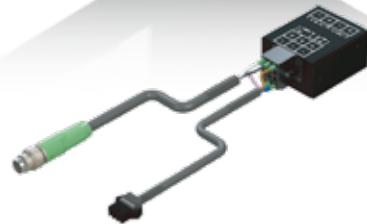
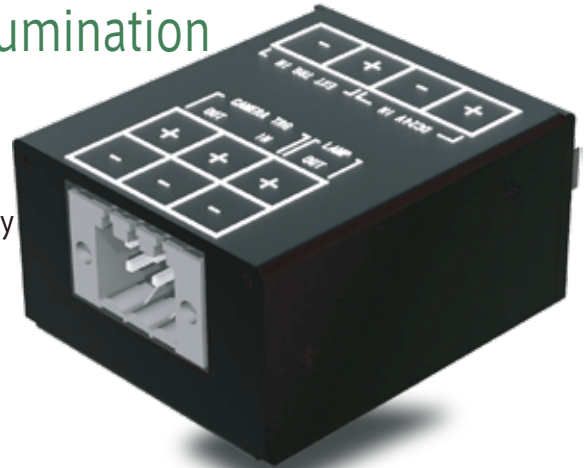


NEW

Compatible With Various Camera Brands Camera Signal Synchronized Illumination Flashing Adapter [ISC-24 Series]

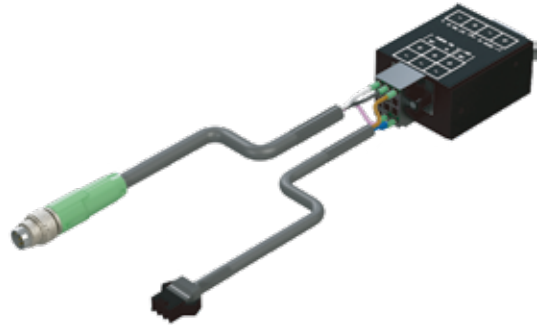
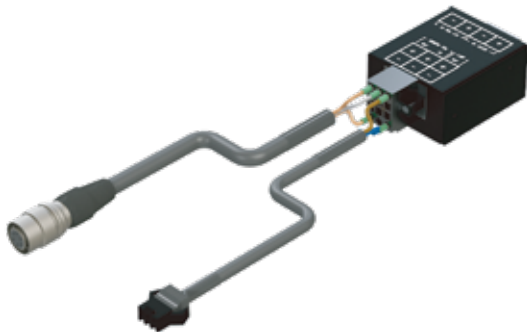
A compact illumination controller that enables easy synchronization of cameras and illumination



I/O Cable Lineup

Standard lineup in 3 types to match the input/output connectors of the camera.

Synchronized The Illumination With The Exposure Time Of The Camera.

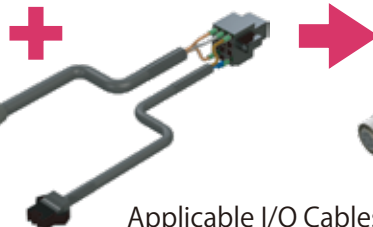


In conjunction with the camera's exposure time, the illumination can be easily controlled with ON/OFF synchronization. We have a lineup of three types of camera connection cables that are compatible with major machine vision camera manufacturers. Various illuminations of Leimac can be connected to suit the camera you are using.

Easily Configure According To Your Camera Or PLC



ISC-24-BASE-P



Applicable I/O Cables



ISC-24 Series

ISC-24 consists of the control adapter ISC-24-BASE-P and various I/O cables compatible with different cameras. The illumination output is a single channel, capable of connecting Leimac illuminations with DC24V and power consumption of up to 36W.

- Line illumination products
 - Ring illumination products
 - Bar illumination products
 - Transmitted/area illumination products
 - Dome illumination products
 - Special illumination products
 - Kit products
 - Controller products
 - 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-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 synchronization cable kit 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

Line illumination products

- IDBB-LSRF
- IDBB-LSRH
- IDBB-LSRA
- IDBB-LSRS
- IDBB-LSRC
- IDBB-LSRE
- IDBB-RE
- IDBB-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

Ring illumination products

- IFR · IPR
- IDBA-HM

Bar 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

Transmitted/area illumination products

- IPQC
- IFHA

Dome illumination products

- 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

Special 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

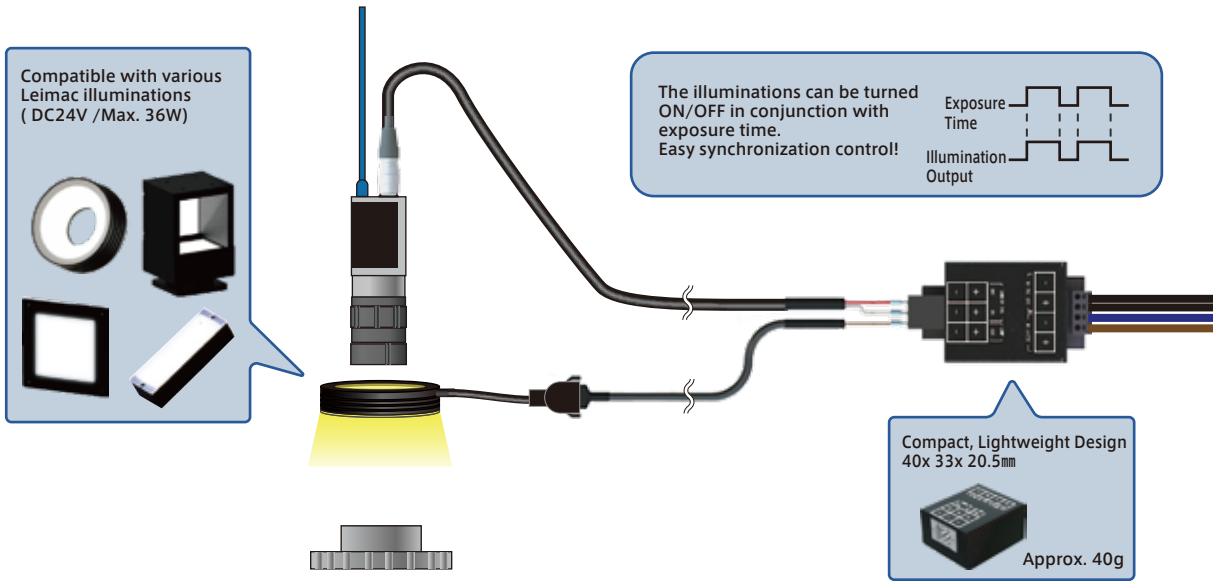
Kit products

- High-speed synchronous imaging special kit products
- ISC-24
- Image capture evaluation kit products

Controller products

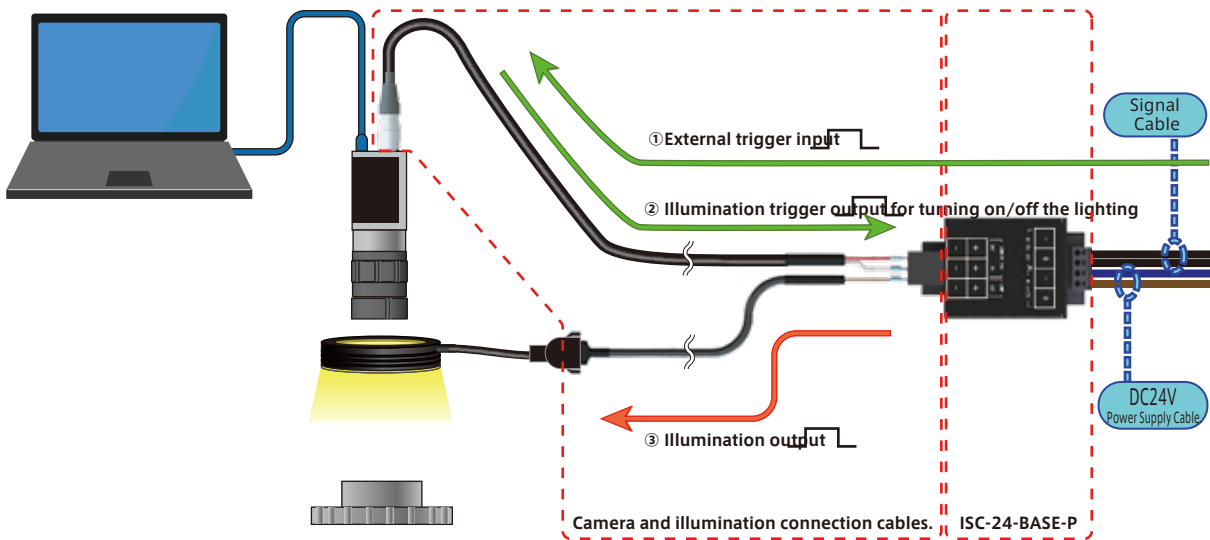
- IDMU
- ILP
- ILC
- ILV
- ILS
- IPPA_G · IRPA_G
- IPSA · IPPA
- IDGC
- IDPA
- IDCA
- IMC
- IWDV-24
- IWDV(S)-48
- ISC
- IJS
- IUS-30M2-TP/SS
- IUS-40M2-PI/SS
- SAG
- SLLUB
- LLUB
- IFIC

Main Features



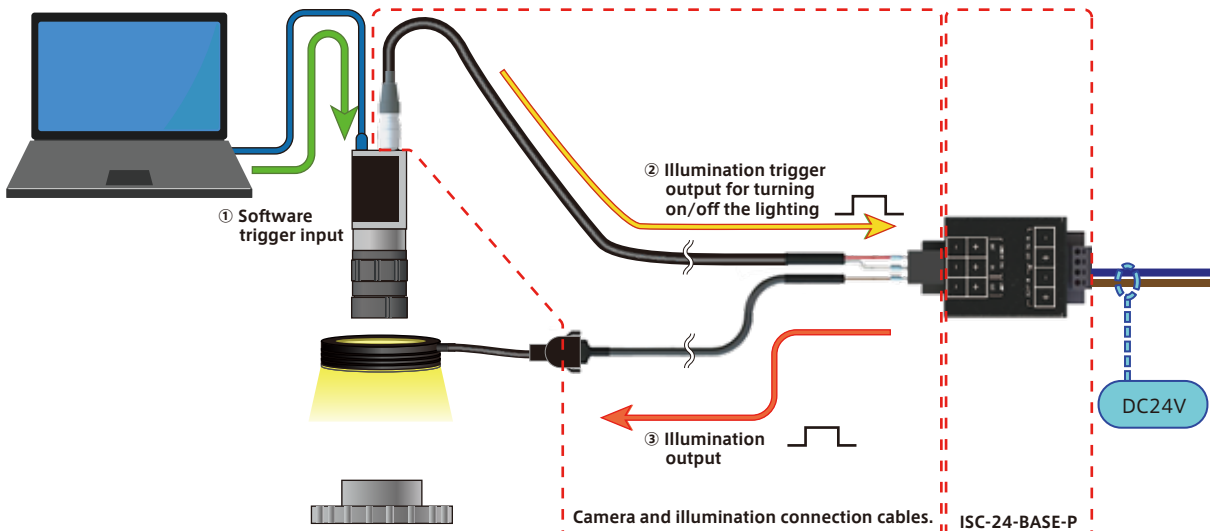
Connection Image

① Control the illumination to turn on/off at any desired timing using an external trigger.



※Please note that the ISC unit does not provide power to the camera. A separate power supply for the camera is necessary.

② Control the illumination to turn on/off in synchronization with PC commands.

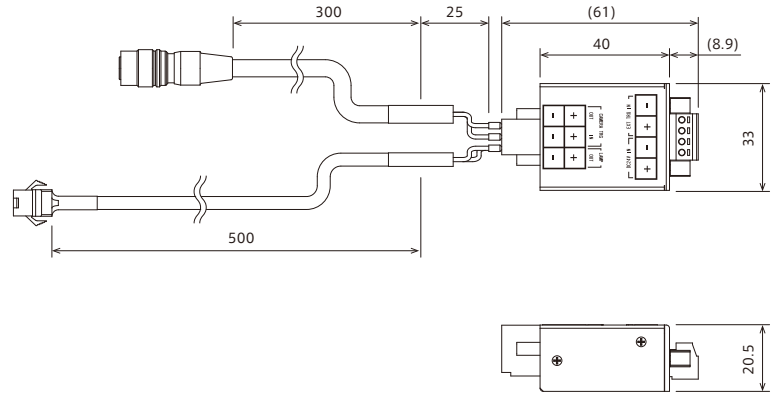


※Please note that the ISC unit does not provide power to the camera. A separate power supply for the camera is necessary.

Compact Casing

With a compact housing size of 40x33x20.5 (mm), it takes up only about 65mm, including cable connection connectors and contacts, making it space-efficient.

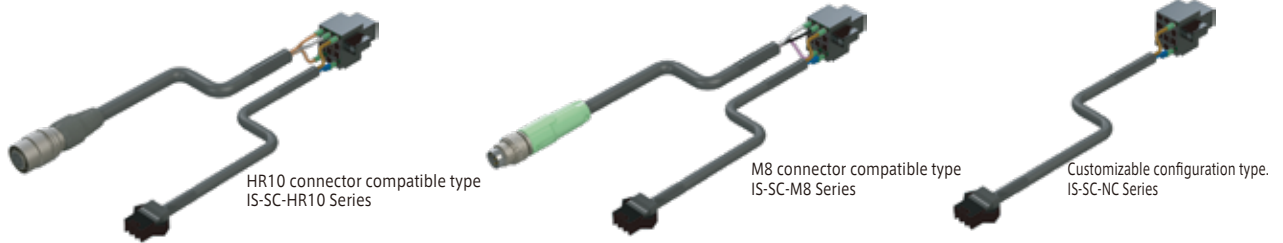
With a lightweight design weighing approximately 40g (excluding the cable section), it is ideal for use near the end of a robotic arm.



A Lineup Of Camera And Illumination Connection Cables That Are Compatible With Various Camera Models From Different Manufacturers.

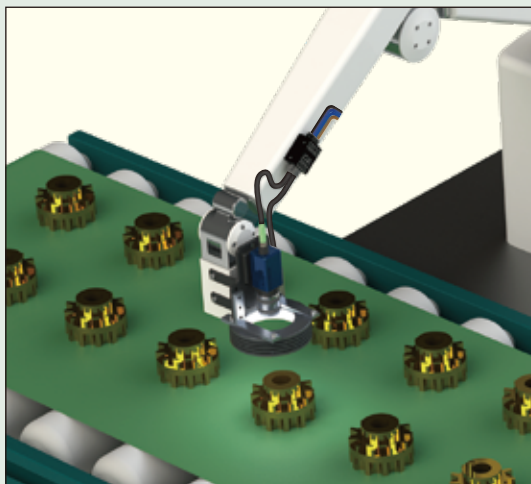
Camera and illumination connection cables that are compatible with various camera models from different manufacturers are provided.

We provide a variety of cables with different pin arrangements and camera-side connector shapes. However, if there is no available camera or illumination connection cable that matches your requirements, or if you want to use/connect a camera with a proprietary connector, you can use IC-SC-NC to create a custom cable solution.



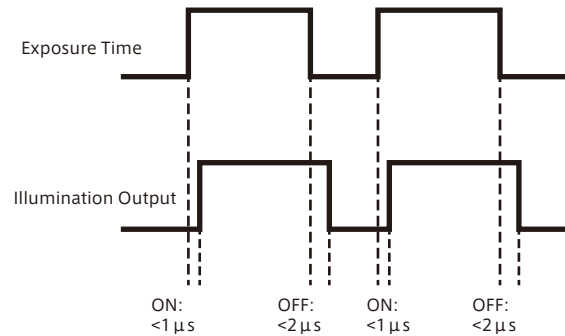
Usage Example

With a lightweight and compact design, it is ideal for use near the end of a robotic arm.



High-speed responsiveness

High-speed responsiveness, with an ON response time of less than 1 μ s and an OFF response time of less than 2 μ s.



- Line illumination products
- Ring illumination products
- Bar illumination products
- Transmitted/area illumination products
- Dome illumination products
- Coaxial illumination products
- Special illumination products
- Kit products
- Controller products
- Other illumination products

Controller

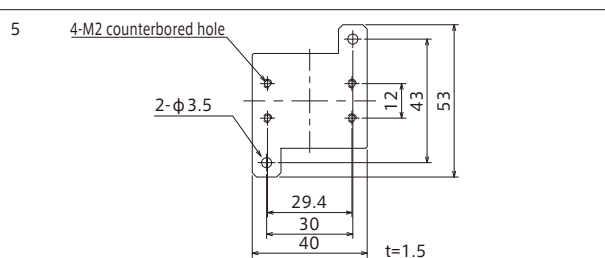
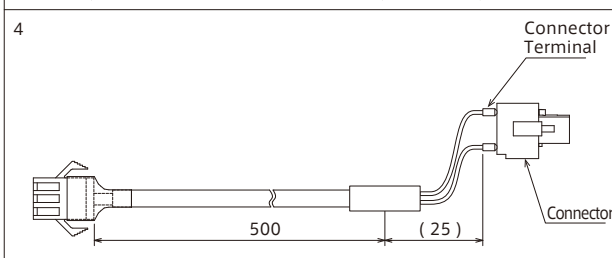
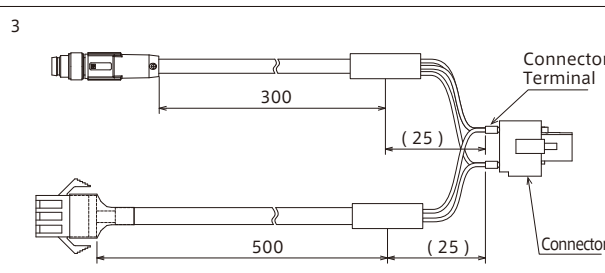
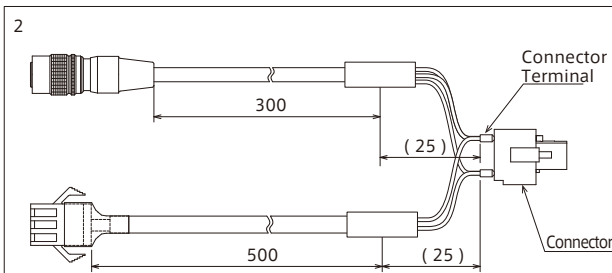
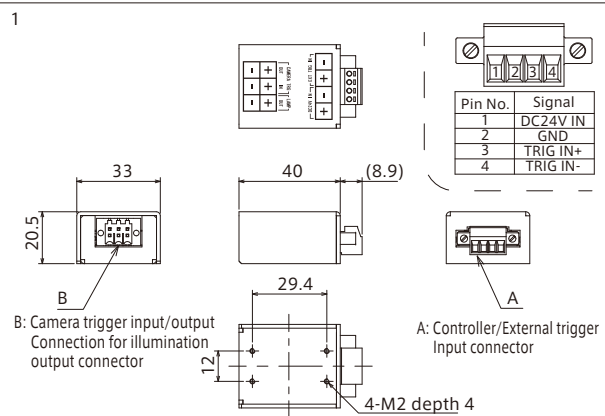
Model	ISC-24-BASE-P
Control Method	External trigger ON/OFF control
Input Voltage	DC24V
Output Voltage	DC24V
Rated Capacity	Below 36W
Number of Channels	1CH
Trigger Input Specifications	Compliant with the specifications of the connected camera
Emission Duration	Dependent on the trigger width output from the connected camera
Illumination Response Time	OFF→ON : <1 μs ON→OFF : <2 μs
Weight	40g or less
Exterior Diagram	1

Camera and Illumination Connection Cables.

Model	IC-SC-HR10-4525	IC-SC-HR10-3121	IC-SC-M8-4623	IC-SC-NC
Illumination output connector	SMP-03-BC (1:+, 2:NC, 3:-)	SMP-03-BC (1:+, 2:NC, 3:-)	SMP-03-BC (1:+, 2:NC, 3:-)	SMP-03-BC (1:+, 2:NC, 3:-)
Camera input/output connector	HR10A-7P-6S(73)	HR10A-7P-6S(73)	M8 6-pin male plug	
				For cameras that do not comply with the specifications of the aforementioned connector, we kindly request you to provide the necessary connector separately.
Pin No.1	NC	CAMERA TRG IN/OUT -	NC	
Pin No.2	CAMERA TRG OUT +	CAMERA TRG OUT +	CAMERA TRG OUT +	
Pin No.3	NC	CAMERA TRG IN +	CAMERA TRG OUT -	
Pin No.4	CAMERA TRG IN +	NC	CAMERA TRG IN +	
Pin No.5	CAMERA TRG IN/OUT -	NC	NC	
Pin No.6	NC	NC	CAMERA TRG IN -	
Exterior Diagram	2	2	3	4

Option: Mounting bracket

ISC-24-BR



- Line illumination products
 - IDBB-LSRF
 - IDBB-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
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 - 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
- Ring illumination products
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 - 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
- Bar illumination products
 - IHVA-SP · IHSL-SP
 - IBF
 - IHV-FX
 - RBOX
 - IDBB-CH
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 - ILP
 - ILC
 - ILV
 - ILS
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 - IPSA · IPPA
 - IDGC
 - IDPA
 - IDCA
 - IMC
 - IWDV-24
 - IWDV(S)-48
 - ISC
 - IJS
 - IUS-30M2-TP/SS
 - ILS-40M2-PI/SS
 - SAG
 - SLUB
 - LLUB
 - IFC