Y	1	16	3
LS-2BR36016 colours: R, G, B, W	5.8W	8.6W	354 g	Y	1	16	3
LS-2BR39016 colours: R, G, B, W	6.2W	9.4W	368 g	Y	1	16	3
LS-2BR42016 colours: R, G, B, W	6.7W	10.1W	398 g	Y	1	16	3
LS-2BR45016 colours: R, G, B, W	7.2W	10.8W	426 g	Y	1	16	3
LS-2BR48016 colours: R, G, B, W	7.7W	11.5W	457 g	Y	1	16	3
LS-2BR51016 colours: R, G, B, W	8.2W	12.2W	468 g	Y	1	16	3

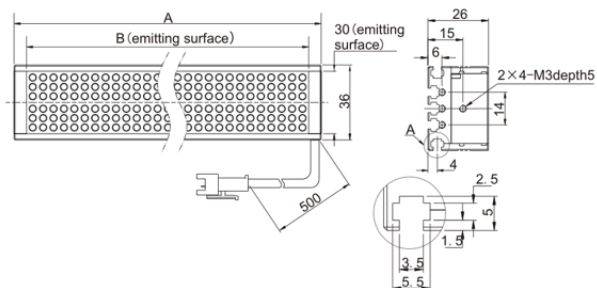
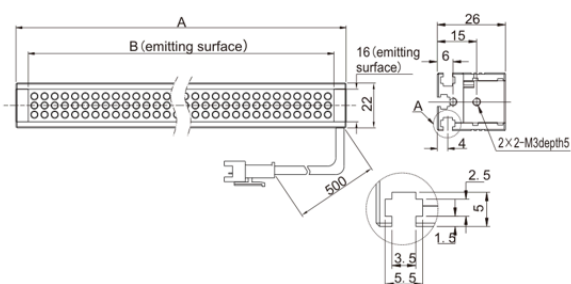
LS-2BR2530 colours: R, G, B, W	0.7W	1.2W	69 g	Y	2	30	6
LS-2BR5030 colours: R, G, B, W	1.4W	2.4W	103 g	Y	2	30	6
LS-2BR7530 colours: R, G, B, W	2.2W	3.6W	134 g	Y	2	30	6
LS-2BR10030 colours: R, G, B, W	2.9W	4.8W	166 g	Y	2	30	6
LS-2BR12530 colours: R, G, B, W	3.6W	6.0W	200 g	Y	2	30	6
LS-2BR15030 colours: R, G, B, W	4.3W	7.2W	229 g	Y	2	30	6
LS-2BR17530 colours: R, G, B, W	5.0W	8.4W	262 g	Y	2	30	6
LS-2BR20030 colours: R, G, B, W	5.8W	9.6W	292 g	Y	2	30	6
LS-2BR22530 colours: R, G, B, W	6.5W	10.8W	322 g	Y	2	30	6
LS-2BR25030 colours: R, G, B, W	7.2W	12.0W	367 g	Y	2	30	6
LS-2BR27530 colours: R, G, B, W	7.9W	13.2W	406 g	Y	2	30	6
LS-2BR30030 colours: R, G, B, W	8.6W	14.4W	446 g	Y	2	30	6
LS-2BR32530 colours: R, G, B, W	9.4W	15.6W	471 g	Y	2	30	6
LS-2BR35030 colours: R, G, B, W	10.1W	16.8W	511 g	Y	2	30	6
LS-2BR37530 colours: R, G, B, W	10.8W	18.0W	528 g	Y	2	30	6
LS-2BR40030 colours: R, G, B, W	11.5W	19.2W	584 g	Y	2	30	6
LS-2BR42530 colours: R, G, B, W	12.2W	20.4W	609 g	Y	2	30	6
LS-2BR45030 colours: R, G, B, W	13.0W	21.6W	646 g	Y	2	30	6
LS-2BR47530 colours: R, G, B, W	13.7W	22.8W	689 g	Y	3	30	6

LS-2BR50030 colours: R, G, B, W	14.4W	24.0W	728 g	Y	2	30	6
LS-2BR3830 colours: R, G, B, W	1.0W	1.9W	84 g	N	3	30	6
LS-2BR60030 colours: R, G, B, W	17.3W	28.8W	828 g	N	4	30	6
LS-2BR90030 colours: R, G, B, W	25.9W	43.2W	866 g	N	5	30	6
LS-2BR97030 colours: R, G, B, W	31.2W	46.8W	1407 g	N	6	30	6
LS-2BR100030 colours: R, G, B, W	28.8W	48.0W	1551 g	N	7	30	6
LS-2BR120030 colours: R, G, B, W	34.6W	57.6W	1842 g	N	8	30	6
LS-2BR180030 colours: R, G, B, W	51.9W	86.4W	2831 g	N	9	30	6
LS-2BR80030	-	-	-	-	5	30	-

More values per model (Remark, Dimension A (mm), Emitting length B (mm)) are on each product page.

Dimensions

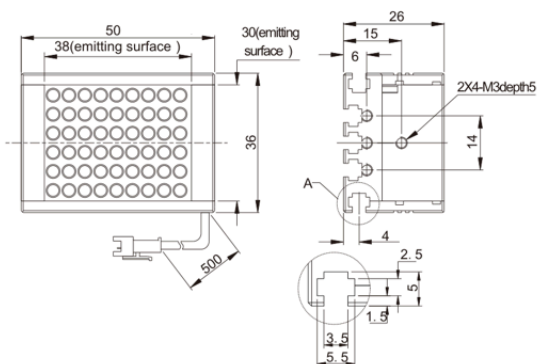




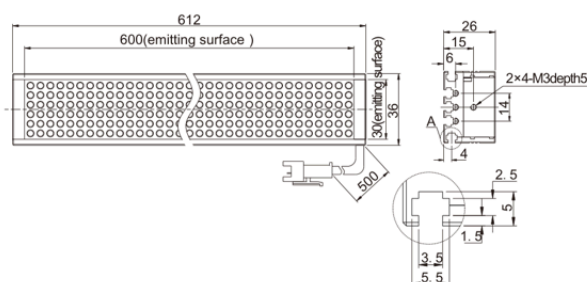
Model	A	B
LS-2BR3016	42	30
LS-2BR6016	72	60
LS-2BR9016	102	90
LS-2BR12016	132	120
LS-2BR15016	162	150
LS-2BR18016	192	180
LS-2BR21016	222	210
LS-2BR24016	252	240
LS-2BR27016	282	270
LS-2BR30016	312	300
LS-2BR33016	342	330
LS-2BR36016	372	360
LS-2BR39016	402	390
LS-2BR42016	432	420
LS-2BR45016	462	450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

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

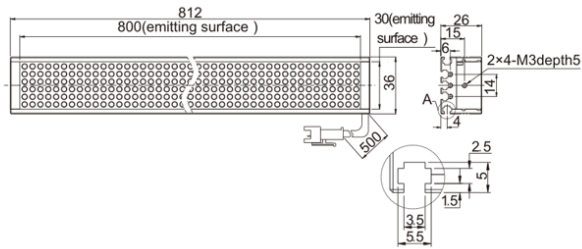
3.LS-2BR3830



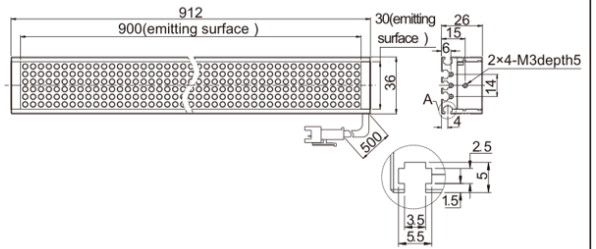
4.LS-2BR60030



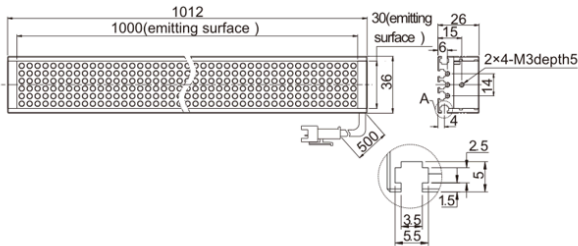
5.LS-2BR80030



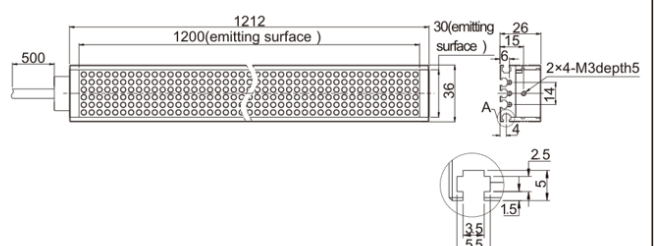
6.LS-2BR90030



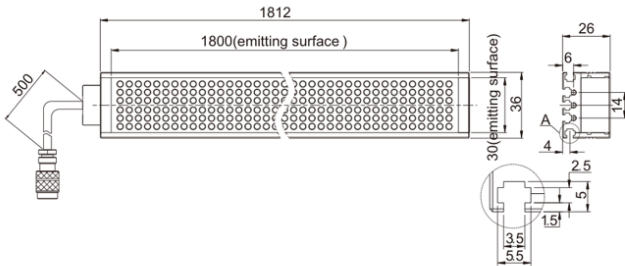
7.LS-2BR100030



8.LS-2BR120030

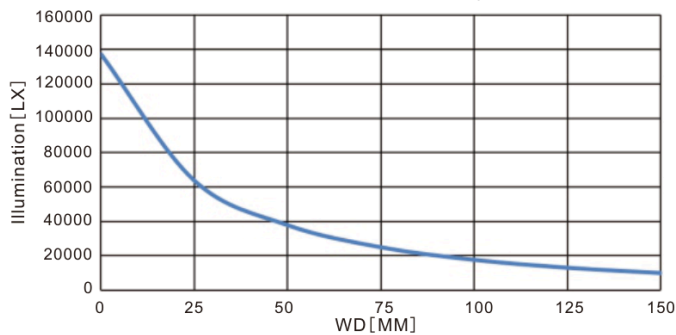


9.LS-2BR180030

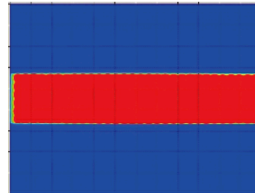


Performance

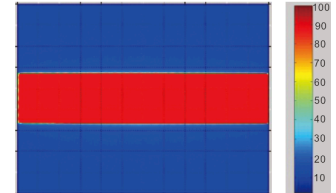
WD-Illumination property

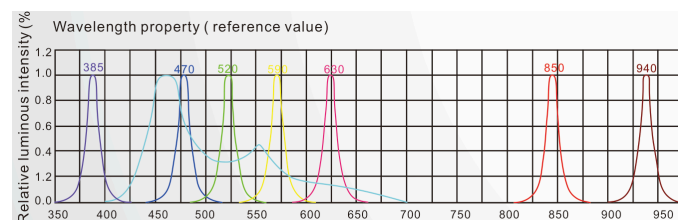
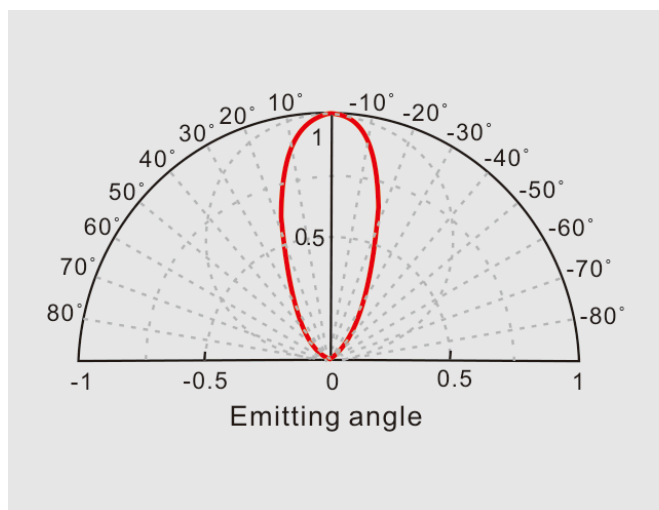


Dark FOV: 150x112mm



High luminance FOV: 150x112mm





Product views

