

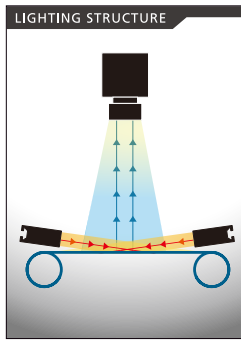
500,000 lx~ Slim body Line Illumination product(Natural Air Cooling) [IDBB-LSRS Series]

20mm streamlined case width!

Suitable for installations with limited space or low angle illumination requirements!

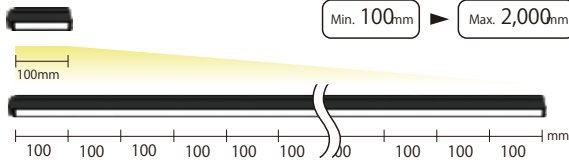
Natural Air Cooling Original Technology&Design Power LEDs Designs Registered Product

- Applications**
- High-performance film/Paper, Textiles and Fiber-related / FPD-related / Steel / Non-ferrous metals/Metal/Glass etc. industries
 - ➔ Surface scratch/Dirt/Particle/MURA inspection.etc
 - Electronic components etc. industries
 - ➔ Pattern and scratch inspection of PCBs.etc



- Product for limited space or low angle illumination requirements!
- Long lengths up to 2,000mm are standardly available(per. 100mm)!

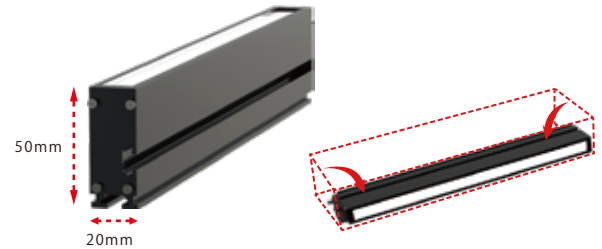
A Wide Range Of Size Variations Available



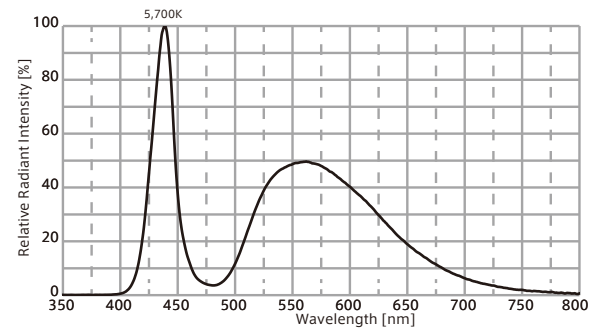
Long lengths up to 2,000mm are standardly available(per. 100mm)!

Achieved A Significant Size Reduction

Achieved a size reduction to a short side width of 20mm and height of 50mm, while ensuring a light-emitting width (short side) of 13mm. Compared to the 「IDBB-LSRA series」, this product achieves a slim design with half the thickness and approximately 35% less volume. As it is slim, it can be installed in narrow spaces and allows illumination from angles closer to the imaging axis of the camera.



Optical Spectrum (Ref.Value)



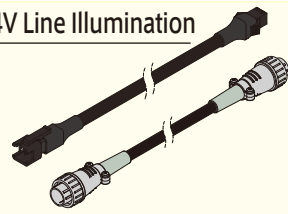
- Line illumination products
- IDBB-LSRF
 - IDBC-LSR
 - IDBB-LSRH
 - IDBB-LSRA
 - IDBB-LSRS
 - IDBC-LSRC
 - IDBB-LSRC
 - IDBC-RE
 - IDBB-RE
 - IDBA-RK
 - IQDH-RE
 - IMAR-D_8ch
 - IDR-LA-8ch
 - IDRA-T-8ch
 - IMAR-D
 - IMAR-CT D
 - IHR-LE
 - IHRB · IHRA
 - IDR-F
 - IDR-F33/16
 - IDR
 - IDR-LA
 - IDRA-T
 - IFR · IPR
 - IDBA-HM
 - IDBA-HMS
 - IDBA-HMS-IR
 - IDBA-FD
 - IDBA-LEH2
 - IDBA-LEH
 - IDBA-LE
 - IDBA-SE
 - IDBA-SL
 - IDBA
 - IDBA-Q
 - IFLA · IFLB
 - IDHM
 - IHMA
 - IHMA-V
 - IFPA
 - IFD-IR
 - IHMA-40D
 - IFPA-D
 - IPOC
 - IFHA
 - IDDB-KH · IDDA-KH
 - IDUB
 - IDD
 - IDD-CB
 - IQD · IQDH
 - IQDA-CB
 - IFVA · IFVB
 - IFVA-ST
 - IFV
 - IV-14 · IV-30
 - IHV-20 · IHVE-21
 - IHVA-SP · IHSL-SP
 - IBF
 - IHV-FX
 - RBOX
 - IDBB-CH
 - IDHRA
 - UV-CAN
 - Infrared
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 - IMAR-RGB
 - IDDA-KH-RGB
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 - ISU
 - ISS
 - Introduction of Customization
 - High speed and high magnification series kit products
 - ISC-24
 - Image capture evaluation kit products
 - IDMU
 - ILP
 - ILC
 - ILV
 - ILS
 - IPPA_G · IRPA_G
 - IPSA · IPPA
 - IDGC
 - IDPA
 - IDCA
 - IMC
 - IWDV-24
 - IWDV(S)-48
 - ISC
 - IJS
 - IJS-30M2-TP/SS
 - ILS-40M2-PI/SS
 - SAG
 - SLLUB
 - LLUB
 - IFIC
- Ring illumination products
- Bar illumination products
- Transmitted/area illumination products
- Dome illumination products
- Coaxial illumination products
- Special illumination products
- Kit products
- Controller products
- Other illumination products

Model	Color	Power Consumption(W)	Input Voltage	Applicable Controller	Drawing
IDBB-LSRS100W■	W	8	DC24V	IWDV-100S-24 (P.217)	1 n=1 n=2 n=3 n=4 n=5 n=6 n=7 n=8 n=9
IDBB-LSRS200W■	W	16			
IDBB-LSRS300W■	W	24			
IDBB-LSRS400W■	W	32			
IDBB-LSRS500W■	W	40			
IDBB-LSRS600W■	W	48			
IDBB-LSRS700W■	W	56			
IDBB-LSRS800W■	W	64			
IDBB-LSRS900W■	W	72			
IDBB-LSRS1000W■	W	80		IWDV-300S-24 (P.217)	2 n=10 n=11 n=12 n=13 n=14 n=15 n=16 n=17 n=18 n=19 n=20
IDBB-LSRS1100W■	W	88			
IDBB-LSRS1200W■	W	96			
IDBB-LSRS1300W■	W	104			
IDBB-LSRS1400W■	W	112			
IDBB-LSRS1500W■	W	120			
IDBB-LSRS1600W■	W	128			
IDBB-LSRS1700W■	W	136			
IDBB-LSRS1800W■	W	144			
IDBB-LSRS1900W■	W	152			
IDBB-LSRS2000W■	W	160			

- ★For high uniformity model, -S is indicated by ■ in the model table.
- ★Please refer to P.260 for the models of diffusing plates.
- ★Diffuser plate IKBB-LSRS□ could be attached (Option) □ = n × 100mm.
As a standard, the diffuser plate is available 100*1,800mm. (Diffusion rates for diffuser plates -30%, 60%, 80%, and 90%).
When ordering lighting, please specify whether you require the attachment of a condenser lens and a diffusion plate.
- ★Please note that the illumination which length is over 900mm, cannot be directly connected to the controller, a connection cable of any length is necessary.
- ★The I-CB-S▽-24 connection cable is intended for illuminations with a length of under 900mm. Please refer to P.248 for details.
The I-CB-S▽R-MCB connection cable is intended for illuminations with a length over 900mm. Please refer to P. 249 for details.
The length of the cable (m) will be indicated in the ▼,▽section.(▽=1,2,3,4,5,10) (▽=1, 2, 3, 5, 7, 10)

Connection Cable For DC24V Line Illumination


I-CB-S_-24 Series
I-CB-S_R-MCB Series



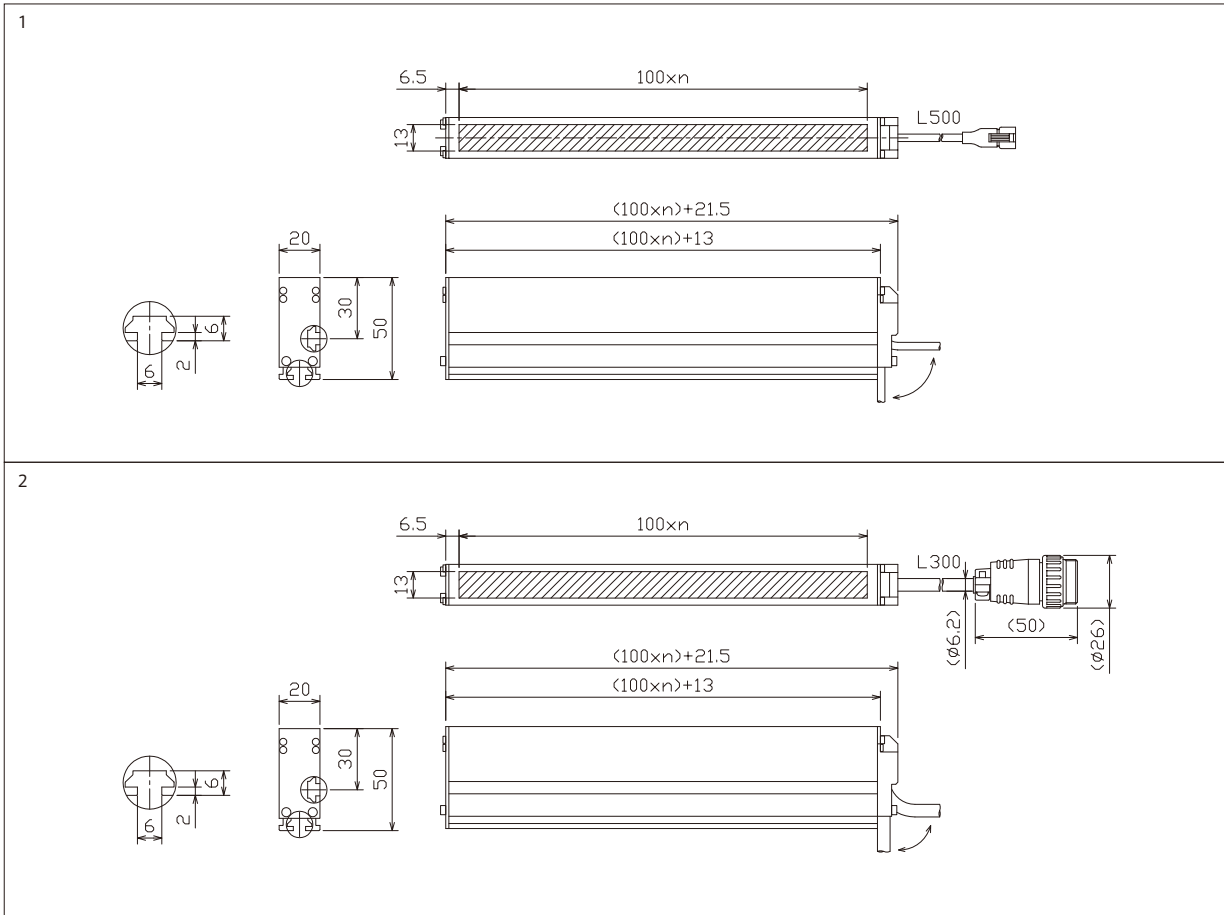
When used for moving parts such as robots, please use the I-CB-S_R-24-C02 series or I-CB-S_R-MCB series, which manufactured with robust robot cable with high flexibility.

Applicable Digital Controller(Voltage control)

IWDV-24 Series



Output control: 1,000 levels
External control: Ethernet and 10-bit parallel communications, ON/OFF control
By connecting IWDV-300M1-24 to IWDV-600M2-24, it is possible to control up to a max. of 4 channels
Please refer to P. 217 for more details.



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 - IDBA-SL
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 - IDBA-Q
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 - IDHM
 - IHMA
 - IHMA-V
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