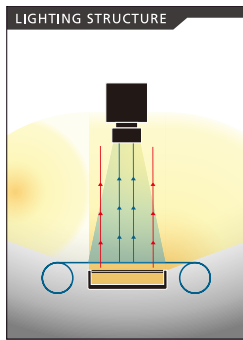
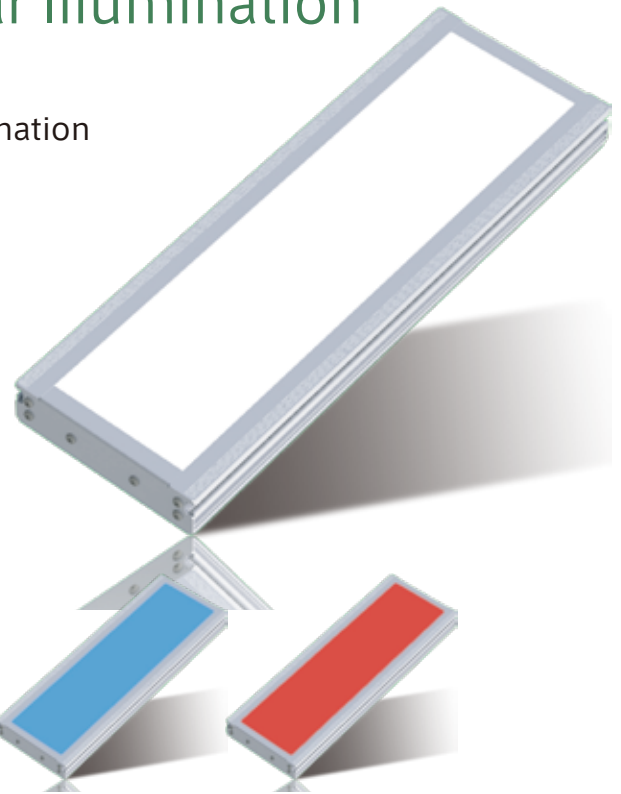


Wide Width Diffused Bar Illumination [IDBA-FD Series]

102mm emission surface wide bar illumination
Ideal for backlight applications

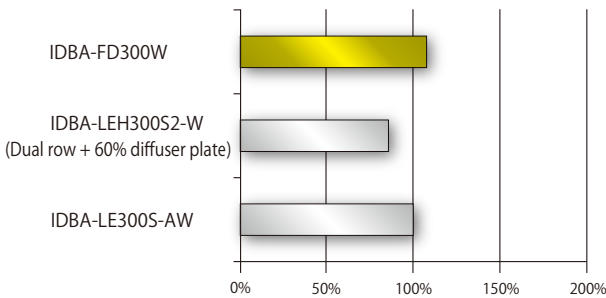
Wide area bar illumination with a 102mm emission width. It provides highly uniform illumination, allowing for wider-angle illumination compared to the IDBA-HM series. Compatible with large-scale equipment, with a maximum length of 2400mm.



Standard Size Lineup Standard Size Lineup: 100 ~ 2,400mm (per. 100mm)

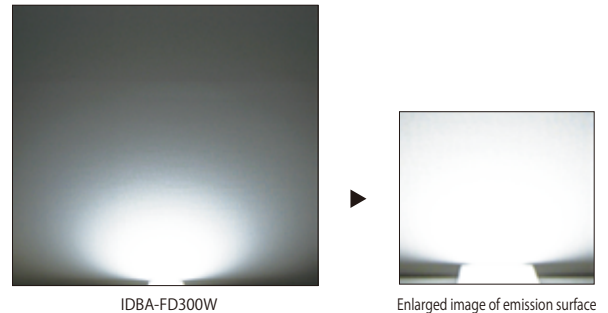
Luminance Comparison (Ref.Value)

The IDBA-FD series provides illumination with equal or higher luminance compared to the IDBA-LEH2 series with a 60% diffusion plate and the IDBA-LE series with a wide-angle light distribution specification (S type).



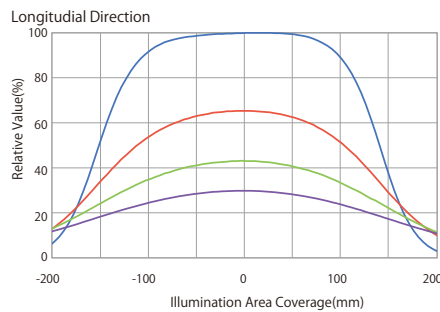
Wide-angle Light Distribution... Allows For Illuminating A Wide Area.

The IDBA-FD series has wider distribution angles compared to the IDBA-HM series, making it ideal for backlights.

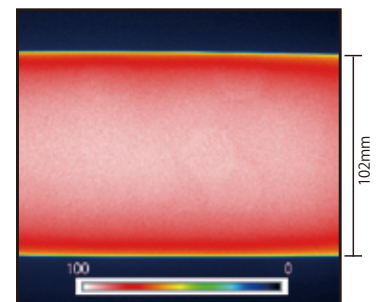


Illuminance Distribution Chart (Ref.Value)

Used Illumination: IDBA-FD300W



Luminance Distribution of the Emission Surface



- 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 and high image rate IC products
- ISC-24
- Image capture evaluation kit products
- 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

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
- 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
- Infrared
- IMAR-RGB
- IDDA-KH-RGB
- RGB Full-color
- ISU
- ISS

Introduction of Customization

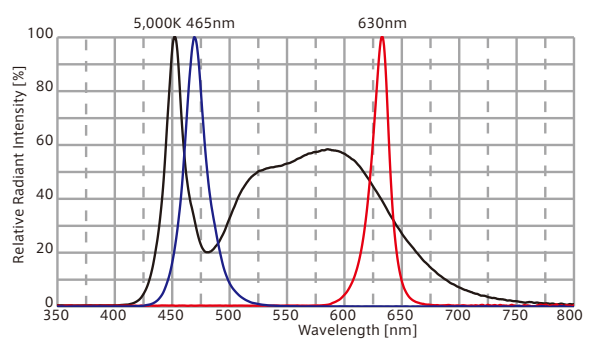
for products

- High-speed synchronous imaging camera products
- ISC-24
- Image capture evaluation kit products
- IDMU
- ILP
- ILC
- ILV
- ILS

Controller products

- IPPA_G · IRPA_G
- IPSA · IPPA
- IDGC
- IDPA
- IDCA
- IMC
- IWDV-24
- IWDV(S)-48
- ISC
- IJS
- IJS-30M2-TP/SS
- IJS-40M2-PI/SS
- SAG
- SLLUB
- LLUB
- IFIC

Optical Spectrum (Ref.Value)



Model	Color	Power Consumption(W)	Input Voltage	Applicable Controller	Drawing	
IDBA-FD100□	R W B	R: 15, W/B: 16.5	DC48V	①	n=1	
IDBA-FD200□	R W B	R: 30, W/B: 33		①	n=2	
IDBA-FD300□	R W B	R: 45, W/B: 49.5		①	n=3	
IDBA-FD400□	R W B	R: 60, W/B: 66		①	n=4	
IDBA-FD500□	R W B	R: 75, W/B: 82.5		①	n=5	
IDBA-FD600□	R W B	R: 90, W/B: 99		①	n=6	
IDBA-FD700□	R W B	R: 105, W/B: 115.5		①	n=7	
IDBA-FD800□	R W B	R: 120, W/B: 132		R: ①, W/B: ②	【 Applicable Controller①】 IWDV-120S-48 (P.219)	n=8
IDBA-FD900□	R W B	R: 135, W/B: 148.5		②	n=9	
IDBA-FD1000□	R W B	R: 150, W/B: 165		②	n=10	
IDBA-FD1100□	R W B	R: 165, W/B: 181.5		②	【 Applicable Controller②】 IWDV-300S-48-C1 IWDV-600S-48-C1 (P.219)	n=11
IDBA-FD1200□	R W B	R: 180, W/B: 198		②	n=12	
IDBA-FD1300□	R W B	R: 195, W/B: 214.5		②	n=13	
IDBA-FD1400□	R W B	R: 210, W/B: 231		②	n=14	
IDBA-FD1500□	R W B	R: 225, W/B: 247.5		②	n=15	
IDBA-FD1600□	R W B	R: 240, W/B: 264		②	n=16	
IDBA-FD1700□	R W B	R: 255, W/B: 280.5		②	【 Applicable Controller③】 IWDV-600S-48-C1 (P.219)	n=17
IDBA-FD1800□	R W B	R: 270, W/B: 297		②	n=18	
IDBA-FD1900□	R W B	R: 285, W/B: 313.5		R: ②, W/B: ③	n=19	
IDBA-FD2000□	R W B	R: 300, W/B: 330		R: ②, W/B: ③	n=20	
IDBA-FD2100□	R W B	R: 315, W/B: 346.5		③	n=21	
IDBA-FD2200□	R W B	R: 330, W/B: 363		③	n=22	
IDBA-FD2300□	R W B	R: 345, W/B: 379.5		③	n=23	
IDBA-FD2400□	R W B	R: 360, W/B: 396		③	n=24	

★ The emission color (W=White, R=Red, B=Blue) is indicated by □ in the model table.
 ★ Please note that the illumination cannot be directly connected to the controller, a connection cable of any length is necessary.
 ★ DC24V products are also available. Please feel free to contact us for more information.

Connection Cable For DC48V Illumination

I-CB-S_ -DNEL Series

This is a cable used for DC48V illuminations such as IDBA-FD and IFD, compatible with IWDV-48-C1 series & IWDV-120S-48. For the connection with the other IWDV-48 series controllers that do not have the "-C1" suffix at the end of the model, please use the I-CB-S_ -DN cable.

Recommended Digital Controller(Voltage control)

IWDV-48 Series

Ideal high-capacity controller for line sensors and large surface illuminations
 Output control: 1,000 levels
 External control: Ethernet and 10-bit parallel communications, ON/OFF control

