

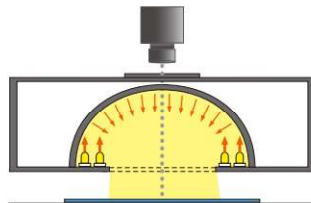
High-brightness Line Dome Illumination (LLDHBC Series)

LLDHBC Series (Old Model : LLDHB)

High-end line dome illumination (half-pipe illumination) for high-power irradiation of diffused light



Irradiates high-power diffused light.



Work



Customizable

Light distribution control

Emission color

Features

- High-end model of line dome illumination (half-pipe illumination) irradiates diffused light
- The light irradiated into the dome is diffused for uniform irradiation to the work surface.
- Halation and shadowing (due to sample surface irregularities) is reduced in images.
- Best suited for high-speed inspection lines by using dome illumination, higher-illuminance, and improved camera resolution.
- High brightness with proprietary fan cooling

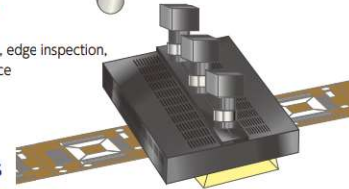
This high-brightness model supports inspection in a high-speed printing process.



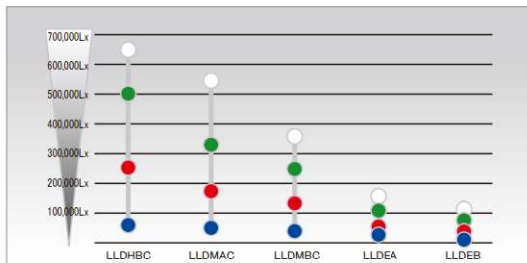
Application example

Steel plate inspection, glass inspection, sheet inspection, metal surface inspection, edge inspection, line sensor light source, visual inspection light source, image processing light source

Inspection of lead frames



Comparison of illuminance (series/color)

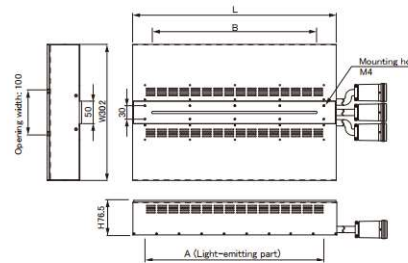


Product Specifications

Model	LxWxH (mm)	Light-emitting part A (mm)	Photographing window B (mm)	Power consumption (white) [W]	Input voltage [V]	Example of applicable power supply
LLDHBC100F*	155x302x76.5	100	65	154	48	LPDCJ1-48301W-R4
LLDHBC200F*	255x302x76.5	200	165	308	48	LPDCJ1-48601W-R4
LLDHBC300F*	355x302x76.5	300	265	461	48	LPDCJ1-48601W-R4
LLDHBC400F*	455x302x76.5	400	365	615	48	LPDCJ1-48102W-R4
LLDHBC500F*	555x302x76.5	500	465	768	48	LPDCJ1-48102W-R4
LLDHBC600F*	655x302x76.5	600	565	922	48	LPDCJ1-48152Y-R4
LLDHBC700F*	755x302x76.5	700	665	1076	48	LPDCJ1-48152Y-R4
LLDHBC800F*	855x302x76.5	800	765	1229	48	LPDCJ1-48302S-R4
LLDHBC900F*	955x302x76.5	900	865	1383	48	LPDCJ1-48302S-R4
LLDHBC1000F*	1055x302x76.5	1000	965	1536	48	LPDCJ1-48302S-R4

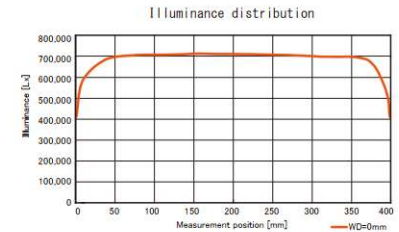
- *In Model : Emission color W (white) R (red) G (green) B (blue)
- Available emitter length size : units of 100 mm
- For details about other sizes, contact our sales department.

Outer dimensions (Typical example:LLDHBC400F*)



* Product specifications are subject to change without notice.

Data (Typical example : LLDHBC400FW)



Example of customization

A notch is added to each side for shaft inspection.

