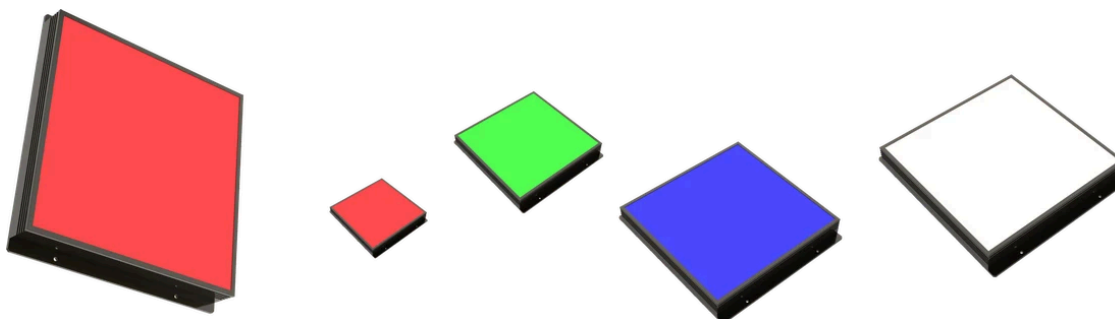


High Uniformity Back Light (HBC series)

LS-HBC series · Backlights · 5 models



High-uniformity, high-brightness bottom-lit backlight with a high proportion of effective luminous surface, suited to compact installations; 30 mm thick.

Features

- Good uniformity, high brightness.
- Uniform illumination over a large area, with flexible and variable dimensions.
- High proportion of effective luminous surface, suitable for compact installation environments.

Applications

- Size measurement, contour inspection, metal burr detection, transparent object scratch detection, internal foreign object detection.
- Dice (or wheel) dimension inspection
- Metal plate dimension inspection
- Solar cell damage detection
- Automotive part dimension inspection

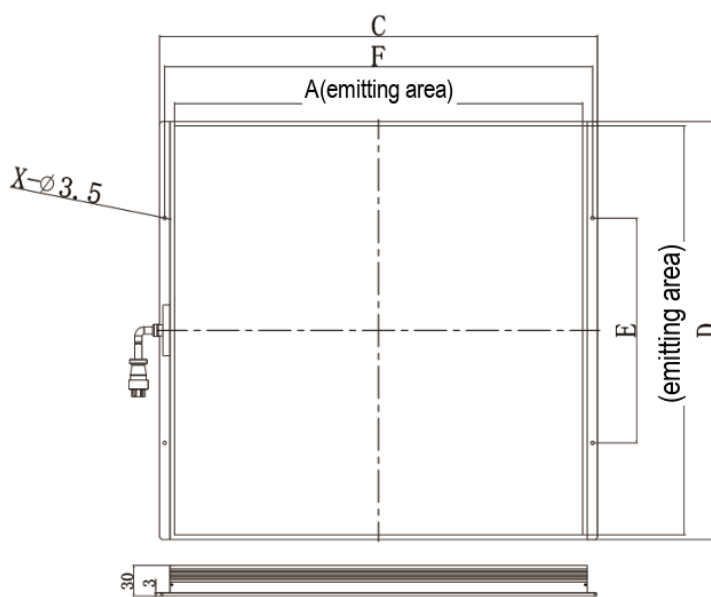
Common specifications

Voltage (V)	24
Colours	Red, Green, Blue, White
Construction (setup diagram)	LED / housing / diffuser plate
Thickness (mm)	30
Mounting	X-Φ3.5 holes

Models

Model	Power R (W)	Power W/B/G (W)	Emitting area (mm)	Outer size L x W x H (mm)
LS-HBC-50X50 colours: Red, Green, Blue, White	3	4.5	50x50	85x59x30
LS-HBC-110X110 colours: Red, Green, Blue, White	5.3	8.1	110x110	145x119x30
LS-HBC-240X160 colours: Red, Green, Blue, White	15.8	24	240x160	269x169x30
LS-HBC-450X350 colours: Red, Green, Blue, White	101.3	135	430x350	479x359x30
LS-HBC-550X400 colours: Red, Green, Blue, White	150	200	550x400	579x409x30

Dimensions



Model	A	B	C	D	E	F
HBC-110X110	110	110	145	119	90	134
HBC-240X160	240	160	269	169	120	259
HBC-450X350	450	350	479	359	150/300	469
HBC-550X400	550	400	579	409	120/360	569

LS-HBC-AXB

Performance

Illumination Property Diagram **Uniformity (Relative Irradiance)**

