

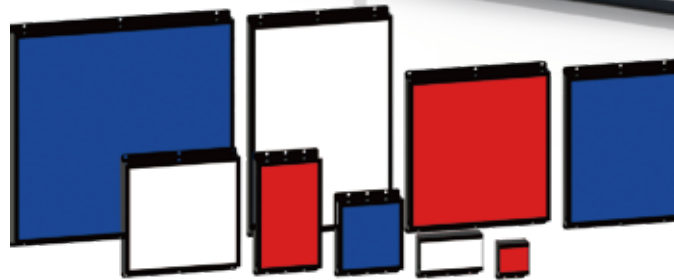
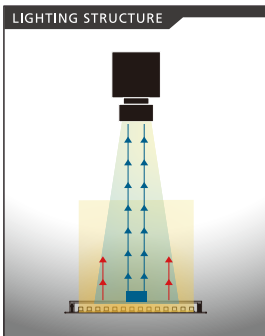
NEW

Backlight-High Power Chip LED Flat-surface Illumination [IHMA Series]

High power Chip LED with Leimac's original heat dissipation technology
High uniformity, high intensity, and lightweight realized together

24V DC Models Available | Designs Registered Product

- Applications**
- Connector manufacturing industry etc.
 - ➔ Inspection & Measurement of connector pin pitch.
 - FPD/Liquid crystal glass industry etc.
 - ➔ Inspection & Recognition of alignment mark / data code



Standard Size Lineup Standard release in 9 sizes from 25x30~214x226mm²

Over 3 Times The Maximum Luminance Increase!

Approximately 170% increase in luminance with the 108x114 size in white color. It is also suitable for high-speed inspections.

IHM-108/114AW



Shutter Speed: 1/10,000
Lighting output:100%

IHMA-108/114W



Shutter Speed: 1/10,000
Lighting output:100%

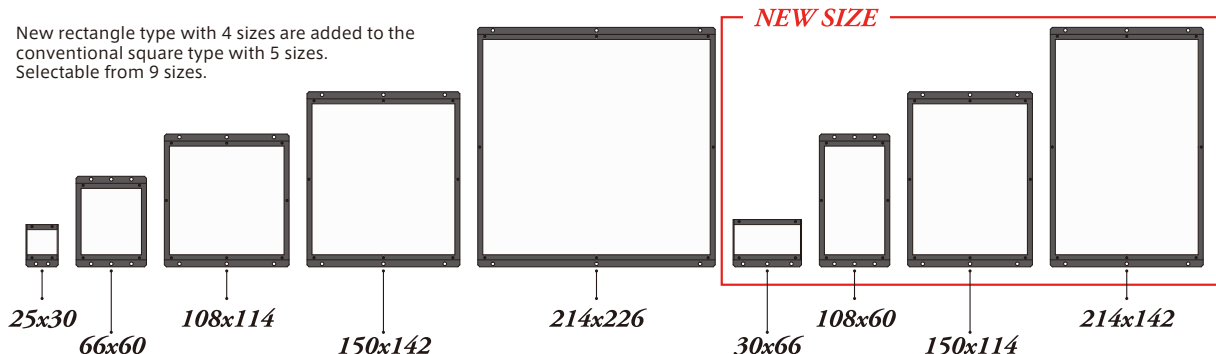
Lighting Distribution Characteristics of IHMA Series With Diffuse Light Type

When it comes to inspecting foreign particles inside translucent resin products, the IHMA series with diffuse light type is the perfect solution. It provides a clean and clear view throughout the resin, even up to the edges.



A Wide Range of Size Variations Available

New rectangle type with 4 sizes are added to the conventional square type with 5 sizes. Selectable from 9 sizes.



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
- IFPA-D
- 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

Special illumination products

Introduction of Customization

High-speed and high-resolution 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

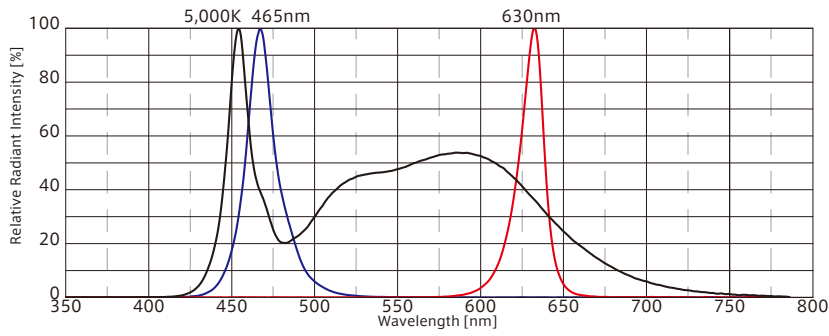
IFIC

Ring illumination products

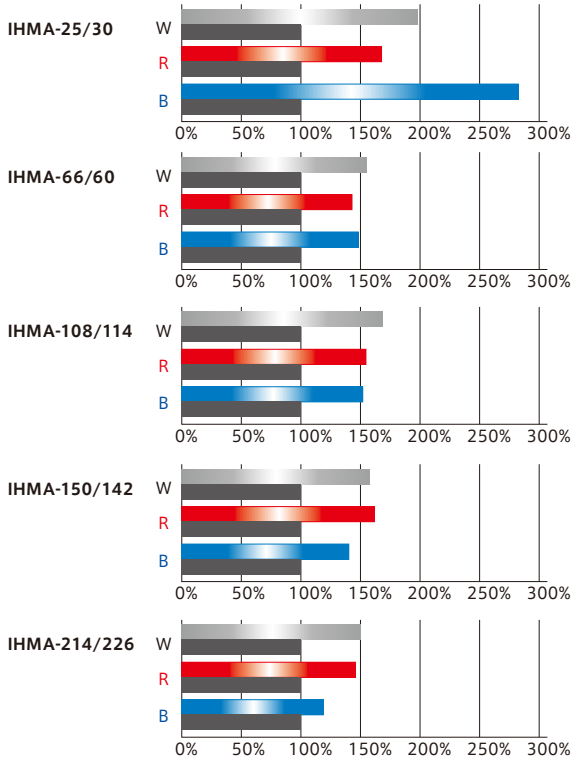
Bar illumination products

Transmitted/area illumination products

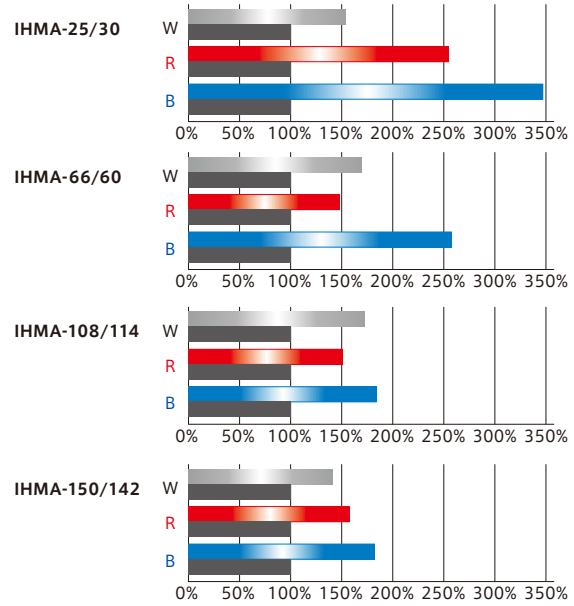
Optical Spectrum (Ref.Value)



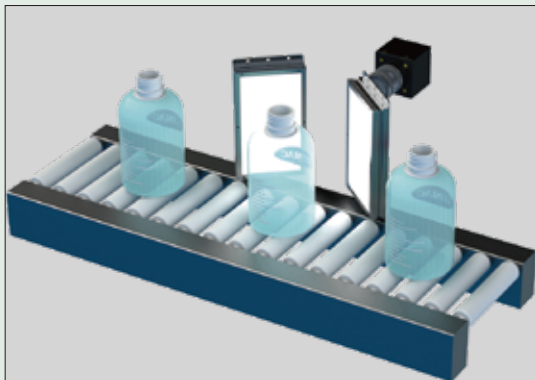
Comparison With Conventional Products (Ref.value).



Comparison of Illumination Intensity During Overdrive (Ref.value).



Examples of usage scenarios



By using two surface-transmission illuminations IHMA and sandwich the target work , resulting in a dome-like effect.

Line illumination products

Ring illumination products

Bar illumination products

Transmitted/area illumination products

Dome illumination products

Local illumination products

Special illumination products

IR products

Controller products

Other 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
- 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
- High-speed synchronous imaging camera kit 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
- IUS-30M2-TP/SS
- ILS-40M2-PI/SS
- SAG
- SLLUB
- LLUB
- IFIC

Model	Color	Power Consumption(W)	Input Voltage	SAG (※)	Applicable Controller Type	Applicable Controller	Drawing				
IHMA-25/30□	R	2.3	DC12V	DE	①	【Contoller Type①】 IDMU Series (P.193) ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc.	1				
	W	2.8		B8							
	B	2.7		A0							
IHMA-66/60□	R	7.5		FF			②	【Contoller Type②】 IDMU-24 series (P.193) ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.	2		
	W	9		FF							
	B	8		FF							
IHMA-108/114□	R	15		FF			①		【Contoller Type②】 IDMU-24 series (P.193) ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.	3	
	W	18		FF							
	B	17		FF							
IHMA-150/142□	R	22		FF			②			【Contoller Type②】 IDMU-24 series (P.193) ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.	4
	W	27		CA							
	B	24		DB							
IHMA-214/226□HV	R	39	DC24V	-	②	【Contoller Type②】 IDMU-24 series (P.193) ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.	5				
	W	48									
	B	44									
IHMA-30/66□	R	4.5	DC12V	FF	①		【Contoller Type②】 IDMU-24 series (P.193) ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.	6			
	W	5.5		FF							
	B	5		E8							
IHMA-108/60□	R	10		FF				②	【Contoller Type②】 IDMU-24 series (P.193) ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.		7
	W	12		FF							
	B	11		FF							
IHMA-150/114□	R	18		FF				①		【Contoller Type②】 IDMU-24 series (P.193) ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.	8
	W	23		E0							
	B	21		F5							
IHMA-214/142□	R	26		FF		②		【Contoller Type②】 IDMU-24 series (P.193) ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.			9
	W	30		B5							
	B	28		C4							

★The emission color (W=White,R=Red,B=Blue) is indicated by □ in the model table.

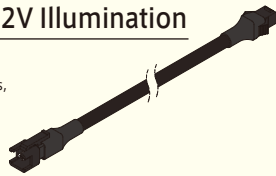
★DC24V products are also available. Please feel free to contact us for more information.

※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.

Extension Cable For DC12V Illumination

I-CB-S Series

When used for moving parts such as robots, please use the I-CB-S_R-C02 series, which manufactured with robust robot cable with high flexibility. I-CB-S_-24 series and I-CB-S_R-24-C02 series are compatible for DC24V model.



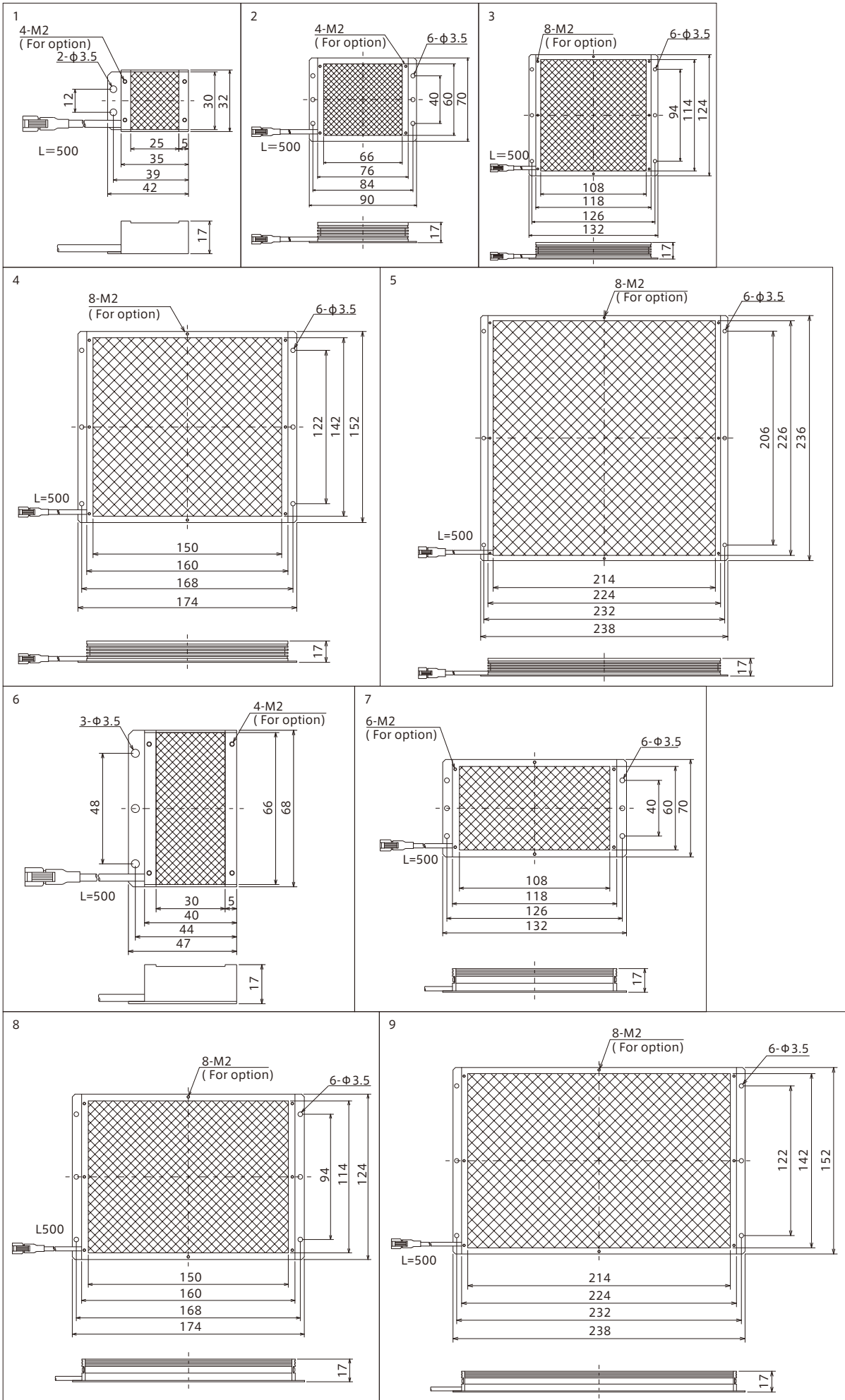
Recommended Digital Controller(PWM Control)

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.



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- IDBB-LSRC
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- IDBB-RE
- IDBA-RK
- IQDH-RE
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- IMAR-CT D
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- 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
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- IFVA-ST
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- IDBA-SL
- IDBA
- IDBA-Q
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