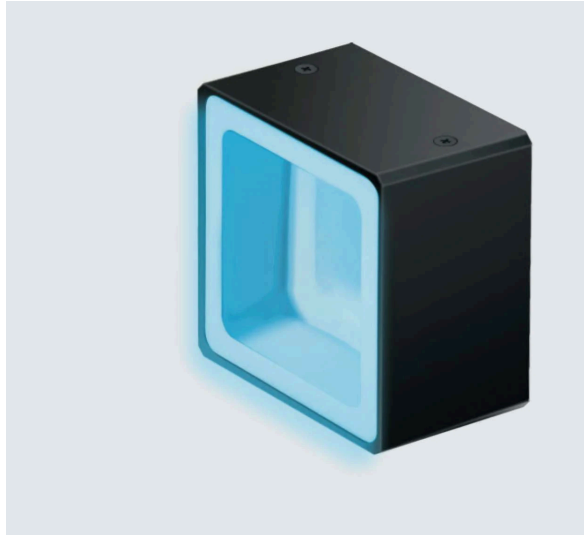


Square shadowless light (HFQ)

LS-HFQ series · Shadowless lights · 4 models

Uses a unique illumination structure: LED light is diffused evenly by special optical material while a flexible circuit board fixes the illumination angle at 90 degrees; after refraction it lights the object evenly and efficiently. Mainly for objects needing balanced surface lighting where reflections and glare must be avoided.



Features

- Illumination area freely customisable
- High brightness, highly uniform shadowless illumination

Applications

- FPC product positioning
- Electronic component presence inspection
- Bent pin inspection
- Substrate appearance and pattern inspection

Colours

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

Common specifications

Recommended controllers	HMAPC2420 / HAPC2424P
Cable length (mm)	500
Mounting	4-M3 threads, depth 4 (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

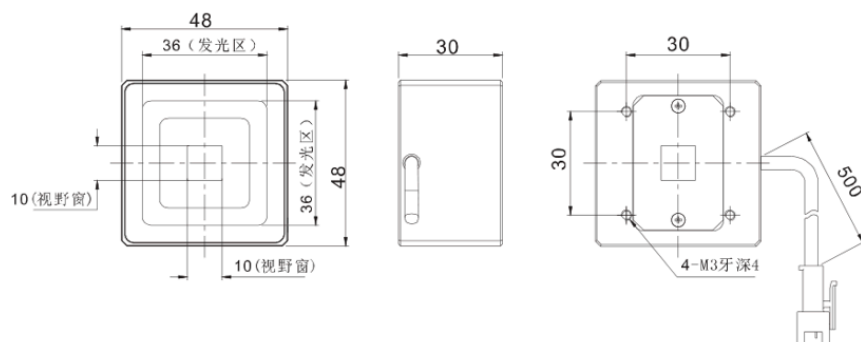
Ordering code: H-FQ-<outer side length mm>-P-<colour> (example H-FQ-48-P-W; P = upgraded version)

Models

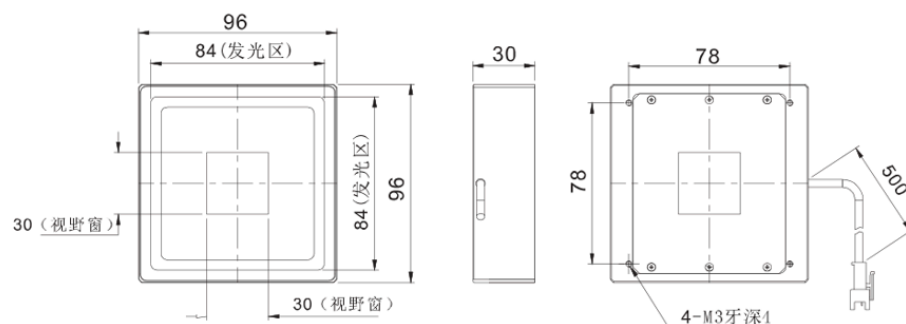
Model	Emitting area (mm)	Power (W)	Viewing window (mm, drawing)
LS-HFQ48P colours: R, G, B, W	36 x 36	1.5	10 x 10
LS-HFQ96P colours: R, G, B, W	84 x 84	3	30 x 30
LS-HFQ120P colours: R, G, B, W	108 x 108	4	20 x 20
LS-HFQ200116P colours: R, G, B, W	188 x 112	13	-

Dimensions

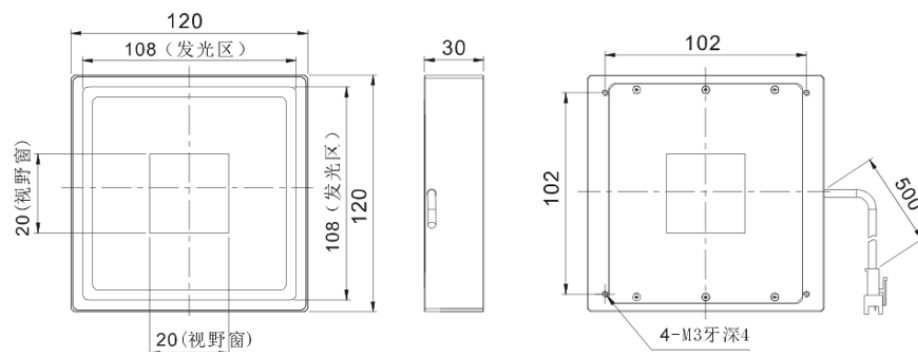
LS-HFQ48P



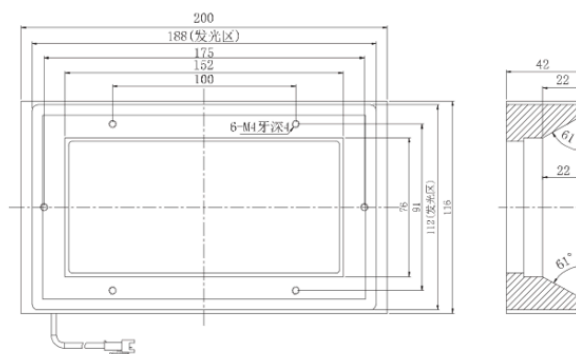
LS-HFQ96P



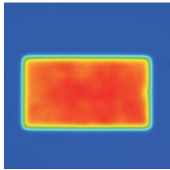
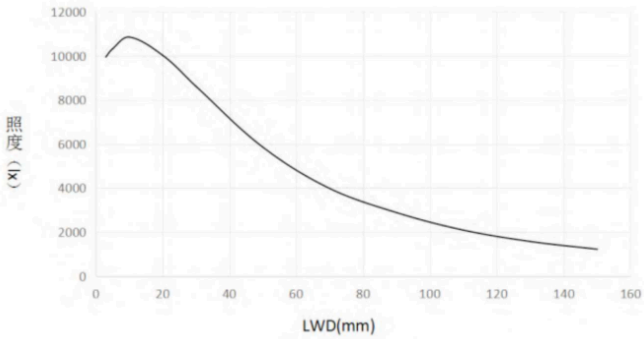
LS-HFQ120P



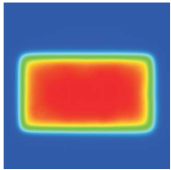
LS-HFQ200116P



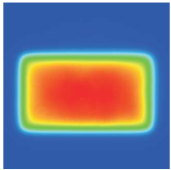
Performance



工作距离: 10mm



工作距离: 30mm



工作距离: 50mm

