

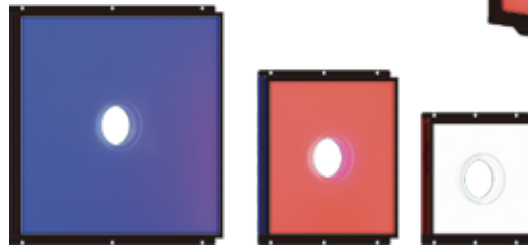
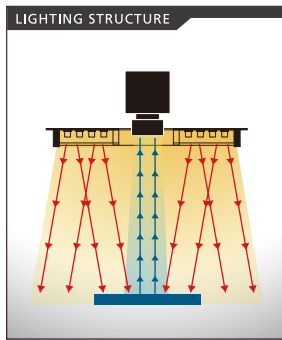
**NEW**

# High Power Chip LED Flat-surface Illumination With Camera Hole [IHMA-40D Series]

Thin perforated surface illumination that allows imaging via reflection instead of transmission  
 High power Chip LED with Leimac's original heat dissipation technology

24V DC Models Available | Designs Registered Product

- Applications**
- Machinery parts industry etc.
    - ➔ Visual /Printing/engraving/quantity inspection of objects.
  - Packaging/ Pharmaceutical industry etc.
    - ➔ Inspection & Recognition of barcode/Character

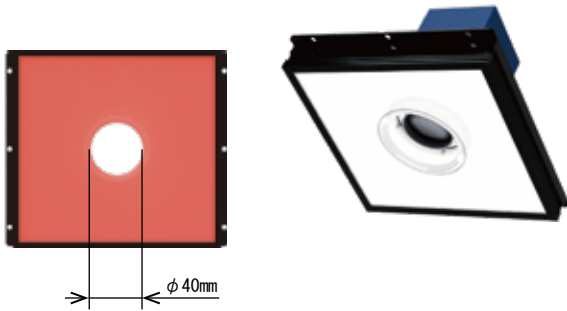


**Standard Size Lineup** Standard release in 3 sizes in 108x114 / 150x142 / 214x226mm<sup>2</sup>

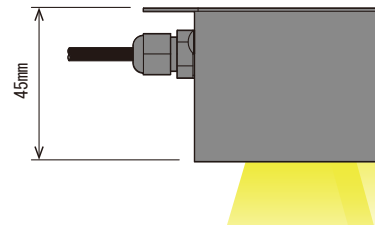
Designed Aperture Compatible With Reflection Imaging.

The Case Has A Thickness Of 17mm, Achieving A Slim And Lightweight Design.

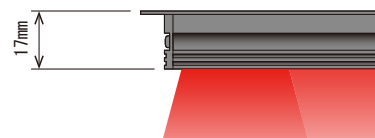
Enables imaging through reflection instead of transmission by incorporating a  $\phi 40\text{mm}$  aperture.



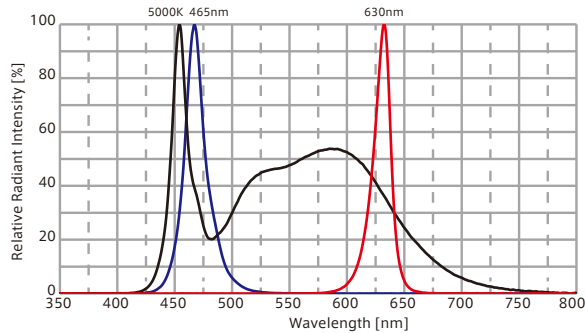
○ IFPA-D series



○ IHMA-40D series



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-HIM
- 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
- 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 synchronous image capture 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
- IJS-30M2-TP/SS
- ILS-40M2-PI/SS
- SAG
- SLLUB
- LLUB
- IFIC

Model	Color	Power Consumption(W)	Input Voltage	SAG (※)	Applicable Controller	Drawing
IHMA-108/114□-40D	R	17	DC12V	FF	IDMU Series (P.193) ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc.	1
	W	21		E5		
	B	21		F0		
IHMA-150/142□-40D	R	24		FF		2
	W	30		B2		
	B	27		C4		
IHMA-108/114□HV-40D	R	17	DC24V	-	IDMU-24 series (P.193) ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.	1
	W	21				
	B	21				
IHMA-150/142□HV-40D	R	24				2
	W	30				
	B	27				
IHMA-214/226□HV-40D	R	42				3
	W	50				
	B	46				

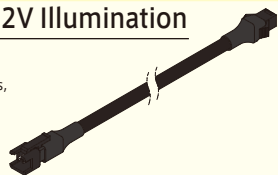
★The emission color (W=White,R=Red,B=Blue) is indicated by □ in the model table.

※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

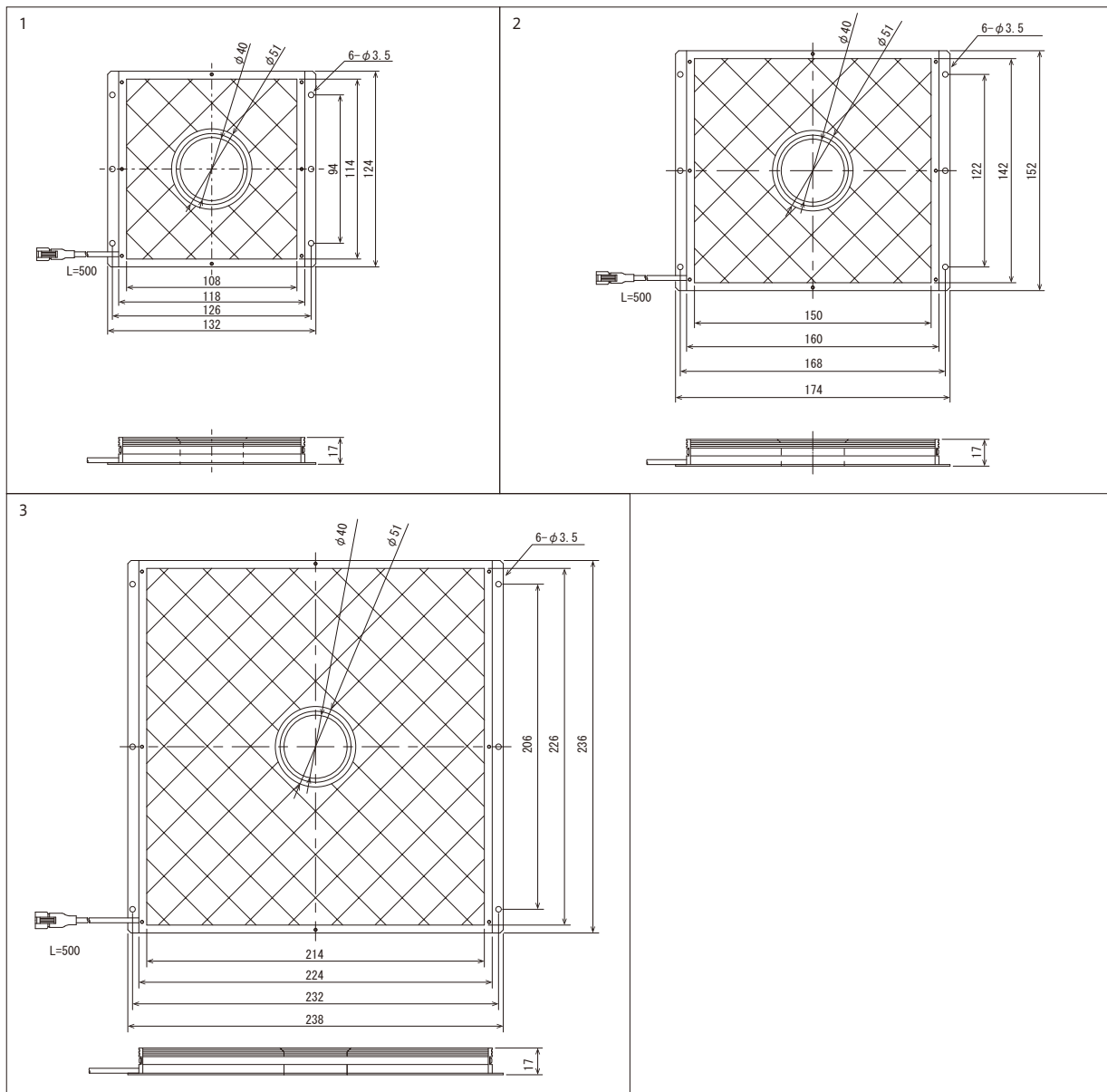
When used for moving parts such as robots, please use the I-CB-S\_R-C02 series, which manufactured with robust robot cable with high flexibility. I-CB-S\_24 series and I-CB-S\_R-24-C02 series are compatible for DC24V model.



### 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.



- Line illumination products
  - IDBB-LSRF
  - IDBB-LSR
  - IDBB-TSRH
  - IDBB-LSRA
  - IDBB-LSRS
  - IDBB-LSRC
  - IDBB-LSRC
  - 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
- Bar illumination products
  - IFLA · IFLB
  - IDHM
  - IHMA
  - IHMA-V
  - IFPA
  - IFD
  - IFD-IR
  - IHMA-40D
  - IFPA-D
- Transmitted/area 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
- Dome illumination products
  - 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 synchronous imaging camera products
  - ISC-24
  - Image capture evaluation kit products
- IR 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
  - IJS-30M2-TP/SS
  - ILS-40M2-PI/SS
- Other illumination products
  - SAG
  - SLLUB
  - LLUB
  - IFC