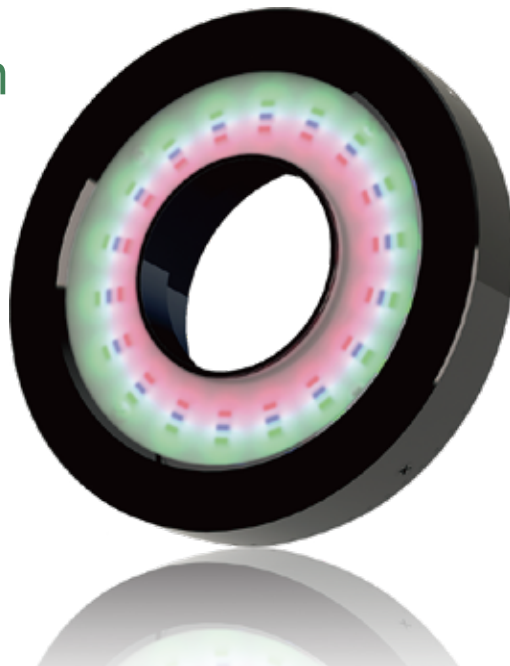


RGB Full-Color Illumination [RGB 3-Color series]

Various standard RGB full-color illumination for wide wavelength range visible light applications

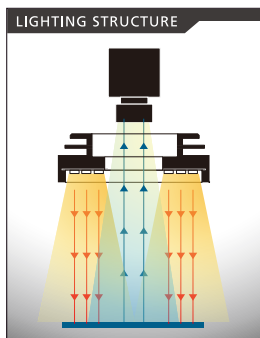


Design Registered

※IHRGB Series

Applications

- Automotive parts/ on-board parts industry etc.
 - Color identification with a colorimeter
- Food/Packaging industry, etc.
 - Inspection of dirt and text on color packages
- Electronic components industry etc.
 - Inspection of solder ball etc.

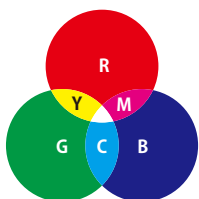


Standard Size Lineup

Such as Flat-surface Illumination, Direct Bar Illumination, Half-Pipe Illumination, Direct Ring Illumination, Low-Angle Direct Ring Illumination, Coaxial Illumination, Spot Illumination and various other options to meet specific requirements.

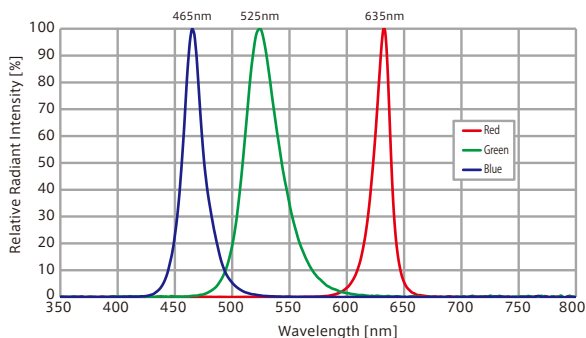
Imaging Example

Image Example with RGB 3-Color series Image example of blended RGB color. Used Illumination: IHRGB-120A



Yellow, magenta, cyan, etc., can be created by mixing red, green, and blue. It can be used in a variety of applications, such as emphasizing color contrast by changing the emission color.

Optical Spectrum (Ref. Value)



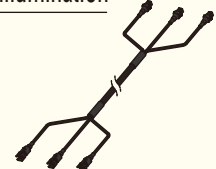
- IDBB-LSRF
- IDBC-LSR
- IDBB-LSRH
- IDBB-LSRA
- IDBB-LSRS
- IDBC-LSRC
- IDBB-LSRC
- IDBC-RE
- IDBB-RE
- IDBA-RK
- IQDH-RE
- IMAR-D_8ch
- IDR-LA-8ch
- IDRA-T-8ch
- IMAR-D
- IMAR-CT D
- IHR-LE
- IHRB · IHRA
- IDR-F
- IDR-F33/16
- IDR
- IDR-LA
- IDRA-T
- IFR · IPR
- IDBA-HM
- IDBA-HMS
- IDBA-HMS-IR
- IDBA-FD
- 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
- 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
- IC 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

Model	Power Consumption (W)			Input Voltage	SAG (※)			Applicable Controllers	Drawing
	R	G	B		R	G	B		
IHRGB-100A	5	5	5	DC12V	7A	67	75	IDMU series (Continuous lighting) (P.193) IDGC-30M4 series (Continuous lighting) (P.209) IJS-40M4-TP (Overdrive lighting) (P.223)	1
IHRGB-120A	5.7	5.7	5.7		7D	6A	79		2
IDHM-32/36RGB	1.2	1.2	1.2		FF	CB	AF		3
IDHM-45/45RGB	1.5	2	2		FF	E3	BF		4
IDHM-55/55RGB	2.2	2.9	2.9		FF	FF	E0		5
IDHM-100/100RGB	5.2	4.3	4.3		FF	FF	FF		6
IFLA-25/25RGB	0.3	0.3	0.3		FF	DC	CD		7
IFLA-30/41RGB	0.5	0.5	0.5		FF	DF	CF		8
IFLA-30/80RGB	1	1	1		FF	E5	D1		9
IFV-C32RGB-CP	1.2	1.2	1.2		FF	CB	AF		10
IFV-C40RGB-CP	1.5	2	2		FF	E3	BF		11
IFV-C50RGB-CP	2.2	2.9	2.9		FF	FF	D9		12
Model	Input Voltage			Applicable Controllers			Drawing		
IHV-22RGB-P1	200mA			IDCA Series (P.213), etc.			13		

※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.


3- Barch Extension Cable For DC12V Illumination

I-CB-TT Series
When used for moving parts such as robots, please use the I-CB-T_R-C02 series, which manufactured with robust robot cable with high flexibility.
For DC24V model, please use the I-CB-T_-24 series or I-CB-T_R-24-C02 series.



Recommended Digital Controller(PWM Control)

IDMU Series
Output control: 1,000 Levels
Compact PWM controller with DC24V input voltage, ideal for installation inside panels
Expandable up to 40 channels by linking units
Equipped with programming and camera trigger output functions, making it versatile.



The drawings show various bar illumination models (1-13) with their respective dimensions, cable lengths (L=500), and mounting details. Some models include half mirrors and specific cable depths (e.g., M3 Depth 7, M4 Depth 4).

- The following residence box is required when using with 12V DC output controllers.
RBOX22-RGB-P1-S is for illuminating a single color, and RBOX22-RGB-P1-F is for illuminating multiple colors simultaneously.

- 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 · IHV-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
- 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
 - SLUB
 - LLUB
 - IFC