

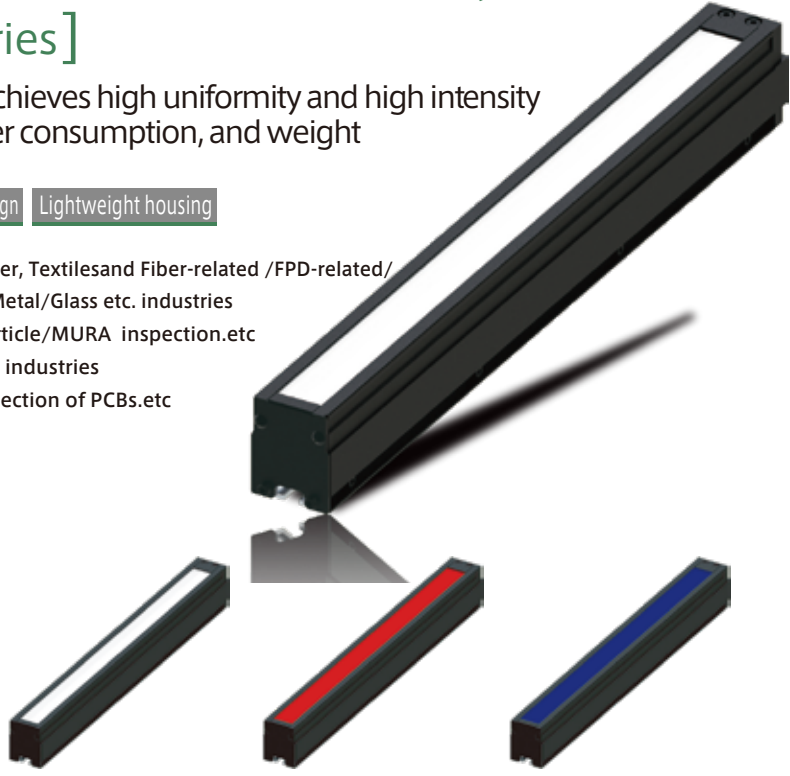
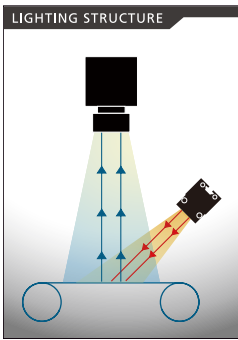
NEW

500,000 lx~Compact Line Illumination Product(Natural Air Cooling) [IDBC-LSRC Series]

Compact illumination that achieves high uniformity and high intensity while minimizing size, power consumption, and weight

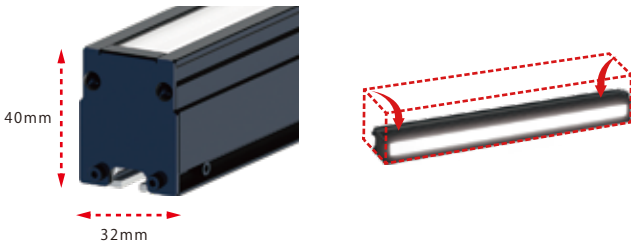
Natural Air Cooling Original Technology&Design Lightweight housing

- 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



2 Types Lineup High uniformity type:Max.1,500mm(per.100mm) /Concentrated illumination type:Max.1,000mm(per.100mm)

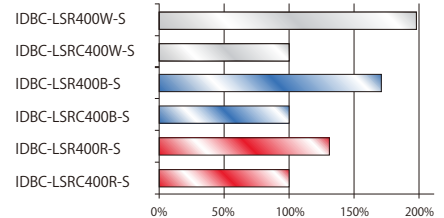
Achieved A Significant Size Reduction



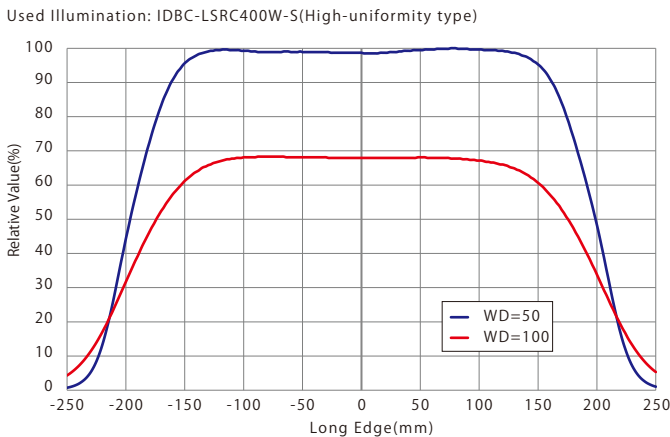
Achieved size compression down to a short side width of 32mm and height of 40mm while ensuring a luminous width (short side) of 18mm. Compared to the 「IDBC-LSR series」, this product achieves a reduction in size of approximately 43%. Due to the compact design, it is possible to illuminate from angles closer to the camera's imaging axis.

Comparison of Illumination Intensity (WD=50mm)

Although the size of the lightweight body is compact, it is capable of illumination with 50% or more light intensity compared to the IDBC-LSR series.

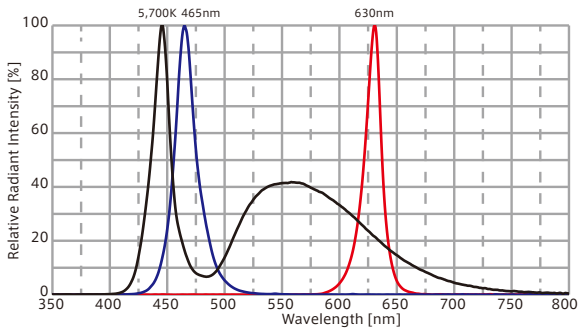


Illuminance Distribution Chart (Ref.Value)



- 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
- Infrared
- IMAR-RGB
- IDDA-KH-RGB
- RGB Full-color
- ISU
- ISS
- Introduction of Customization
- High-speed synchronous image capture 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

Optical Spectrum (Ref.Value)



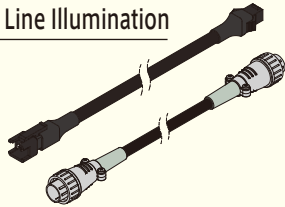
Model	Color	Power Consumption(W)	Input Voltage	Applicable Controller	Drawing
IDBC-LSRC100□-S■	R W B	10	DC24V	IDMU-24 Series (P.193) ILP-60M2-24 (P.197) (n ≤ 6) IDGC-24 Series (P.209)	1 n=1 n=2 n=3 n=4 n=5 n=6 n=7
IDBC-LSRC200□-S■	R W B	20			
IDBC-LSRC300□-S■	R W B	30			
IDBC-LSRC400□-S■	R W B	40			
IDBC-LSRC500□-S■	R W B	50			
IDBC-LSRC600□-S■	R W B	60			
IDBC-LSRC700□-S■	R W B	70			
IDBC-LSRC800□-S■	R W B	80		IWDV-100S-24 (P.217)	2 n=8 n=9 n=10 n=11 n=12 n=13 n=14 n=15
IDBC-LSRC900□-S■	R W B	90			
IDBC-LSRC1000□-S■	R W B	100			
IDBC-LSRC1100□-S	R W B	110			
IDBC-LSRC1200□-S	R W B	120			
IDBC-LSRC1300□-S	R W B	130			
IDBC-LSRC1400□-S	R W B	140			
IDBC-LSRC1500□-S	R W B	150			

- ★The emission color (W=White, B=Blue, R=Red) is indicated by □ in the model table.
- ★ For concentrated illumination type, -IL is indicated by ■ in the model table.
- ★Please note that the illumination which length is over 700mm, 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 700mm. Please refer to P. 248 for details. The I-CB-S▽R-MCB connection cable is intended for illuminations with a length over 700mm. Please refer to P.249 for details.
- The length of the cable (m) will be indicated in the ▼,▽ section.(▼=1, 2, 3, 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

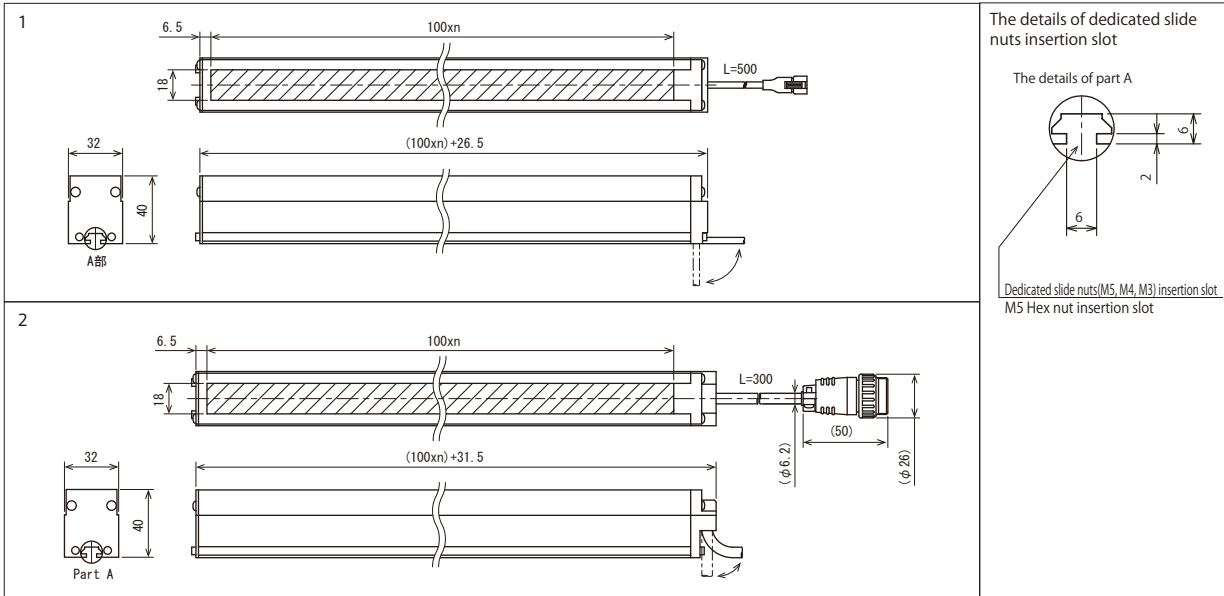
When used for moving parts such as robots, please use the I-CB-S_R-24-C02 series or I-CB-S_R-MCB series, which manufactured with robust robot cable with high flexibility



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.



Line illumination products

Ring illumination products

Bar illumination products

Transmitted line illumination products

Dome illumination products

Special illumination products

IoT products

Controller products

IoT 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
- IFD-IR
- IHMA-40D
- IFPA-D
- IPQC
- 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
- IMAR-RGB
- IDDA-KH-RGB
- RGB Full-color
- ISU
- ISS
- Introduction of Customization
- High-speed synchronous imaging series II 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
- SLUB
- LLUB
- IFIC