

High-brightness line illumination «LLR series»

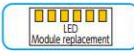
High-bright linear illumination

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LLR Series

Patented

Standard high-brightness model with slim body



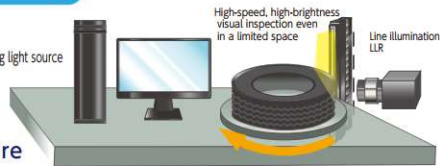
Features

- Unique fan-cooling design for high brightness in a compact form. Unique fan cooling design enables high brightness in a compact form.
- Standard fan cooling model with excellent cost performance.
- Line illumination using high-brightness LEDs and independently-developed optical system and radiation structure.
- A lot of replacements from metal halide light sources and line light guides.
- High-speed, high-brightness illumination for visual inspection even in limited-space installations.



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



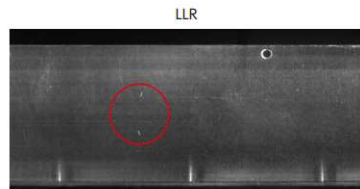
Visual inspection of tire

Example of imaging

- Inspection of scratches on cylindrical metal parts



Difficult to detect scratches due to glossy metal surface



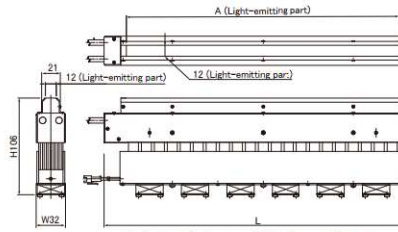
Scratches can be detected by low-angle irradiation line illumination.

Product Specifications

Model	LxWxH (mm)	Light-emitting part A (mm)	Power consumption (white) (W)	Input voltage (V)	Example of applicable power supply
LLR138Fx21-106*	138x32x106	101	39	48	※1
LLR238Fx21-106*	238x32x106	201	77	48	※1
LLR338Fx21-106*	338x32x106	301	115	48	※1
LLR438Fx21-106*	438x32x106	401	154	48	※1
LLR538Fx21-106*	538x32x106	501	192	48	※1
LLR638Fx21-106*	638x32x106	601	231	48	※1
LLR738Fx21-106*	738x32x106	701	269	48	※1
LLR838Fx21-106*	838x32x106	701	307	48	※1
LLR938Fx21-106*	938x32x106	901	347	48	※1
LLR1038Fx21-106*	1038x32x106	1001	384	48	※1

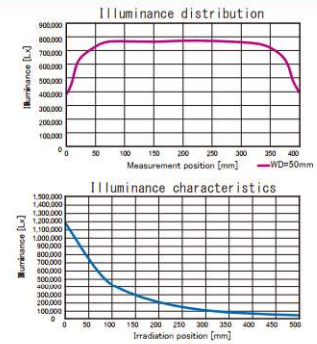
- * in Model : Emission color W (white) R (red) G (green) B (blue)
- Available emitter length size : units of 50 mm
- ※1 For details about other sizes, contact our sales department.

Outer dimensions



* Product specifications are subject to change without notice.

Data (Typical example : LLR438Fx21-105W)



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

Example of customization

Condenser lens unit

