



- NIR of uniform surface emission LED light source
- Approximately twice IR intensity change width
- Constant current drive without flicker
- There are 5 kinds of peak wavelength settings



LSB-8IR is surface light source·surface illumination that uses LED of infrared.

860nm and 950nm model regulate the non-uniformity of intensity on the diffusion surface, it is usable for the inspection (distortion etc.) of NIR camera.

1060,1300,1450nm model can be used as surface illumination that is combined with hyperspectral camera. Small wavelength is illuminated, so the heat radiated is minimal.

The volume for the intensity adjustment is equipped, fluctuation range is approximately twice.

There is not the flicker because it is the constant current drive.

2 kinds of diffusers are selectively used depends on the transmission characteristic.

## 【SPECIFICATIONS】\*Specifications may be changed without the announce.

	LSB-8IR-860	LSB-8IR-960	LSB-8IR-1060	LSB-8IR-1300	LSB-8IR-1450
Peak wavelength	860[nm]	950[nm]	1060[nm]	1300[nm]	1450[nm]
Peak wavelength Allowable value	± 1 [%]				
Light emitting surface intensity [ $\mu\text{W}/\text{cm}^2 \cdot \text{nm}$ ]	1.0	1.0	0.30	0.05	0.10
Intensity adjustment	Adjustable with main unit volume Change width: Approximately twice (MIN:MAX)				
Light emitting surface	80 x 80 [mm]				
Diffuser	Type-A		Type-B		
Intensity non-uniformity	4.5 [%] ( $\pm 2.25$ [%])		No regulation		
Light source lamp	INFRARED LED (constant current drive) DC constant voltage lighting				
Power supply voltage	AC adapter drive AC100-240V $\pm 10\%$ , 50/60Hz				
Power consumption	50 [VA] or less				
Use environment	[Temperature] 15 $\square$ -35 $\square$ [Humidity] 80% or less, no condensation [Temperature] $\pm 3$ $\square$ [Humidity] $\pm 5\%$ or less recommendation				
Storage environment	[Temperature] 10 $\square$ -45 $\square$ [Humidity] 80% or less, no condensation				
Dimensions & Weight	120(W)x 72(H)x 120(D) without protrusion Approx.0.4 [kg] AC adapter is not included.				

\*1 Main usage

LSB-8IR-860,950 Diffusion surface light source, illumination. 1060,1300,1450 Illumination.

\*2 Kinds of diffusers

Type-A For diffusion surface light source (unusable in long wavelengths).

Type-B For long wavelengths transmission.

## 【Related model】



Model : LSB-1-1411IR  
Diffusion surface 110x 140 [mm]



Model : VLB-4IR series  
Diffusion surface A4 size



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