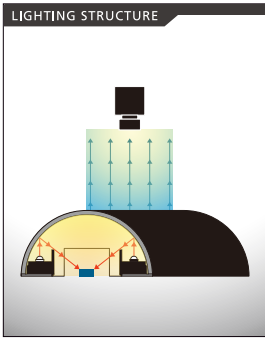


# High Cost-Performance Half-pipe Dome Illumination [IQD·IQDH Series]

Uniform illumination for spherical surfaces, irregular surfaces, and long object  
New RGB-Full Color model latest release !

**Power LEDs** ※ ※Only for IQDH

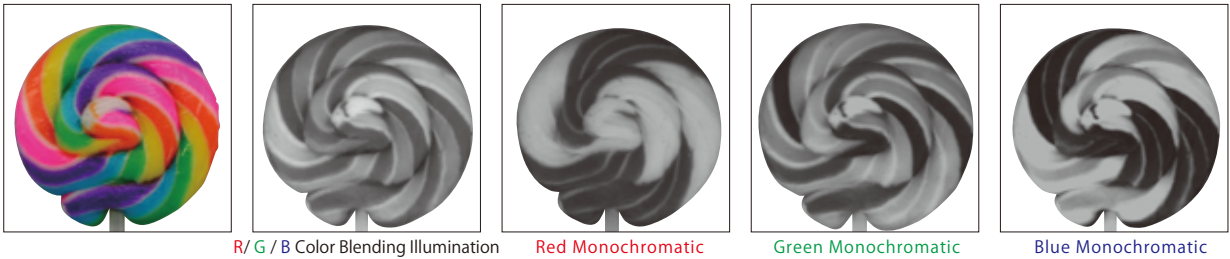
- Applications**
- Food/Packaging industry etc.
    - ➔ Character recognition/Barcode reading on uneven surfaces
    - Foreign substance detection/Color identification inspection
  - Pharmaceutical industry etc.
    - ➔ Defect inspection of tablets/blister packs
    - Visual inspection of PTP blister packaging etc.



**Standard Size Lineup** IQD : Standard release in 60×65mm<sup>2</sup> 1 size.  
IQDH : Standard release in 150x175 / 320x350mm<sup>2</sup> 2 sizes.

## Imaging Example

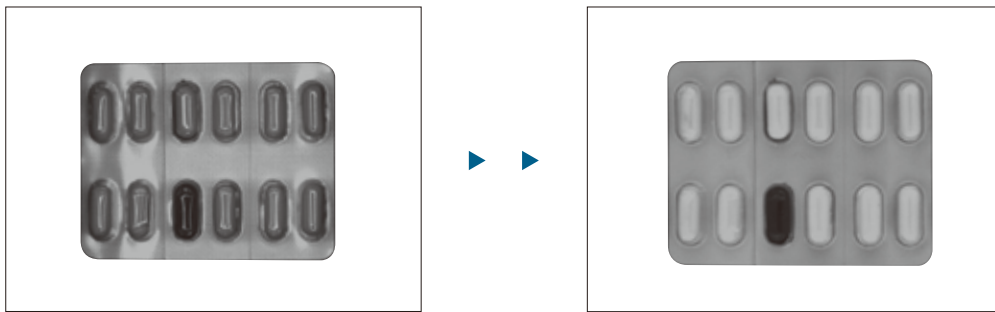
Imaging example using color blending of primary colors..Used Illumination: IQDH - K320/350 RGB



R/G/B Color Blending Illumination    Red Monochromatic    Green Monochromatic    Blue Monochromatic

## Imaging Example

Achieved to suppress package glare by uniform illumination from a close distance.

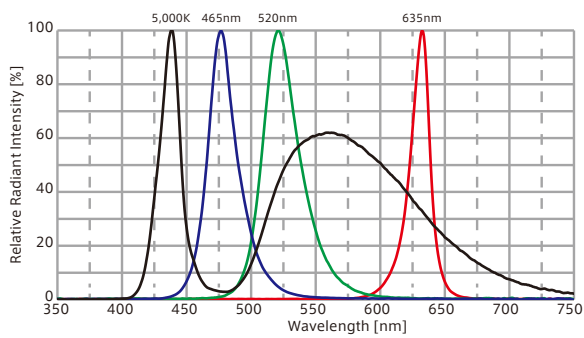


Ring Diffusion Illumination

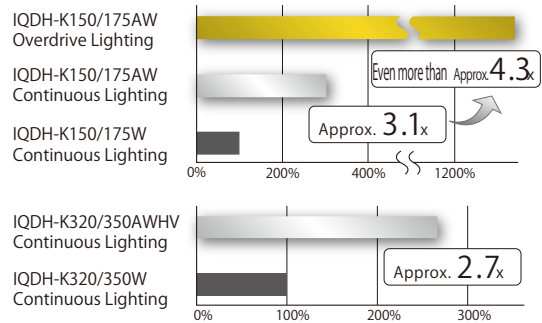
IQDH-K320/350AWHV

- 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
  - 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
- Ring illumination products
- Bar illumination products
- Transmitted/area illumination products
- Dome illumination products
- Special illumination products
- Introduction of Customization
- High speed and high magnification 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
- JS
- JS-30M2-TP/SS
- ILS-40M2-PI/SS
- SAG
- SLLUB
- LLUB
- IFIC
- Special illumination products

## Optical Spectrum (Ref. Value)



## Comparison with conventional products(WD=50mm)



Model	Color	Power Consumption(W)	Input Voltage	Applicable Controller	Drawing
IQD-K60/65DW	W	Each channel 0.8W Total 1.6W	DC12V	IDMU Series (P.193) ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc.	1
IQD-K60/65R	R	Each channel 1W Total 2W			
IQD-K60/65G	G	Each channel 0.8W Total 1.6W			
IQD-K60/65B	B	Each channel 0.8W Total 1.6W			
IQDH-K150/175AW	AW	Each channel 19W Total 38W			
IQDH-K320/350AWHV	AW	Each channel 35W Total 70W	DC24V	IDMU-24 series (P.193) ,ILP-60M2-24 (P.197) IDGC-24 series (P.209) etc.	3
IQDH-K320/350RGB	R	Each channel R,B,G:Each channel 13W Total 78W	DC12V	IDMU Series (P.193) ,ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc.	4
	B				
	G				

\*DC24V products are also available. Please feel free to contact us for more information.  
\*Custom sizes are also available aside from the ones listed above.

### Extension Cable For DC12V Illumination

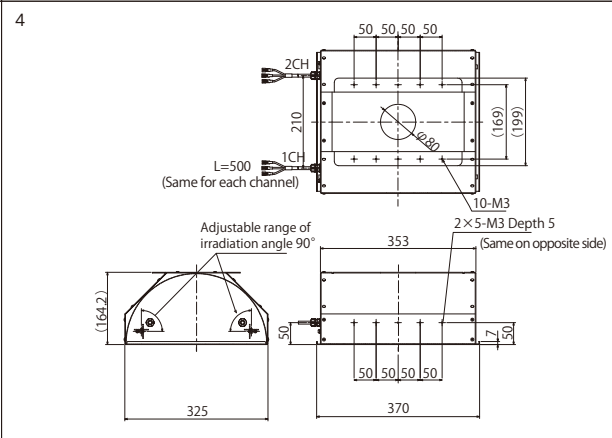
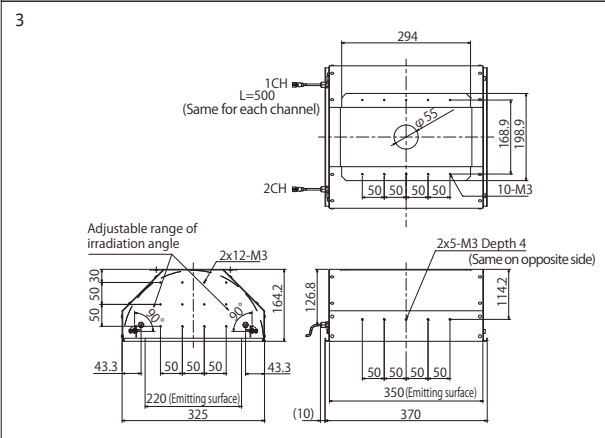
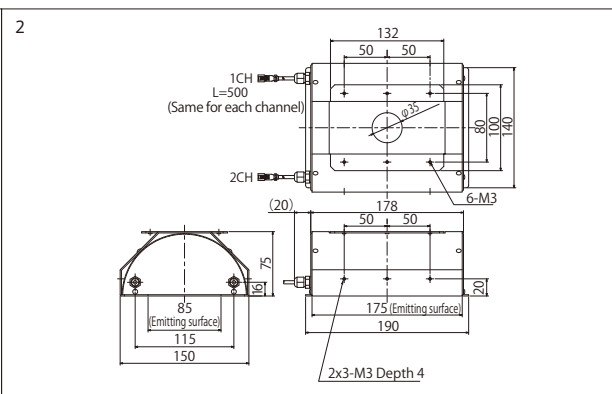
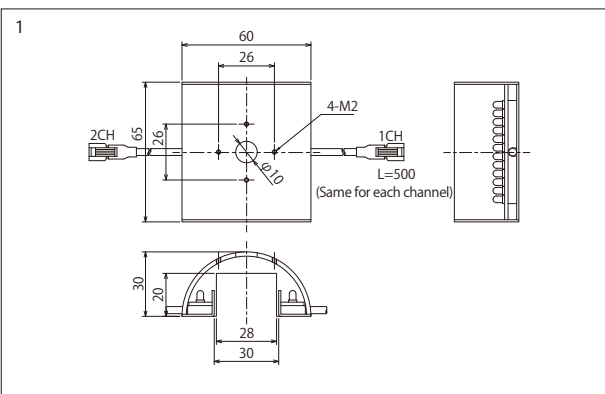
#### I-CB-S Series

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
  - 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
- 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
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  - ILC
  - ILV
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  - IWDV-24
  - IWDV(S)-48
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  - IJS-30M2-TP/SS
  - IJS-40M2-PI/SS
  - SAG
  - SLLUB
  - LLUB
  - IFIC