

Bar light (HBL)

LS-HBL series · Bar lights · 66 models



Bar lights are especially suited to imaging large features; lengths range from a dozen-odd millimetres to several metres and the light colour is chosen as needed. Several bar lights can be combined freely and the illumination angle adjusted to the inspection. (Length can be customised: length = 57 + 45 x N; above 1002 mm splicing is recommended.)

Features

- Cost-effective bar illumination
- Many types; size, brightness and mounting method can be customised
- Length customisable as 57 + 45 x N mm

Applications

- Packaging damage, LCD characters, positioning marks, expanded-film damage
- Stretched-film damage, masking-tape damage, connector pin flatness
- LCD components, scratches on large object surfaces

Colours

R	620-630 nm
G	525 nm
B	470 nm
W	5000-8000 K

Common specifications

Recommended controllers	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D
Cable length (mm)	500
Mounting	2 x 2-M3 threads, depth 5 (per drawing)
Operating environment	Ambient about 25 °C, operating temperature within 35 °C
Expected life	Red and white: 30000 h continuous, decays to 50% (typical one-year decay 8-15%); blue and green: 30000 h continuous, decays to 60% (typical one-year decay 10-18%)

Support

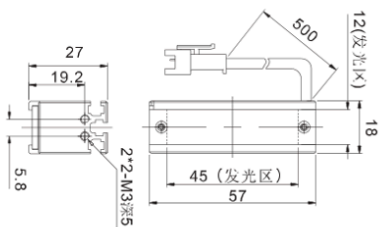
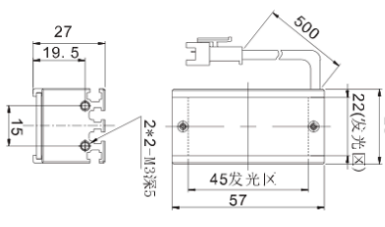
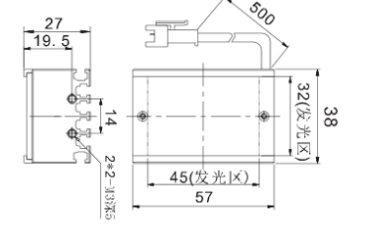
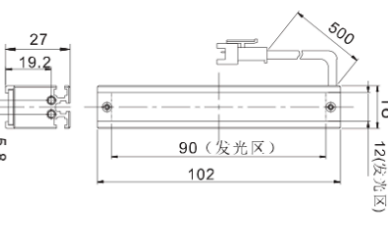
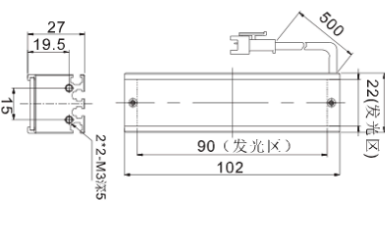
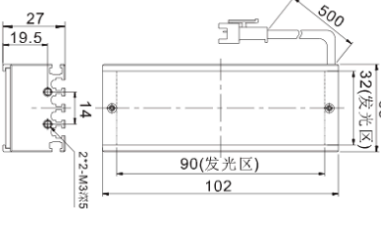
1 year of free standard technical support; can be customised to the inspected feature, working distance, illumination angle and field of view

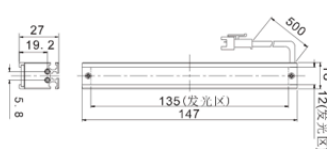
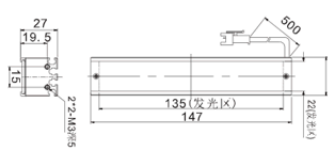
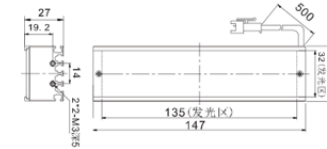
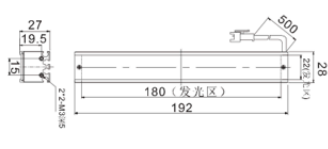
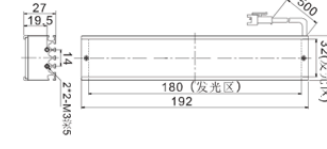
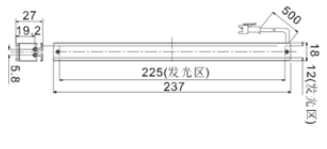
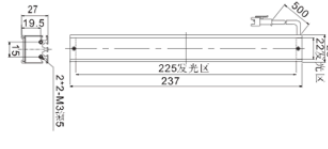
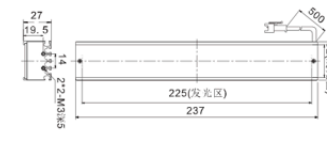
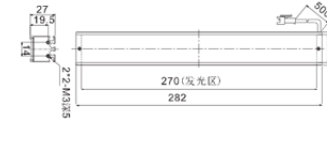
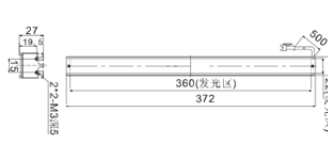
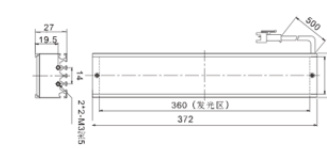
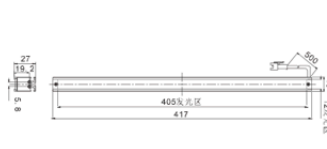
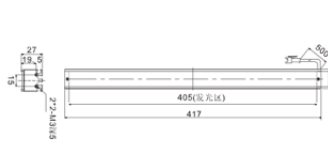
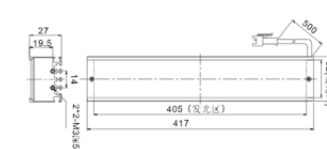
Ordering code: H-BL-<outer length mm>-<outer width mm>-K-<colour> (example H-BL-57-18-K-W; K = upgraded version)

Models

Model	Size (mm)	LED rows	Power, green/blue/white (W)	Power, red (W)	Emitting area (mm, drawing)
LS-HBL5718K colours: R, G, B, W	L 57 x W 18	2	1.5	1.0	45 x 12
LS-HBL5728K colours: R, G, B, W	L 57 x W 28	4	2.5	2.0	45 x 22
LS-HBL5738K colours: R, G, B, W	L 57 x W 38	6	3.5	2.5	45 x 32
LS-HBL10218K colours: R, G, B, W	L 102 x W 18	2	2.5	1.5	90 x 12
LS-HBL10228K colours: R, G, B, W	L 102 x W 28	4	4.5	3.0	90 x 22
LS-HBL10238K colours: R, G, B, W	L 102 x W 38	6	7.0	4.5	90 x 32
LS-HBL14718K colours: R, G, B, W	L 147 x W 18	2	3.5	2.5	135 x 12
LS-HBL14728K colours: R, G, B, W	L 147 x W 28	4	7.0	5.0	135 x 22
LS-HBL14738K colours: R, G, B, W	L 147 x W 38	6	10.0	7.5	135 x 32
LS-HBL19218K colours: R, G, B, W	L 192 x W 18	2	6.0	4.0	180 x 12
LS-HBL19228K colours: R, G, B, W	L 192 x W 28	4	10.0	8.0	180 x 22
LS-HBL19238K colours: R, G, B, W	L 192 x W 38	6	13.5	10.0	180 x 32
LS-HBL23718K colours: R, G, B, W	L 237 x W 18	2	6.0	4.0	225 x 12
LS-HBL23728K colours: R, G, B, W	L 237 x W 28	4	12.0	8.0	225 x 22
LS-HBL23738K colours: R, G, B, W	L 237 x W 38	6	18.0	12.0	225 x 32
LS-HBL28218K colours: R, G, B, W	L 282 x W 18	2	7.0	5.0	270 x 12
LS-HBL28228K colours: R, G, B, W	L 282 x W 28	4	13.5	8.0	270 x 22
LS-HBL28238K colours: R, G, B, W	L 282 x W 38	6	20.0	14.5	270 x 32
LS-HBL32718K colours: R, G, B, W	L 327 x W 18	2	8.0	6.0	315 x 12
LS-HBL32728K colours: R, G, B, W	L 327 x W 28	4	15.5	11.5	315 x 22
LS-HBL32738K colours: R, G, B, W	L 327 x W 38	6	23.5	17.0	315 x 32
LS-HBL37218K colours: R, G, B, W	L 372 x W 18	2	9.0	6.5	360 x 12

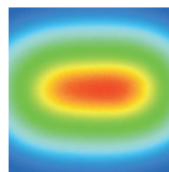
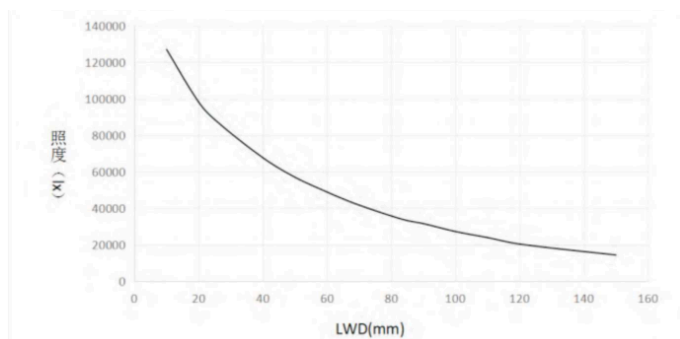
LS-HBL37228K colours: R, G, B, W	L 372 x W 28	4	18.0	13.0	360 x 22
LS-HBL37238K colours: R, G, B, W	L 372 x W 38	6	26.5	18.0	360 x 32
LS-HBL41718K colours: R, G, B, W	L 417 x W 18	2	10.0	7.5	405 x 12
LS-HBL41728K colours: R, G, B, W	L 417 x W 28	4	18.0	13.0	405 x 22
LS-HBL41738K colours: R, G, B, W	L 417 x W 38	6	30.0	22.0	405 x 32
LS-HBL46218K colours: R, G, B, W	L 462 x W 18	2	11.0	8.0	450 x 12
LS-HBL46228K colours: R, G, B, W	L 462 x W 28	4	22.0	16.0	450 x 22
LS-HBL46238K colours: R, G, B, W	L 462 x W 38	6	33.0	23.0	450 x 32
LS-HBL50718K colours: R, G, B, W	L 507 x W 18	2	12.5	9.0	495 x 12
LS-HBL50728K colours: R, G, B, W	L 507 x W 28	4	24.5	48.0	495 x 22
LS-HBL50738K colours: R, G, B, W	L 507 x W 38	6	37.0	25.0	495 x 32
LS-HBL55218K colours: R, G, B, W	L 552 x W 18	2	13.5	9.0	540 x 12
LS-HBL55228K colours: R, G, B, W	L 552 x W 28	4	26.5	18.0	540 x 22
LS-HBL55238K colours: R, G, B, W	L 552 x W 38	6	40.0	27.0	540 x 32
LS-HBL59718K colours: R, G, B, W	L 597 x W 18	2	14.5	10.0	585 x 12
LS-HBL59728K colours: R, G, B, W	L 597 x W 28	4	29.0	20.0	585 x 22
LS-HBL59738K colours: R, G, B, W	L 597 x W 38	6	43.0	29.0	585 x 32
LS-HBL64218K colours: R, G, B, W	L 642 x W 18	2	15.5	10.5	630 x 12
LS-HBL64228K colours: R, G, B, W	L 642 x W 28	4	32.0	21.5	630 x 22
LS-HBL64238K colours: R, G, B, W	L 642 x W 38	6	46.5	32.0	630 x 32
LS-HBL68718K colours: R, G, B, W	L 687 x W 18	2	16.5	11.5	675 x 12
LS-HBL68728K colours: R, G, B, W	L 687 x W 28	4	33.0	22.5	675 x 22
LS-HBL68738K colours: R, G, B, W	L 687 x W 38	6	49.5	33.0	675 x 32
LS-HBL73218K colours: R, G, B, W	L 732 x W 18	2	18.0	12.5	720 x 12
LS-HBL73228K colours: R, G, B, W	L 732 x W 28	4	36.0	24.0	720 x 22
LS-HBL73238K colours: R, G, B, W	L 732 x W 38	6	53.0	36.0	720 x 32

LS-HBL50718K 	LS-HBL50728K 	LS-HBL50738K 
LS-HBL10218K 	LS-HBL10228K 	LS-HBL10238K 

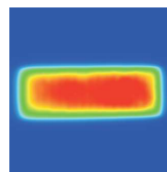
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LS-HBL28218K 	LS-HBL28228K 	LS-HBL28238K 
LS-HBL32718K 	LS-HBL32728K 	LS-HBL32738K 
LS-HBL37218K 	LS-HBL37228K 	LS-HBL37238K 
LS-HBL41718K 	LS-HBL41728K 	LS-HBL41738K 

LS-HBL77718K	LS-HBL77728K	LS-HBL77738K
LS-HBL82218K	LS-HBL82228K	LS-HBL82238K
LS-HBL86718K	LS-HBL86728K	LS-HBL86738K
LS-HBL91218K	LS-HBL91228K	LS-HBL91238K
LS-HBL95718K	LS-HBL95728K	LS-HBL95738K
LS-HBL100218K	LS-HBL100228K	LS-HBL100238K

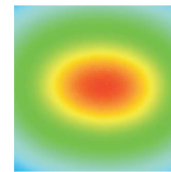
Performance



工作距离: 50mm



工作距离: 0mm



工作距离: 100mm

Product views

