

High-brightness Line Illumination «LLRVC Series»

LLRVC Series (Old Model : LLRV)

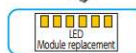
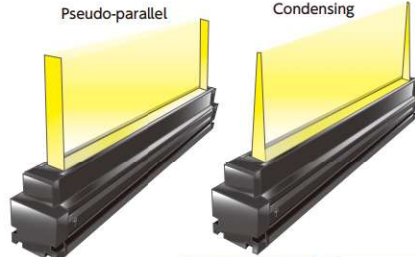
Patented

Internal variable condensing width mechanism for easy adjustment of irradiation width

Variable irradiation width mechanism

Pseudo-parallel

Condensing



Infrared

P72

UV

P116



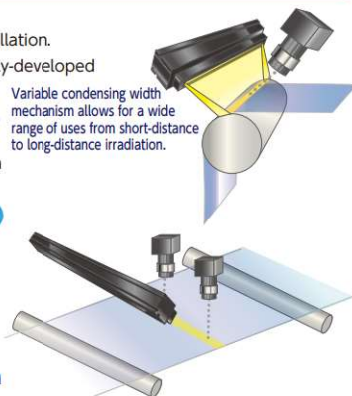
Customizable



Features

- Excellent cost performance
- Natural heat dissipation type best suited for clean room installation.
- 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
- LED line illumination with variable convergence mechanism (developed independently) that can vary irradiation light from pseudo-parallel light to condensed light

Variable condensing width mechanism allows for a wide range of uses from short-distance to long-distance irradiation.



Film inspection

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

Example of imaging

- Cap print inspection

Diffuse ring light illumination



Characters difficult to recognize due to glossy curved print surface

LLRVC



A curved surface image can be captured along its plane by using a line illuminator and a line camera.

Product Specifications

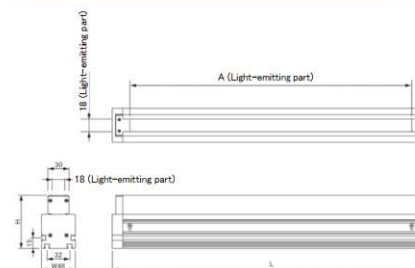
Model	LxWxH [mm]	Light-emitting part A [mm]	Power consumption (white) [W]	Input voltage[V]	Example of applicable power supply
LLRVC100N *	150x48x(75~80)	100	20	48	LPDCJ1-48301W-R4
LLRVC200N *	250x48x(75~80)	200	39	48	LPDCJ1-48301W-R4
LLRVC300N *	350x48x(75~80)	300	58	48	LPDCJ1-48301W-R4
LLRVC400N *	450x48x(75~80)	400	77	48	LPDCJ1-48301W-R4
LLRVC500N *	550x48x(75~80)	500	96	48	LPDCJ1-48301W-R4
LLRVC600N *	650x48x(75~80)	600	116	48	LPDCJ1-48301W-R4
LLRVC700N *	750x48x(75~80)	700	135	48	LPDCJ1-48301W-R4
LLRVC800N *	850x48x(75~80)	800	154	48	LPDCJ1-48301W-R4
LLRVC900N *	950x48x(75~80)	900	173	48	LPDCJ1-48301W-R4
LLRVC1000N *	1050x48x(75~80)	1000	192	48	LPDCJ1-48301W-R4

● Natural heat radiation type. Air cooling (LLRVC-A Series) and Fan cooling (LLRVC-F Series) are also available.

● * in Model : Emission color W (white) R (red) G (green) B (blue) ● Available emitter size : Units of 100 mm

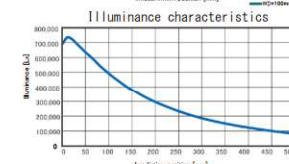
● For details about other sizes, contact our sales department.

Outer dimensions



* Product specifications are subject to change without notice.

Data (Typical example : LLRVC400NW)



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

Options

Coaxial epi-illumination unit

Irradiation in the same axial direction as the camera lens dissipates diffuse peripheral light for increased contrast



Installation method

Slot-style installation method

Installation slot compatibility with commercially-available M4 hexagon nuts (JIS) provides flexibility in a variety of installations.

