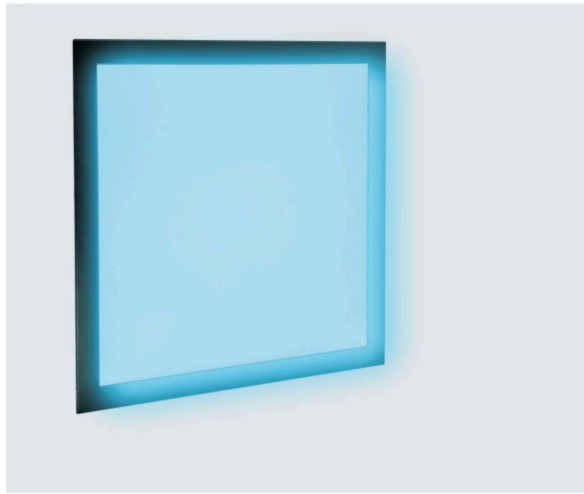


Side light / edge-lit area light (HFL)

LS-HFL series · Backlights · 27 models

Edge-lit area light: the LEDs are distributed evenly along the sides of the light and a light-guide plate and diffuser form an even emitting surface. Sizes are flexible and easy to customise; square or round holes can be made.



Features

- Ultra-thin design, freely customisable size
- Large-area, highly uniform flat illumination
- Versions with a centre hole (HOLE series, -K<hole dia.>)

Applications

- Outline measurement, machined dimension measurement, glass bottle damage, foreign matter
- Surface scratches, internal foreign matter and damage on transparent objects
- Tablet appearance inspection, carton positioning, remote-control key character recognition
- Backlit inspection of LED substrates, outer contour edge positioning

Colours

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

Common specifications

Cable length (mm)	500
Mounting	M4 through holes (per drawing)
Operating environment	Ambient about 25 °C, operating temperature within 35 °C
Expected life	Red, white, blue and green: 30000 h continuous, decays to 40% (typical one-year decay 5-10%)
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-FL-<emitting length mm>-<emitting width mm>-K-<colour>[-K<hole dia. mm>] (examples H-FL-50-50-K-W, H-FL-250-520-K-W-K50; K = upgraded version)

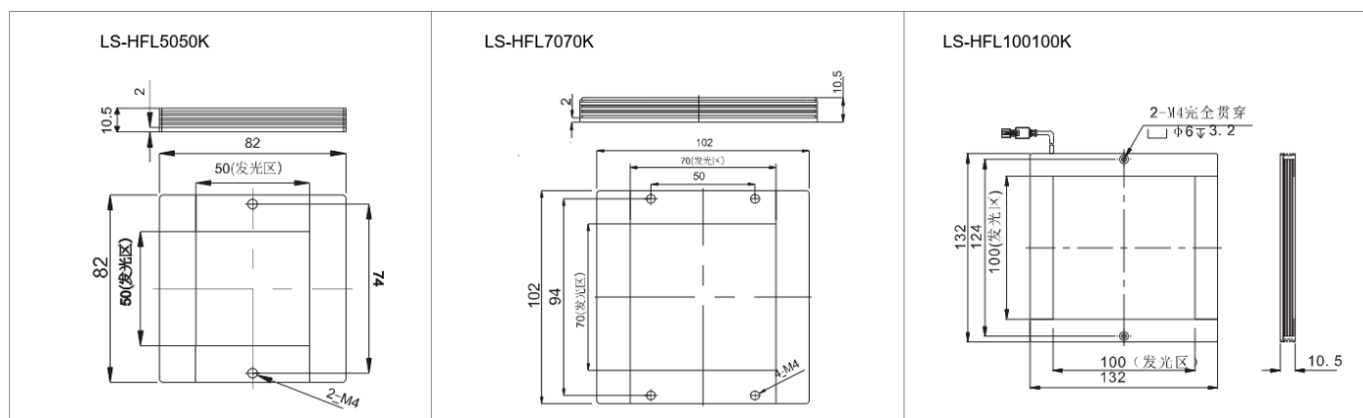
Models

Model	Emitting area (mm)	Power, green/blue/white (W)	Power, red (W)	Recommended controllers	Centre hole dia. (mm)	Emitting area (mm, drawing)
LS-HFL5050K colours: R, G, B, W	50 x 50	8.5	4.5	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL7070K colours: R, G, B, W	70 x 70	9.0	9.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL100100K colours: R, G, B, W	100 x 100	13.0	9.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL150150K colours: R, G, B, W	150 x 150	17.5	13.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL200200K colours: R, G, B, W	200 x 200	25.0	17.5	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL250150K colours: R, G, B, W	250 x 150	26.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL250200K colours: R, G, B, W	250 x 200	26.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL300200K colours: R, G, B, W	300 x 200	31.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL300250K colours: R, G, B, W	300 x 250	31.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL300300K colours: R, G, B, W	300 x 300	31.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-

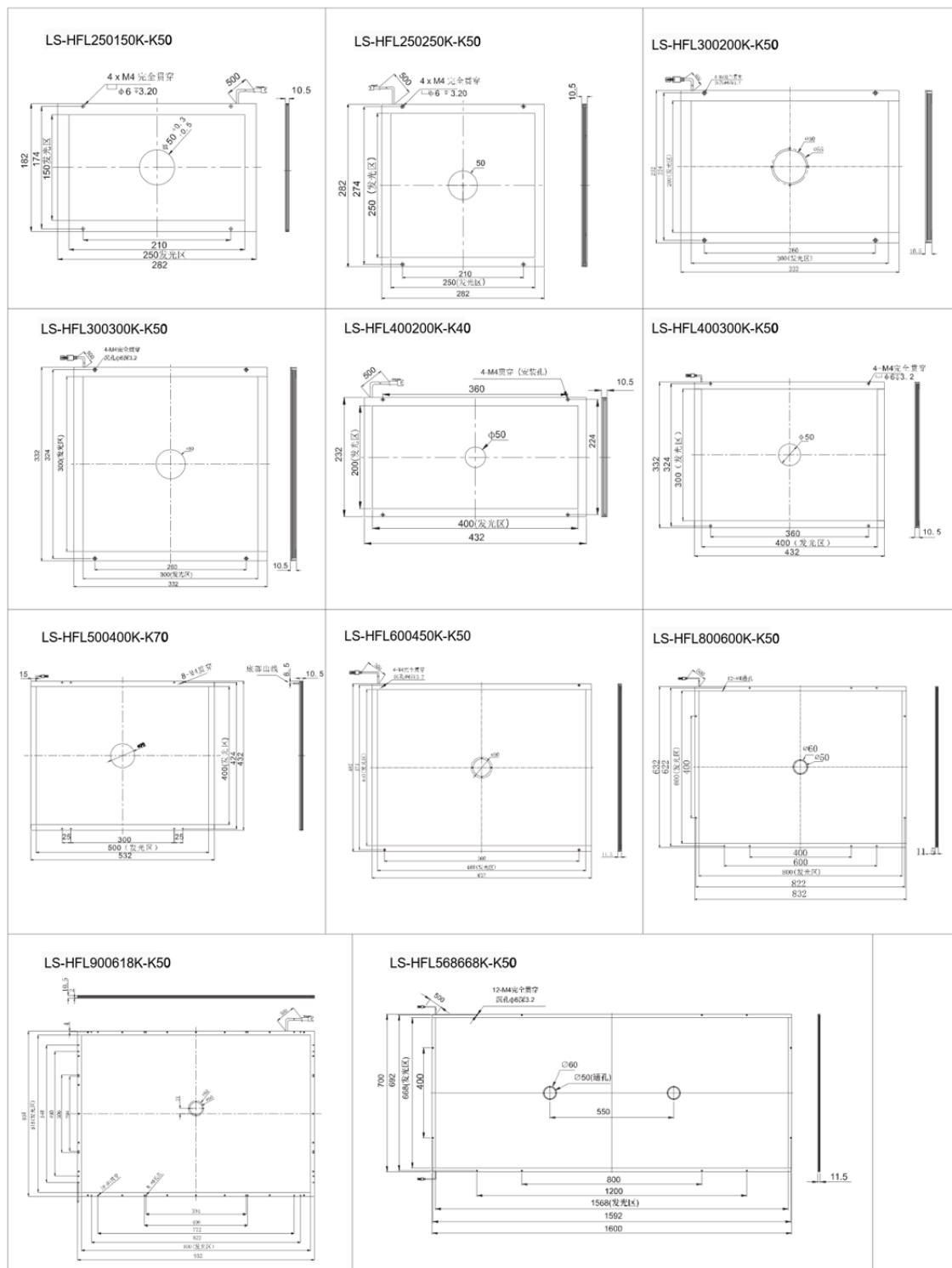
LS-HFL400300K colours: R, G, B, W	400 x 300	43.5	35.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL600450K colours: R, G, B, W	600 x 450	61.0	52.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	-	-
LS-HFL100100K- K35 colours: R, G, B, W	100 x 100	12.5	12.5	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	35	-
LS- HFL200200K- K50 colours: R, G, B, W	200 x 200	20.5	19.5	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-
LS-HFL250120K- K50 colours: R, G, B, W	250 x 120	26.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-
LS-HFL250150K- K50 colours: R, G, B, W	250 x 150	26.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-
LS-HFL250250K- K50 colours: R, G, B, W	250 x 250	26.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-
LS- HFL300200K- K50 colours: R, G, B, W	300 x 200	31.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-
LS- HFL300300K- K50 colours: R, G, B, W	300 x 300	31.0	22.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-
LS- HFL400200K- K40 colours: R, G, B, W	400 x 200	43.5	35.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	40	-
LS- HFL400300K- K50 colours: R, G, B, W	400 x 300	43.5	35.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-
LS- HFL500400K- K70 colours: R, G, B, W	500 x 400	52.0	43.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	70	-
LS- HFL600450K- K50 colours: R, G, B, W	600 x 450	57.5	50	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-
LS- HFL800600K- K50 colours: R, G, B, W	800 x 600	74.5	65.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-

LS-HFL900618K-K50 colours: R, G, B, W	900 x 618	51.0	45.0	HAPC2424P / HAPC2460P / HMDPC2480 / HDPC2465D	50	-
LS-HFL568668K-K50 colours: R, G, B, W	1568 x 668	151.0	120.0	HDPC24200D	50	-
LS-HFL200150K colours: R, G, B, W	-	-	-	-	-	200 x 150

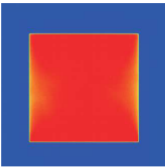
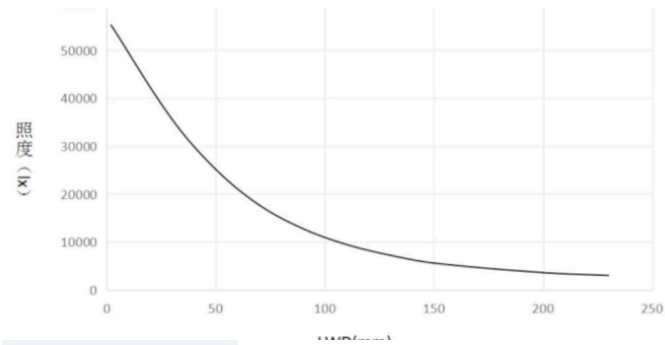
Dimensions



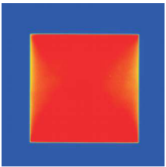
LS-HFL150150K	LS-HFL200200K	LS-HFL200150K
LS-HFL250200K	LS-HFL300200K	LS-HFL300250K
LS-HFL300300K	LS-HFL400300K	LS-HFL600450K
LS-HFL100100K-K35	LS-HFL200200K-K50	LS-HFL250120K-K50



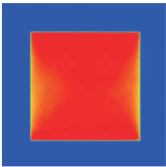
Performance



LS-HFL100100K-B



LS-HFL100100K-R



LS-HFL100100K0W