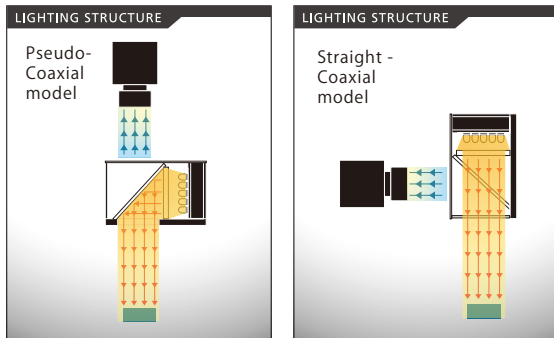


Pseudo-Coaxial Illumination [IFV Series]

Pseudo-Coaxial illumination with high uniformity irradiating light
Ideal for objects with mirrored surfaces

24V DC Models Available

- Applications**
- Semiconductor/Electronic components industry etc.
 - ➔ Pattern inspection of PCBs & Marking inspection of wafers
 - Food/Pharmaceutical/Packaging industry etc.
 - ➔ Inspection & recognition of printed characters on the sheet etc.



Standard Size Lineup Standard release in □13/□20/□32/□40/□50/□70/□100mm 7sizes

Pseudo-Coaxial Model

| Model | Color | Power Consumption(W) | Input Voltage | SAG(※) | Applicable Controller | Drawing |
|-------------|--------|----------------------|---------------|--------|--|---------|
| IFV-C13□-HM | DR | 0.3 | DC12V | C5 | IDMU Series (P.193) ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc. | 1 |
| | DW B G | 0.6 | | FF | | |
| IFV-C20□ | DR | 1.2 | | C6 | | 2 |
| | DW B G | 1.7 | | FF | | |
| IFV-C32□ | DR | 2.4 | | C6 | | 3 |
| | DW B G | 2.6 | | FF | | |
| IFV-C40□ | DR | 3.6 | | C7 | | 4 |
| | DW B G | 3.1 | | FF | | |
| IFV-C50□ | DR | 6 | | C9 | 5 | |
| | DW B G | 4.9 | | FF | | |
| IFV-C70□ | DR | 10.2 | | CC | 6 | |
| | DW B G | 10.1 | | FF | | |
| IFV-C100□ | DR | 19.2 | | D2 | 7 | |
| | DW B G | 19.5 | | FF | | |

Straight-Coaxial Model(Beam Splitter)

| Model | Color | Power Consumption(W) | Input Voltage | SAG(※) | Applicable Controller | Drawing |
|-----------------|--------|----------------------|---------------|--------|---|---------|
| IFV-C18□-BS-C01 | DR | 1.2 | DC12V | C6 | IDMU Series (P.193) ,ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc. | 8 |
| | DW B G | 1.3 | | FF | | |
| IFV-C28□-BS-C01 | DR | 2.2 | | C7 | | 9 |
| | DW B G | 3.5 | | FF | | |

Straight-Coaxial Model(Half Mirror)

| Model | Color | Power Consumption(W) | Input Voltage | SAG(※) | Applicable Controller | Drawing |
|--------------|--------|----------------------|---------------|--------|--|---------|
| IFV-C32□-C01 | DR | 2.4 | DC12V | C6 | IDMU Series (P.193) ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc. | 10 |
| | DW B G | 2.6 | | FF | | |
| IFV-C40□-C01 | DR | 3.6 | | C7 | | 11 |
| | DW B G | 3.1 | | FF | | |
| IFV-C50□-C01 | DR | 6 | | C8 | 12 | |
| | DW B G | 4.9 | | FF | | |

★The emission color (W=White,R=Red,B=Blue,G=Green,IR-850=IR) is indicated by □ in the model table.
★DC24V products and customize sizes are also available aside from the ones listed above. Please feel free to contact us for more information.
※SAG: The maximum instantaneous upper limit output voltage setting value in the controller for the corresponding illumination when used in combination with the Overdrive controller.

- 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
 - Infrared
 - IMAR-RGB
 - IDDA-KH-RGB
 - RGB Full-color
 - ISU
 - ISS
 - Introduction of Customization
 - High-speed and high-precision color IC products
 - ISC-24
 - Image capture evaluation kit products
 - IFC 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
- Dome illumination products (transmitted area illumination products)
- Coaxial illumination products
- Special illumination products
- Controller products
- Other illumination products

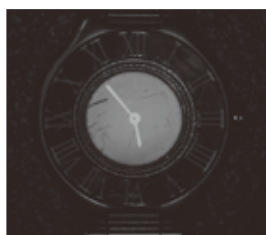
- Line illumination products
 - IDBB-LSRF
 - IDBC-LSR
 - IDBB-LSRH
 - IDBB-LSRA
 - IDBB-LSRS
 - IDBC-LSRC
 - IDBB-LSRC
 - IDBB-RE
 - IDBB-RE
 - IDBB-RE
 - IDBA-RK
 - IQDH-RE
 - IMAR-D_8ch
 - IDR-LA-8ch
 - IDRA-T-8ch
 - IMAR-D
 - IMAR-CT-D
 - IHR-LE
 - IHRB · IHRA
 - IDR-F
 - IDR-F33/16
 - IDR
 - IDR-LA
 - 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
 - IDHM
 - IHMA
 - IHMA-V
 - IFPA
 - IFD
 - 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
- Special illumination products
 - IBF
 - IHV-FX
 - RBOX
 - IDBB-CH
 - IDHRA
 - UV-CAN
 - Infrared
 - Infrared
 - IMAR-RGB
 - IDDA-KH-RGB
 - RGB Full-color
 - ISU
 - ISS
- Controller 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
- Other products
 - Introduction of Customization
 - High speed synchronous imaging spare kit products
 - ISC-24
 - Image capture evaluation kit products

Imaging Example

By illuminating light from the optical axis and utilizing specular reflection, it becomes easy to identify defects in the target object.



Bar Illumination



IFV-C50DR

Optical Spectrum (Ref.Value)

