

High uniformity bar light (2BRS)

LS-2BRS series · Bar lights · 40 models



High uniformity bar light with a wide-angle LED array and high luminance; 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

- Wide-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
- Wide-angle surface-mount (paste) LEDs behind a high-diffusivity diffuser (transmittance optional)
- 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

- Metal surface defect inspection
- Printed character defect inspection
- Edge defect inspection
- Imaging example: keyboard character inspection on plastic products (LS-2BRS30030-W; result image captioned LS-2BR17530-W 2 pcs), high uniformity white background highlights black characters

Colours

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

Common specifications

Voltage	24 V
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Colour temperature of white	6600 K
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-2BRS####-R/G/B/W/IR/UV (first ## = length of luminous zone, second ## = width of luminous zone; last field = colour)

Models

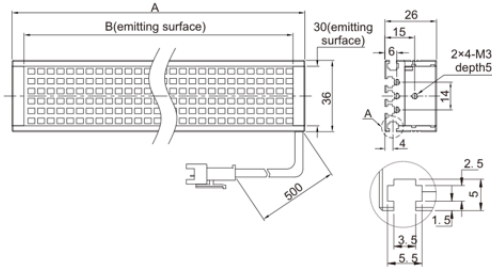
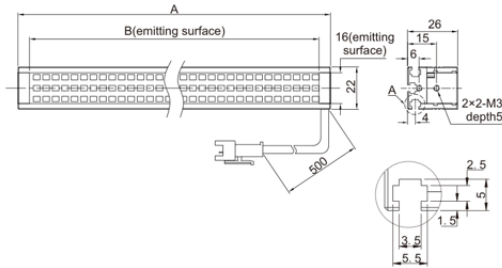
Model	Power (R)	Power (G/B/W)	Weight	Common model	Dimension drawing no.	Luminous surface width (mm)	Light array quantities
LS-2BRS3016 colours: R, G, B, W	0.5W	0.7W	52 g	Y	1	16	3
LS-2BRS6016 colours: R, G, B, W	1.0W	1.4W	77 g	Y	1	16	3
LS-2BRS9016 colours: R, G, B, W	1.4W	2.2W	105 g	Y	1	16	3
LS-2BRS12016 colours: R, G, B, W	1.9W	2.9W	127 g	Y	1	16	3
LS-2BRS15016 colours: R, G, B, W	2.4W	3.6W	154 g	Y	1	16	3
LS-2BRS18016 colours: R, G, B, W	2.9W	4.3W	177 g	Y	1	16	3
LS-2BRS21016 colours: R, G, B, W	3.4W	5.0W	205 g	Y	1	16	3
LS-2BRS24016 colours: R, G, B, W	3.8W	5.8W	233 g	Y	1	16	3
LS-2BRS27016 colours: R, G, B, W	4.3W	6.5W	260 g	Y	1	16	3
LS-2BRS30016 colours: R, G, B, W	4.8W	7.2W	277 g	Y	1	16	3
LS-2BRS33016 colours: R, G, B, W	5.3W	7.9W	306 g	Y	1	16	3
LS-2BRS36016 colours: R, G, B, W	5.8W	8.6W	334 g	Y	1	16	3

LS-2BRS39016 colours: R, G, B, W	6.2W	9.4W	352 g	Y	1	16	3
LS-2BRS42016 colours: R, G, B, W	6.7W	10.1W	379 g	Y	1	16	3
LS-2BRS45016 colours: R, G, B, W	7.2W	10.8W	408 g	Y	1	16	3
LS-2BRS48016 colours: R, G, B, W	7.7W	11.5W	435 g	Y	1	16	3
LS-2BRS51016 colours: R, G, B, W	8.2W	12.2W	462 g	Y	1	16	3
LS-2BRS2530 colours: R, G, B, W	0.7W	1.0W	64 g	Y	2	30	6
LS-2BRS5030 colours: R, G, B, W	1.4W	1.9W	97 g	Y	2	30	6
LS-2BRS7530 colours: R, G, B, W	2.2W	2.9W	126 g	Y	2	30	6
LS-2BRS10030 colours: R, G, B, W	2.9W	4.3W	160 g	Y	2	30	6
LS-2BRS12530 colours: R, G, B, W	3.6W	4.8W	194 g	Y	2	30	6
LS-2BRS15030 colours: R, G, B, W	4.3W	5.8W	226 g	Y	2	30	6
LS-2BRS17530 colours: R, G, B, W	5.0W	6.7W	259 g	Y	2	30	6
LS-2BRS20030 colours: R, G, B, W	5.8W	7.7W	282 g	Y	2	30	6
LS-2BRS22530 colours: R, G, B, W	6.5W	8.6W	318 g	Y	2	30	6
LS-2BRS25030 colours: R, G, B, W	7.2W	9.6W	350 g	Y	2	30	6
LS-2BRS27530 colours: R, G, B, W	7.9W	10.6W	383 g	Y	2	30	6
LS-2BRS30030 colours: R, G, B, W	8.6W	11.5W	417 g	Y	2	30	6
LS-2BRS32530 colours: R, G, B, W	9.4W	12.5W	445 g	Y	2	30	6
LS-2BRS35030 colours: R, G, B, W	10.1W	13.4W	474 g	Y	2	30	6

LS-2BRS37530 colours: R, G, B, W	10.8W	14.4W	503 g	Y	2	30	6
LS-2BRS40030 colours: R, G, B, W	11.5W	15.4W	531 g	Y	2	30	6
LS-2BRS42530 colours: R, G, B, W	12.2W	16.3W	575 g	Y	2	30	6
LS-2BRS45030 colours: R, G, B, W	13.0W	17.3W	608 g	Y	2	30	6
LS-2BRS47530 colours: R, G, B, W	13.7W	18.2W	616 g	Y	2	30	6
LS-2BRS50030 colours: R, G, B, W	14.4W	19.2W	647 g	Y	2	30	6
LS-2BRS75030 colours: R, G, B, W	21.6W	28.8W	675 g	N	3	30	6
LS-2BRS100030 colours: R, G, B, W	25.0W	37.7W	1274 g	N	4	30	6
LS-2BRS150030 colours: R, G, B, W	39.4W	56.9W	1823 g	N	5	30	6

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

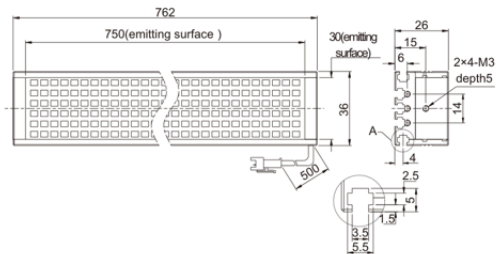
Dimensions



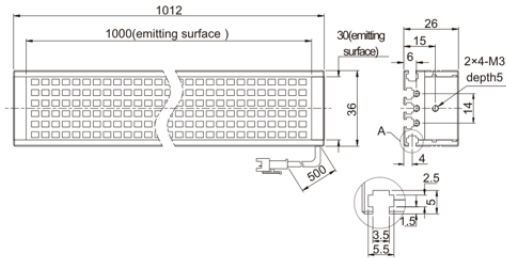
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LS-2BRS3016	42	30
LS-2BRS6016	72	60
LS-2BRS9016	102	90
LS-2BRS12016	132	120
LS-2BRS15016	162	150
LS-2BRS18016	192	180
LS-2BRS21016	222	210
LS-2BRS24016	252	240
LS-2BRS27016	282	270
LS-2BRS30016	312	300
LS-2BRS33016	342	330
LS-2BRS36016	372	360
LS-2BRS39016	402	390
LS-2BRS42016	432	420
LS-2BRS45016	462	450
LS-2BRS48016	492	480
LS-2BRS51016	522	510

型号	A	B
LS-2BRS2530	37	25
LS-2BRS5030	62	50
LS-2BRS7530	87	75
LS-2BRS10030	112	100
LS-2BRS12530	137	125
LS-2BRS15030	162	150
LS-2BRS17530	187	175
LS-2BRS20030	212	200
LS-2BRS22530	237	225
LS-2BRS25030	262	250
LS-2BRS27530	287	275
LS-2BRS30030	312	300
LS-2BRS32530	337	325
LS-2BRS35030	362	350
LS-2BRS37530	387	375
LS-2BRS40030	412	400
LS-2BRS42530	437	425
LS-2BRS45030	462	450
LS-2BRS47530	487	475
LS-2BRS50030	512	500

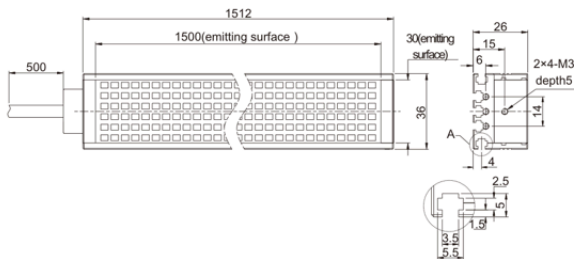
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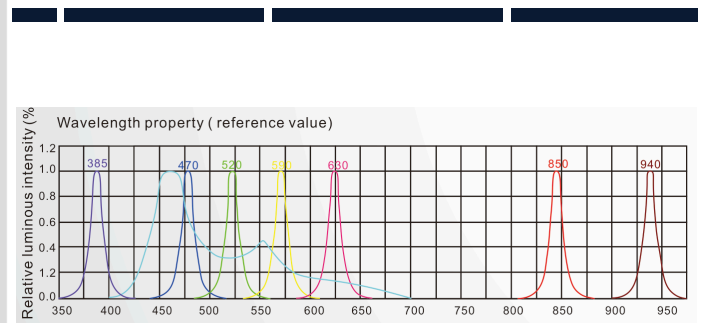
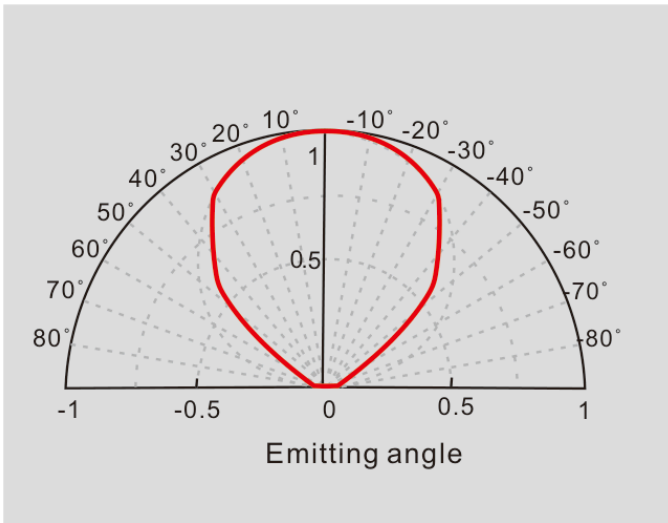
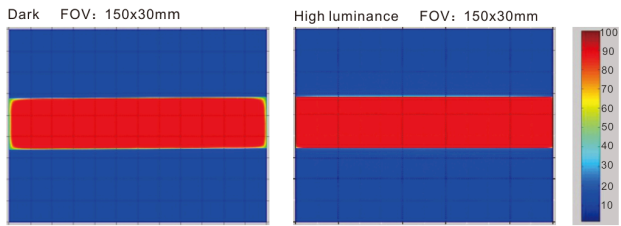
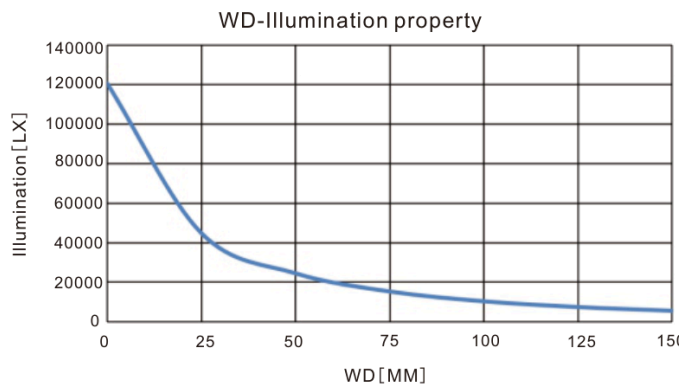
4.LS-2BRS100030



5.LS-2BRS150030



Performance



Product views



