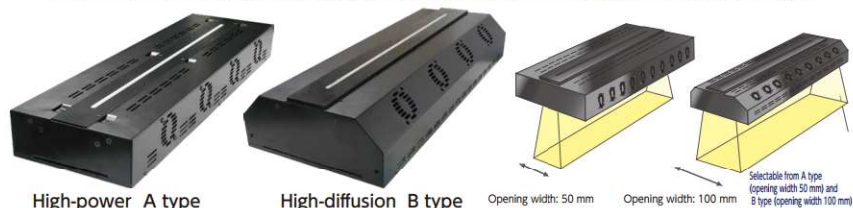


High-brightness Line Dome Illumination (LLDMAC/LLDMBC Series)

LLDMAC/LLDMBC Series (Old Model : LLDMA/LLDMB)

Line dome illumination (half-pipe illumination) that irradiates diffused light

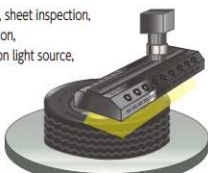


Features

- Standard line dome illumination (half-pipe illumination) model 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

Application example

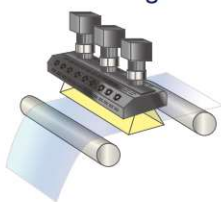
Steel plate inspection, glass inspection, sheet inspection, metal surface inspection, edge inspection, line sensor light source, visual inspection light source, image processing light source



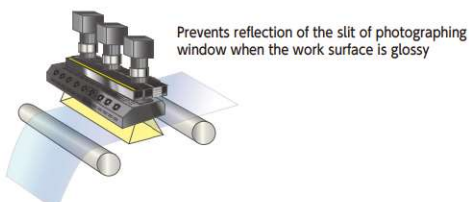
Inspection of tire characters

Installation example

Normal usage

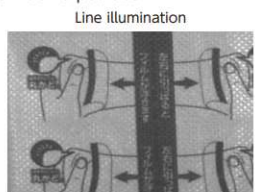


Used in combination with line coaxial illumination

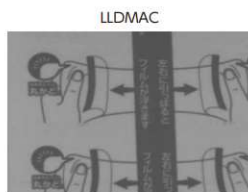


Example of imaging

- Inspection of print on a poulitce



Difficult to inspect printed areas due to shadowing around irregularities of dimples and halation caused by direct light of line illumination



Shade and halation can be suppressed with uniform soft light.

Product Specifications

LLDMAC high-power type fan cooling

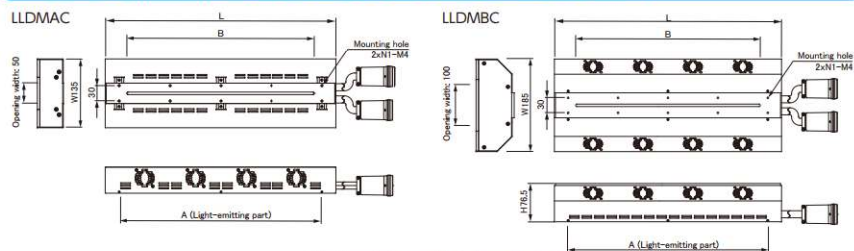
Model	LxWxH [mm]	Light-emitting part A [mm]	Photographing window B [mm]	Power consumption (white) [W]	Input voltage [V]	Example of applicable power supply
LLDMAC100F*	155x135x51.5	100	65	58	48	LPDCJ1-48301W-R3
LLDMAC200F*	255x135x51.5	200	165	116	48	LPDCJ1-48301W-R3
LLDMAC300F*	355x135x51.5	300	265	173	48	LPDCJ1-48301W-R3
LLDMAC400F*	455x135x51.5	400	365	231	48	LPDCJ1-48601W-R3
LLDMAC500F*	555x135x51.5	500	465	288	48	LPDCJ1-48601W-R3
LLDMAC600F*	655x135x51.5	600	565	346	48	LPDCJ1-48601W-R3
LLDMAC700F*	755x135x51.5	700	665	404	48	LPDCJ1-48601W-R3
LLDMAC800F*	855x135x51.5	800	765	461	48	LPDCJ1-48102W-R3
LLDMAC900F*	955x135x51.5	900	865	519	48	LPDCJ1-48102W-R3
LLDMAC1000F*	1055x135x51.5	1000	965	576	48	LPDCJ1-48102W-R3

LLDMBC high-diffusion type fan cooling

Model	LxWxH [mm]	Light-emitting part A [mm]	Photographing window B [mm]	Power consumption (white) [W]	Input voltage [V]	Example of applicable power supply
LLDMBC100F*	155x185x76.5	100	65	77	48	LPDCJ1-48301W-R4
LLDMBC200F*	255x185x76.5	200	165	154	48	LPDCJ1-48301W-R4
LLDMBC300F*	355x185x76.5	300	265	231	48	LPDCJ1-48301W-R4
LLDMBC400F*	455x185x76.5	400	365	308	48	LPDCJ1-48601W-R4
LLDMBC500F*	555x185x76.5	500	465	384	48	LPDCJ1-48601W-R4
LLDMBC600F*	655x185x76.5	600	565	461	48	LPDCJ1-48601W-R4
LLDMBC700F*	755x185x76.5	700	665	538	48	LPDCJ1-48102W-R4
LLDMBC800F*	855x185x76.5	800	765	615	48	LPDCJ1-48102W-R4
LLDMBC900F*	955x185x76.5	900	865	692	48	LPDCJ1-48102W-R4
LLDMBC1000F*	1055x185x76.5	1000	965	768	48	LPDCJ1-48102W-R4

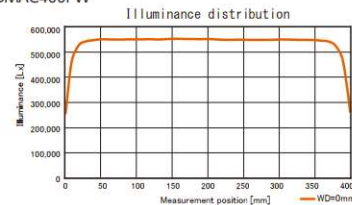
- * In Model : Emission color W (white) R (red) G (green) B (blue)
- Available emitter length size : units of 100 mm
- For details about other sizes, contact our sales department.

Outer dimensions (Typical example : LLDMAC400F*/LLDMBC400F*)

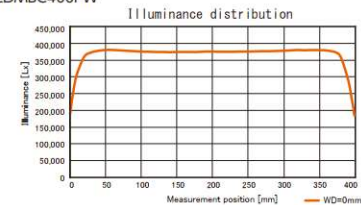


Data (Typical example)

LLDMAC400FW



LLDMBC400FW



* Graph information (for reference only) does not guarantee product quality.