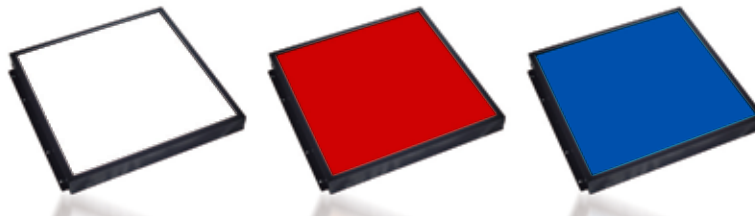
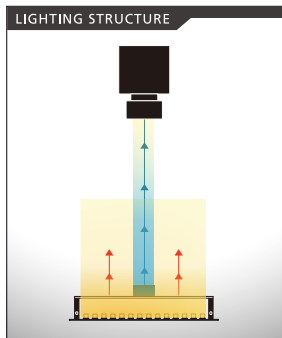
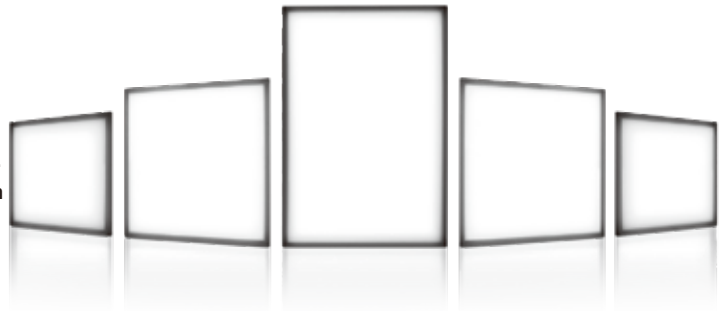


# Backlight-Large Area Illumination [IFPA Series]

Large and uniform area illumination for backlight application  
Available in multiples of 100mm<sup>2</sup> sizes (Up to 400mm<sup>2</sup> as standard)

## Power LEDs

- Applications**
- Automotive parts/ on-board/ machinery parts industry etc.
  - Visual inspection of large-sized objects.
  - Printing/engraving/quantity inspection of large-sized objects.



**Standard Size Lineup** Standard release in 10 sizes by multiples of 100mm<sup>2</sup> sizes (Up to 400mm<sup>2</sup> as standard)

## Imaging Example

Ideal for visual inspection of large-sized objects.



IFPA-400/400AWHV



IFPA-400/400AWHV

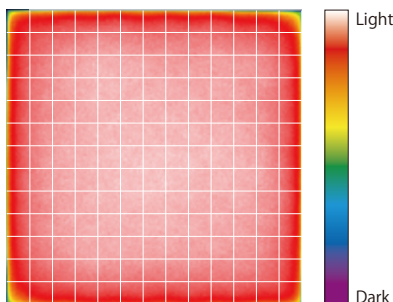


IFPA-200/200AWHV

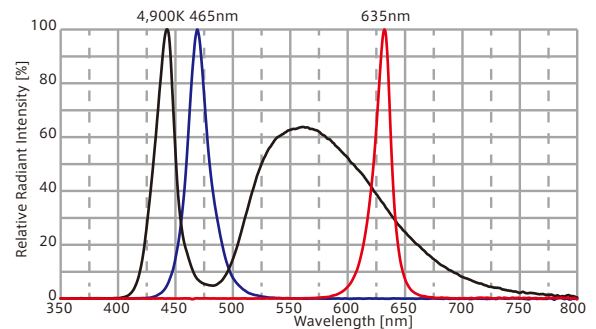
## Emitting Surface Luminance Distribution (Ref.Value)

Achieved illuminate the area with uniformity of within 10%, excluding approximately 50mm from the outer edge of the emitting surface.

Used Illumination:IFPA-300 /300AWHV



## 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

Ring illumination products

- IFLA · IFLB
- IDHM
- IHMA
- IHMA-V
- IFPA
- IFD-IR
- IHMA-40D
- IFPA-D

Bar illumination products

- 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

Dome illumination products

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

Special illumination products

- Introduction of Customization
- High speed/ultra high speed/area light products
- ISC-24
- Image capture evaluation kit products

Kit products

- IDMU

Controller products

- 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

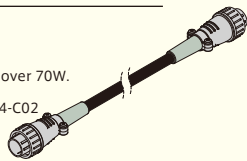
Model	Color	Power Consumption(W)	Input Voltage	Applicable Controller	Drawing
IFPA-100/100□HV	R AW B	10	DC24V	IDMU-24 series ( P.193) ILP-60M2-24 ( P.197) IDGC-24 series ( P.209) etc.	1
IFPA-200/100□HV	R AW B	20			2
IFPA-300/100□HV	R AW B	30			3
IFPA-400/100□HV	R AW B	40			4
IFPA-200/200□HV	R AW B	40		5	
IFPA-300/200□HV	R AW B	60		6	
IFPA-400/200□HV	R AW B	80		7	
IFPA-300/300□HV	R AW B	90		8	
IFPA-400/300□HV	R AW B	120		9	
IFPA-400/400□HV	R AW B	160		IWDV-300S-24 (P.217)	10

- ★The emission color (AW=White,R=Red,B=Blue) is indicated by □ in the model table.
- ★For the products with power consumption of less than 70W, use an extension cable for DC24V illumination on P.248.
- ★Please note that the products with power consumption over 70W, cannot be directly connected to the controller, a connection cable of any length is necessary.
- ★Please refer to P. 249(Connection Cable For DC24V Illumination) for details.

### Connection Cable For DC24V Illumination

#### I-CB-S\_R-MCB Series

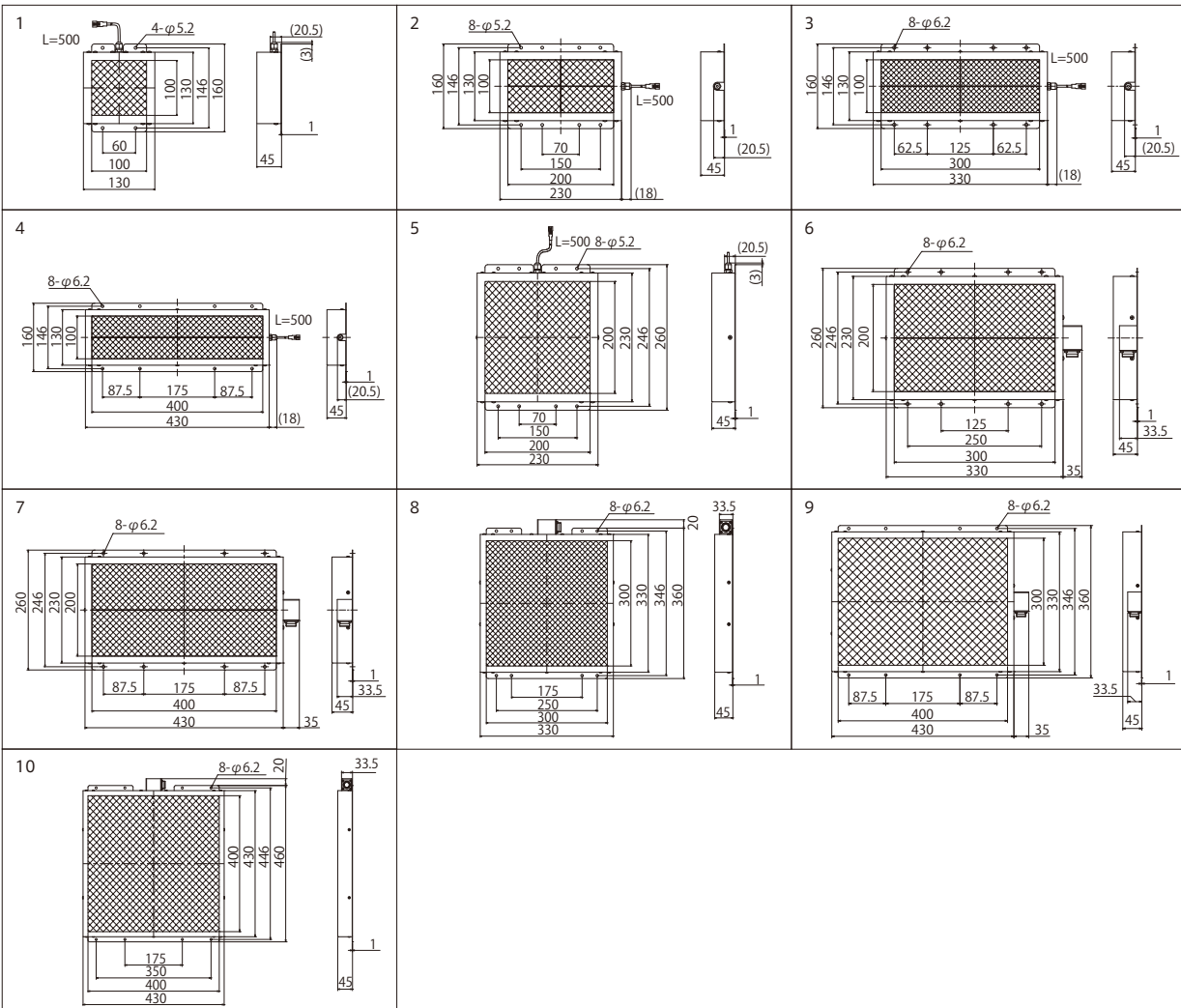
The I-CB-S\_R-MCB Series is compatible for connecting DC24V illuminations with a power over 70W. For products with a power less than 70W, please use the I-CB-S\_-24 series and I-CB-S\_R-24-C02 series (robot cable) for extension purposes.



### Recommended 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/area illumination products

Dome Illumination products

Special Illumination products

Introduction of Customization

Controller products

Other products

Other 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
- ISC-24
- IDMU
- ILP
- ILC
- ILV
- ILS
- IPPA\_G · IRPA\_G
- IPSA · IPPA
- IDGC
- IDPA
- IDCA
- IMC
- IWDV-24
- IWDV(S)-48
- ISC
- IJS
- IUS-30M2-TP/SS
- ILS-40M2-PI/SS
- SAG
- SLLUB
- LLUB
- IFC