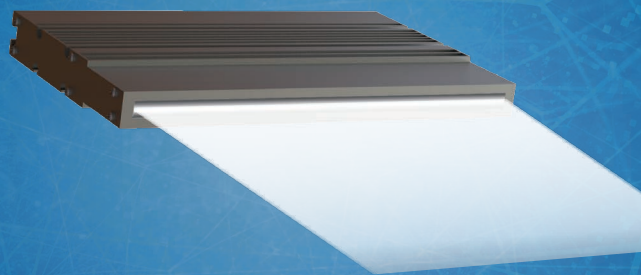
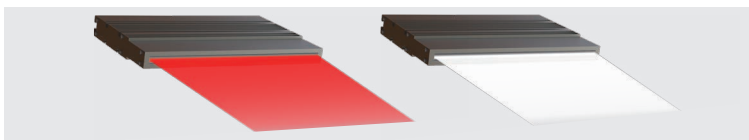


# Slit Line Light IDBA-SL series

Our thinnest, 0.5 mm wide, slit light is ideal for light section measurement methods and fine contamination detection.



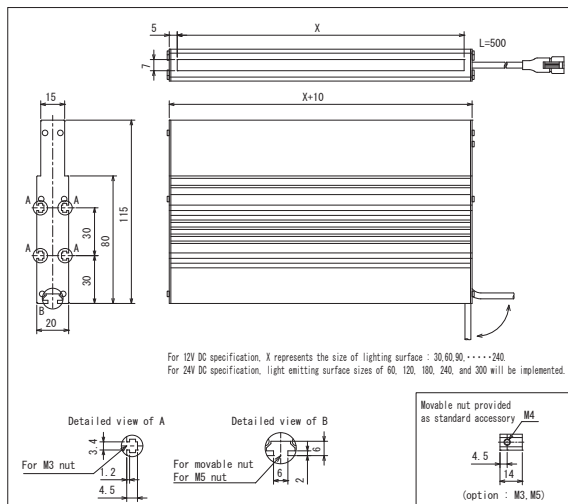
Special Optical Design



Model	Light Color				Power Consumption (W)	Input Voltage	Power Supply				
	R	W	B	G			R	W	B	G	
IDBA-SL30□	R	W	B	G	3.5W	DC12V	FF	FF	FF	FF	ILP-30M2 (P.81) IDGB series (P.89) other, overdrive power supply etc.
IDBA-SL60□	R	W	B	G	7W		FF	FF	FF	FF	
IDBA-SL90□	R	W	B	G	10.5W		FF	FF	FF	FF	
IDBA-SL120□	R	W	B	G	14W		FF	FF	FF	FF	
IDBA-SL150□	R	W	B	G	17.5W		FF	F9	FF	FD	
IDBA-SL180□	R	W	B	G	21W		FF	DD	E3	E1	
IDBA-SL210□	R	W	B	G	24.5W		FF	C9	CC	CB	
IDBA-SL240□	R	W	B	G	28W		F7	BC	BF	BE	
IDBA-SL60□HV	R	W	B	G	7W	DC24V	-	-	-	-	ILP-60M2-24 (P.81) IDGB-24 series (P.89)
IDBA-SL120□HV	R	W	B	G	14W		-	-	-	-	
IDBA-SL180□HV	R	W	B	G	21W		-	-	-	-	
IDBA-SL240□HV	R	W	B	G	28W		-	-	-	-	
IDBA-SL300□HV	R	W	B	G	35W		-	-	-	-	

□ represents light color(R=Red, W=White, B=Blue).

\*The SAG value indicates the maximum voltage setting for SAG power supplies. For details, see page 101.



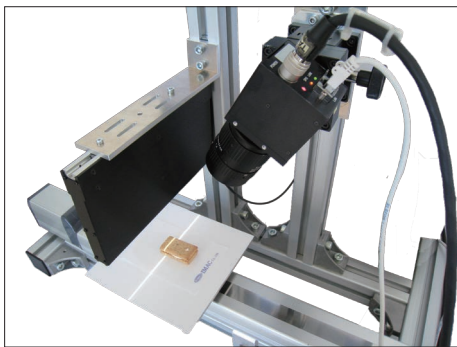
### As the irradiation width is narrow, it will not spread easily even if the distance to the object is far.

The special optical design achieves an irradiation width of approximately 0.5 mm with a distance between objects (WD) of 50 mm.

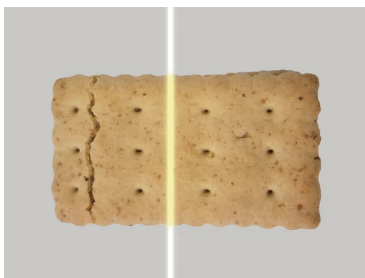
Even in operating environments where the distance to the target object is extended, it is possible to use in various applications. For example, when WD = 500 (mm), the narrow irradiation width of approximately 2.1 mm is maintained.

Distance from the object (mm)	Beam width(mm)(Reference Values)
WD=50	0.5
WD=100	0.6
WD=150	0.8
WD=200	1.0
WD=300	1.4
WD=400	1.7
WD=500	2.1

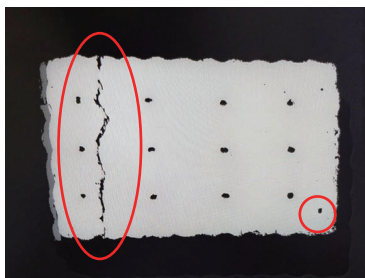
### Effective for light section measurement method and fine dust detection



When combined with a 3D measurement camera, the object's 3D data can be obtained and used for high resolution height, position, and volume measurements.



Objects with a crack, objects with contamination or damage



It displays irregularities such as cracks and contamination as monochrome images.



A more detailed stereoscopic display for height, shape, etc.

