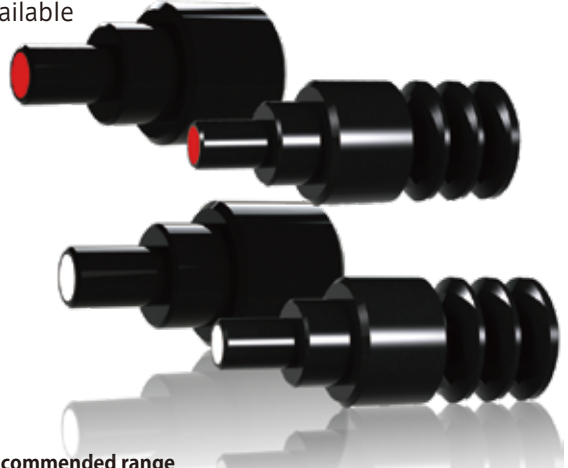
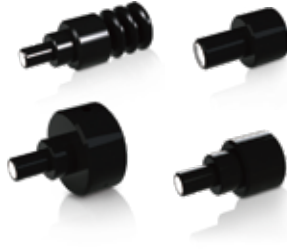
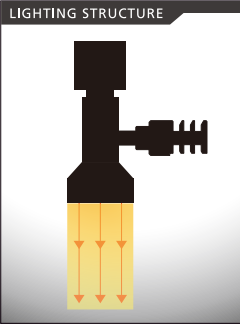


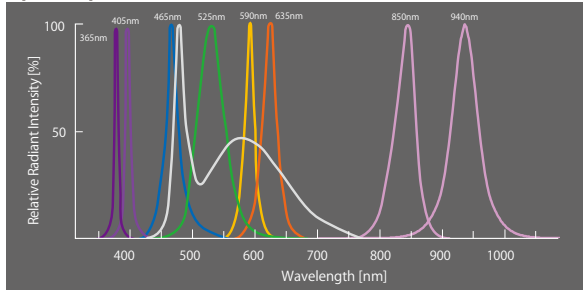
Coaxial Spot Illumination [IV-14·IV-30·IHV-20·IHVE-21 Series]

Various ultra-high intensity coaxial illuminations that are suitable for different magnifications
IR 850~1650nm and Ultraviolet 365 ~ 405nm are also available

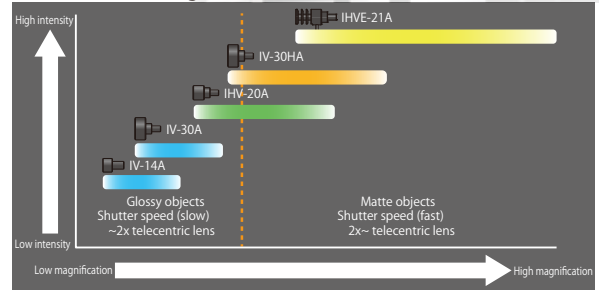
Design Registered *IHVE-21A Power LEDs *Excluding IV-14mk II



Optical Spectrum (Ref.Value)



Recommended range



IHVE-21A

Achieved the highest class of brightness in the industry through our original optical design. Ideal for high magnification lenses.

Image of the 2D code on PCB

Image of alignment marks on the LCD panel

IHVE-21AW Overdrive vs Continuous lighting: Approx. 3x Even Brighter

IHVE-21AW Continuous lighting vs IHVD-22W Continuous lighting: Approx. 1.7x Brighter

Used Illumination : IHVE-21AW

White color temperature : 6,500K(typ)

IHV-20A

Compact & high intensity. Maximum brightness of up to 8 times is achievable with overdrive illumination. Can be used across a wide range of magnifications, from low to high.

Image of alignment marks on the LCD panel

IHV-20AW Overdrive vs Continuous lighting: Approx. 8x Even Brighter

IHV-20AW Continuous lighting vs IHV-20W Continuous lighting: Approx. 1.4x Brighter

Used Illumination : IHV-20AW

White color temperature : 6,500K(typ)

IV-14A

Achieved the smallest lighting with 12V DC drive in the industry due to our original optical design.

Weight 15g

Smallest in the industry
IV-14A series

Space saving for installation

IV-14AW Overdrive vs Continuous lighting: Approx. 3x Even Brighter

IV-14AW Continuous lighting vs IV-14DWmk II Continuous lighting: Approx. 1.7x Brighter

White color temperature : 4,900K(typ)

IV-30A

Achieved high intensity with 12V DC drive due to our original optical design. Ideal for various applications.

Cable is movable to 90°
IV-30A series

Side out

Back out

IV-30AW Overdrive vs Continuous lighting: Approx. 3x Even Brighter

IV-30AW Continuous lighting vs IV-30W Continuous lighting: Approx. 1.5x Brighter

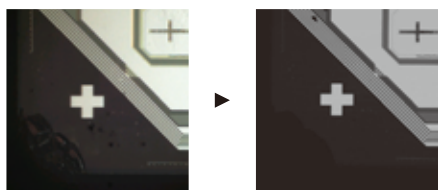
White color temperature : 4,900K(typ)

*White color temperature (typ) is a typical value. Please contact us for the details.

- 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
- IPLA · 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 magnification series (K) 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

Effect

Able to capture images even at shutter speed 1/20,000.
Used Illumination: IHVE-21AW



Color camera image

Monochrome camera image

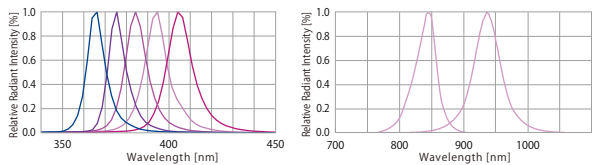
Model	Color	Power Consumption	Input Voltage	Applicable Controllers	Drawing
IV-14□mk II	R DW B G	0.24W	DC12V	IDMU Series (P.193) ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc.	1
IV-14A■	R W B G	1W			2
IV-30A■	R W B G	2W			3
IV-30HA▼	R W B G Y	2W			4

Model	Color	Input Voltage	Applicable Controllers	Drawing
IHV-20A▼	R W B G Y	350mA	ILC-350M2-VI (P.199) IDCA series (P.213)	5
IHVE-21A▼	R W B G Y	700mA	ILC-700M2-VI (P.199) IDCA series (P.213)	6

★The emission color (DW=White,R=Red,B=Blue,G=Green) is indicated by □ in the model table.
★The emission color (W=White,R=Red,B=Blue,G=Green) is indicated by ■ in the model table.
★The emission color (W=White,R=Red,B=Blue,G=Green,Y=Yellow) is indicated by ▼ in the model table.

Infrared and Ultraviolet Coaxial Spot Illumination

Model	Color	Input Voltage	Applicable Controllers	Drawing
IHV-20AUV-365	UV (365)	350mA	ILC-350M2-VI (P.199) IDCA series (P.213)	5
IHV-20AUV-375	UV (375)			
IHV-20AUV-385	UV (385)			
IHV-20AUV-395	UV (395)			
IHV-20AUV-405	UV (405)			
IHV-20AIR-850	IR (850)	700mA	ILC-700M2-VI (P.199) IDCA series (P.213)	6
IHV-20AIR-940	IR (940)			
IHVE-21AUV-365	UV (365)			
IHVE-21AUV-375	UV (375)			
IHVE-21AUV-385	UV (385)			
IHVE-21AUV-395	UV (395)			
IHVE-21AUV-405	UV (405)			
IHVE-21AIR-850	IR (850)			
IHVE-21AIR-940	IR (940)			



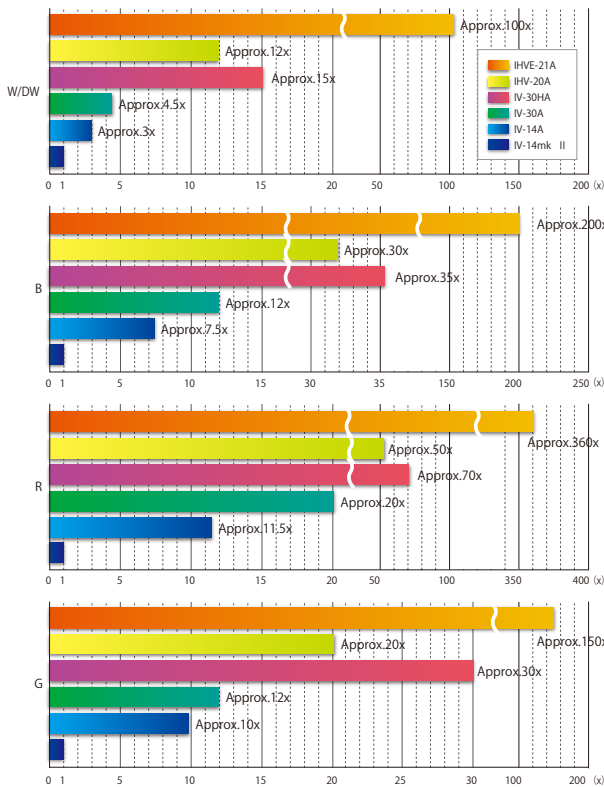
Optional Parts Resistance Box (Foe IHV/IHVE series)



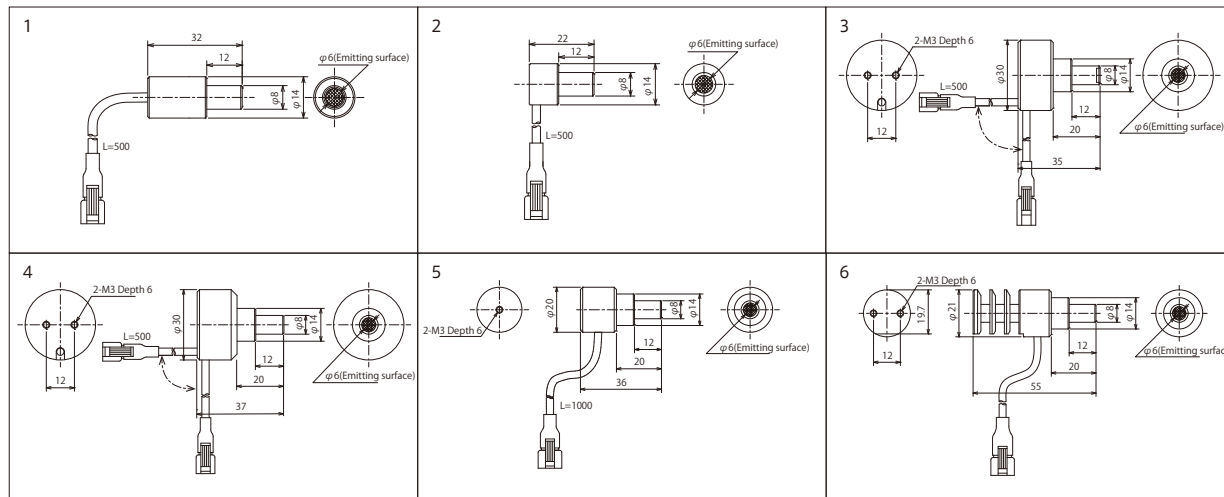
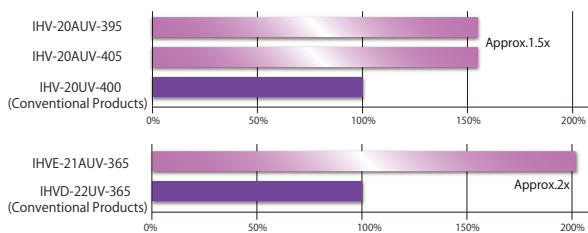
This is necessary when using with DC12V output controller. By using a resistance box, it can be connected to controllers (ILP, IDGC, etc.) other than the specified controller. It is also required when enabling overdrive illumination.

Please refer to P.160 for more details.

Luminance Comparison of Each Wavelength (Ref. Value) based on IV-15mklI



Irradiance Intensity Comparison of UV Illumination



- Line illumination products
 - IDBB-LSRF
 - IDBC-LSR
 - IDBB-LSRH
 - IDBB-LSRA
 - IDBB-LSRS
 - IDBB-LSRC
 - IDBC-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
- Ring illumination products
 - IDBA-HM
 - IDBA-HMS
 - IDBA-HMS-IR
 - IDBA-FD
 - IDBA-LEH2
 - IDBA-LEH
 - IDBA-LE
 - IDBA-SE
 - IDBA-SL
 - IDBA
 - IDBA-Q
- Bar illumination products
 - IFLA · IFLB
 - IDHM
 - IHMA
 - IHMA-V
 - IFPA
 - IFD
 - IFD-IR
 - IHMA-40D
 - IFPA-D
 - IPQC
 - IFHA
- Transmitted/area illumination products
 - IDDB-KH · IDDA-KH
 - IDUB
 - IDD
 - IDD-CB
 - IQD · IQDH
 - IQDA-CB
- Dome illumination products
 - IFVA · IFVB
 - IFVA-ST
 - IFV
 - IV-14 · IV-30
 - IHV-20 · IHVE-21
 - IHVA-SP · IHSL-SP
- Coaxial illumination products
 - 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 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
 - ILS-40M2-PI/SS
 - SAG
 - SLLUB
 - LLUB
 - IFC