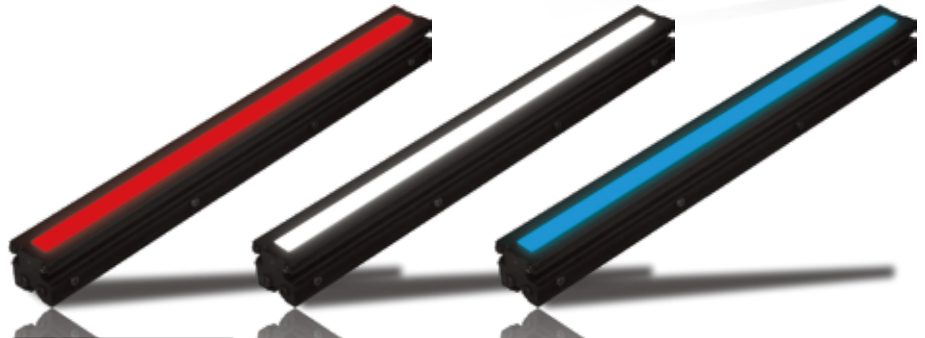
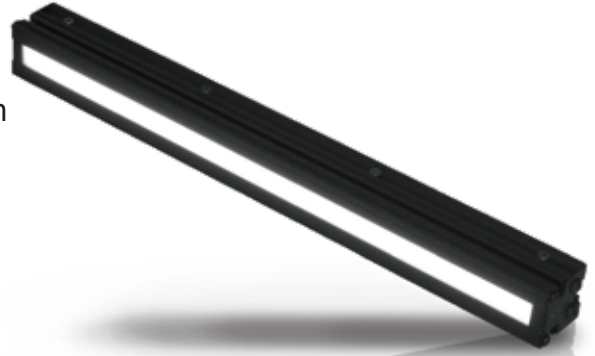


Backlight Line Illumination --Briback II (Natural Air Cooling) [IDBB-RE Series]

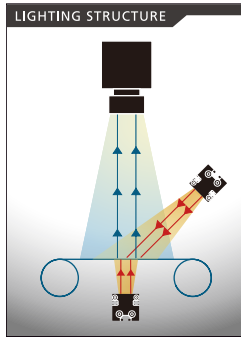
Standard diffuse line illumination
Lengths ranging from 100mm to 1,800mm are available as standard products

Natural Air Cooling Compact Design

- Applications**
- Film/FPD-related /Steel/Glass etc.industries
 - ➔ Mark/ Dirt/ Foreign matter inspection etc.
 - Food/ Packaging/ Pharmaceutical etc. industries
 - ➔ Dirt / Bite inspection of wrap etc.



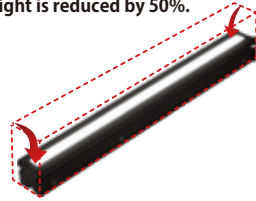
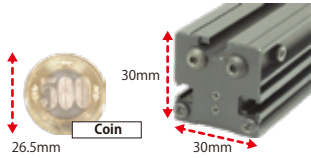
Standard Size Lineup 100 ~ 1,800mm (per.100mm)



Compact Size and Light-Weight Design

Achieved a significant reduction in size, to 30mm x 30mm, by extensively reviewing the optical system and heat dissipation structure.

Compared to our conventional products, the volume is reduced by 60%, and the weight is reduced by 50%.

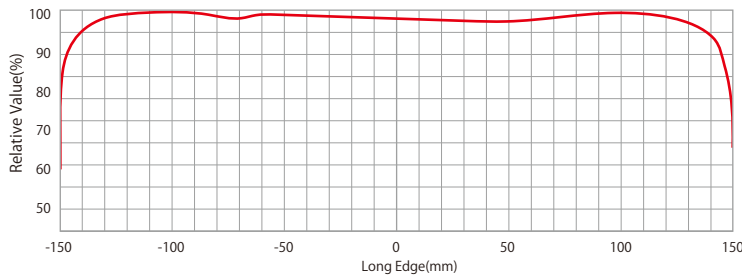


Easy Installation to Fit Clean Room Environments.



Luminance Distribution Chart(Ref.Value)

Longitudinal Direction(IDBC-RE300W)



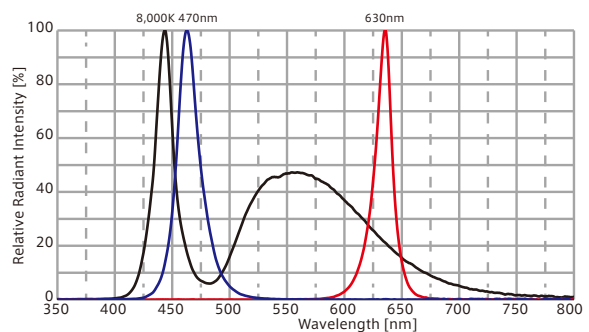
The Cable Drawer Is Designed With A 90-degree Range Of Motion.



The cable can be pulled out in a 90-degree range of motion, making it possible to easily manage cables even in tight installation spaces.

- 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
IDBB-RE100□	R W B	7	DC24V	IDMU-24 Series (P.193) ILP-60M2-24 (P.197) (n<8) IDGC-24 Series (P.209)	1 n=1 n=2 n=3 n=4 n=5 n=6 n=7 n=8 n=9
IDBB-RE200□	R W B	14			
IDBB-RE300□	R W B	21			
IDBB-RE400□	R W B	28			
IDBB-RE500□	R W B	35			
IDBB-RE600□	R W B	42			
IDBB-RE700□	R W B	49			
IDBB-RE800□	R W B	56			
IDBB-RE900□	R W B	63			
IDBB-RE1000□	R W B	70			
IDBB-RE1100□	R W B	77		IWDV-100S-24 (P.217)	2 n=11 n=12 n=13 n=14 n=15 n=16 n=17 n=18
IDBB-RE1200□	R W B	84			
IDBB-RE1300□	R W B	91			
IDBB-RE1400□	R W B	98			
IDBB-RE1500□	R W B	105			
IDBB-RE1600□	R W B	112			
IDBB-RE1700□	R W B	119			
IDBB-RE1800□	R W B	126			

★The emission color (W=White, B=Blue,R=Red) is indicated by □ in the model table.
 ★Please note that the illumination which length is over 1,000mm, cannot be directly connected to the controller, a connection cable of any length is necessary.
 ★The I-CB-S-V-24 connection cable is intended for illuminations with a length of under 1,000mm. Please refer to P.248 for details. The I-CB-S-V-R-MCB connection cable is intended for illuminations with a length over 1,000mm. 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

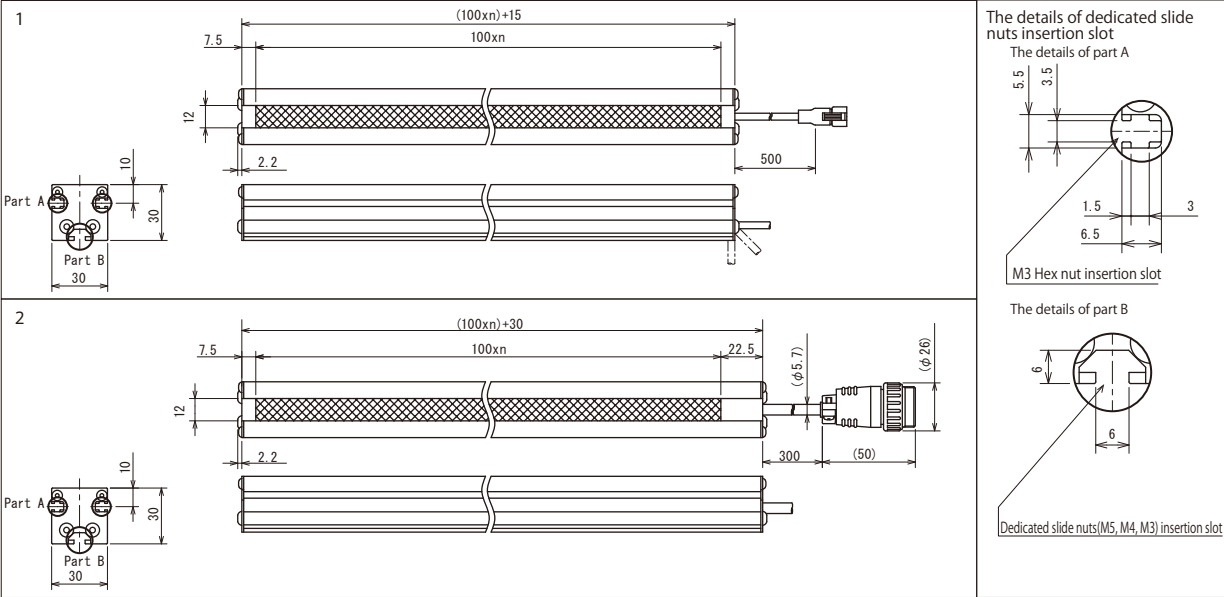
I-CB-S_-24 Series
I-CB-S_R-MCB Series

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.



- 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
- Ring illumination products
 - IDBA-HMS
 - IDBA-HMS-IR
 - IDBA-FD
 - IDBA-LEH2
 - IDBA-LEH
 - IDBA-LE
 - IDBA-SE
 - IDBA-SL
 - IDBA
 - IDBA-Q
 - IFLA · IFLB
- Bar illumination products
 - 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
- Special illumination products
 - 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
- Controller products
 - Introduction of Customization
 - High speed synchronous imaging camera 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