UDR-LA1 Multi-stage Ring Light SQR SQR-TF HLDR3

HPR2 LFR LKR FPR FPQ3

> HLDL3 LB TH2 (5 types)

HPD2 LDM2 LAV LFXV LFX3

LFX3-P LFV3 LFV3-G

MSU

PF

HLDR-IP HSL-PCL

UV3/VL3

LDF-RLS

IU

HLV3

PFBR-2400SW PFBR-150 SLG-150V-CCS PFB3(A) LNLP LNSP2 Coaxial Units

LNSP-FN

LN/LN-HK

LNSL (Diffused)
LND2
LT LF

Line ique Angle LNIS2

LNDG

LNIS-FN

Macro Lens

LDF-NB

LV HFS/HFR HLV3-22-4-NR HLV3-3M-RGB-4

IR2 (Under 1000-nm Type) IR (Over 1000-nm Type)

# **Direct Lighting**

**Bar Lights** 

# LDL2 Series

Refer to our website for product details.

CCS LDL2 ▶ Search



Provides direct light from an emitting part equipped with LEDs in straight lines



**Applications** 

Various inspections for reading text, visual inspection for damage on long and thin workpieces, damage inspection for metal with hairline finishing, light source for a line sensor camera, various inspections to detect foreign material, etc.

## Rich Lineup with 144 Models

We have a lineup of 144 models, such as combinations of the size and emitting width of the emitting surface, directional characteristics, and the emitted color.

Compatible with a wide range of uses You can freely adjust the illuminating direction and angle for use in a wide range of uses.

Bar lights allow the illumination direction and angle to be freely adjusted, enabling imaging according to the workpiece.

Illuminating image from direction A





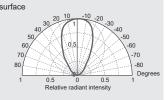
## Bar Lights That Use Surface-Mounted LEDs

These are Bar Lights that use surface-mounted LEDs. We provide the narrow type, which performs convergent illumination for a narrow space, and the wide type (-WD) which illuminates a wide space.

### Select the directional characteristics of a narrow type or wide type

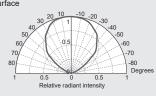
■ Directional characteristics of the Narrow Type (White)

Zoomed-in view of the emitting surface

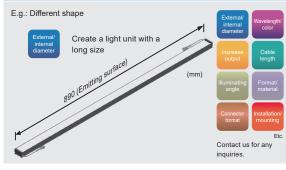


■ Directional characteristics of the Wide Type (White) Zoomed-in view of the emitting surface



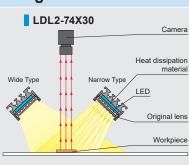


# Custom Order Example



# Example Configuration

Achieved light with a narrow directionality using the uniquely designed lens located in front of the LEDs. Illuminates direct light from any angle.



Various technical documents available.

DXF

Product

Register to use them.

LDR-LA1 Multi-stage Ring Light 🚡 SOR SQR-TP

> HPR2 LFR .

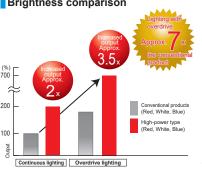
LKR

# Increased Brightness and Rich Variety of Sizes

Brightness comparison

For detailed information on the overdrive, refer to P.396

The data included is for reference only. Actual values may vary





Shutter speed: 1/10.000 Amount of light: 100% intensity



Amount of light: 100% intensity Continuous lighting: 100% intensity



Shutter speed: 1/18,000 Lighting with overdrive: 100% intensity

\*Comparison of LDL2-74X30SW and LDL2-74X30SW2. Comparison of LDL2-74X30SW2 on continuous lighting and overdrive lighting

# Imaging Example: Imaging of Damage in Sheet Metals (Hairline Finishing)



Description	Visual inspection
Workpiece	Aluminum sheets (hairline finishing)
Before the proposal	LED Bar Light
After the proposal	LDL2-74X30RD Precise illumination angle and direction
Result	Extracts only the damage



Aluminum sheets





Due to reflection from the hairline finishing surface, it is difficult to form an image of the damage.

LDL2-74X30RD



Surface reflection is reduced and a clear image of the damage can be made

# Imaging Example: Imaging Engraved Characters on Plastic Surfaces





Digital video cassettes

LED Ring Light + Diffusion plate



It is difficult to observe the engraved characters due to uneven illumination.



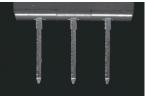
When you attach the diffusion plate to the Bar Light and illuminate the workpiece, the engraved characters are evenly and brightly captured.

# Imaging Example: Imaging the Appearance of Connector Pins



Connectors

LDL2-74X30SW2-WD



Illumination from the front of the workpiece allows you to observe the surface state of the connector.



Illumination using a diffusion plate from behind the workpiece allows you to observe the appearance of the connector.

You can inquire using our website.

Free Product

Discontinued

Inquire on our website here https://www.ccs-grp.com/contact/

FPR FPQ3 HLDL3 TH2 (5 types) LEL HPD2 LDM2 LAV LFXV LFX3 LFX3-PT LFV3 LFV3-G MSU HLDR-IP HSL-PCL IR2 Under 1000-nm Type LDF-RLS IU HLV3 HFS/HFR HLV3-22-4-NR HLV3-3M-RGB-4 PFBR-2400SW PFBR-600SW2 PFBR-150 SLG-150V-CCS PFB3(A LNLF LNSP2 Coaxial Units LNSP-FN LN/LN-HK LNSD LND2 LFXV (Rectangular Type)

LNDG LNIS2 LNIS

Macro Lens

LDF-NB

LDR2 LDR2-LA DR-LA1 Multi-stage Ring Light SQR SQR-TF

HLDR3

HPR2

LKR

FPR

FPQ3

HLDL3

TH2 (5 types) LEL

LB

HPD2

LDM2 LAV

LFXV

LFX3 LFX3-P LFV3 LFV3-G

MSU

MFU PF

HLDR-IP HSL-PCL

UV3/VL3 UV

LDF-RLS

IU

HLV3 LV HFS/HFR HLV3-22-4-NR

HLV3-3M-RGB-4

PFBR-2400SW

PFBR-600SW2

PFBR-150 SLG-150V-CCS PFB3(A)

LNLP LNSP2 Coaxial Units LNSP-FN

LN/LN-HK

LINSE (Diffused)

LINDS

THE LET THE PROPERTY OF THE PROPERTY

LNDG Line ilque Anglec LNIS-FN

Telecentric Lens Macro Lens DF-NB

51

IR2 (Under 1000-nm Type) IR (Over 1000-nm Type)

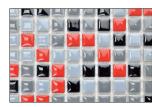
LFR



# Imaging Example: Imaging the Surface and Appearance of Tiles

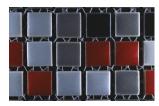






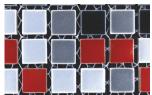
Tiles

LDL2-119X16SW2 (double use)



It is difficult to observe the surface and appearance of the tiles with a double use of the Bar Lights due to uneven illumination.

LDL2-119X16SW2 (quadruple use) + bracket



The Bar Lights which are mounted on the four sides of the bracket illuminate the surface and appearance of the tiles, so that they are captured brightly and evenly.

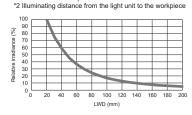
# Data: Relative Irradiance Graph/Uniformity (Representative Example)

The data included is for reference only. Actual values may vary

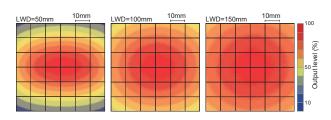
### LDL2-74X30SW2(A) (Narrow type)

Relative irradiance graph\*1 (LWD characteristics)\*2

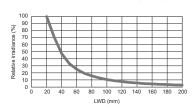
\*1 Irradiance on the optical axis

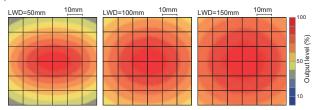


#### Uniformity (Relative irradiance)

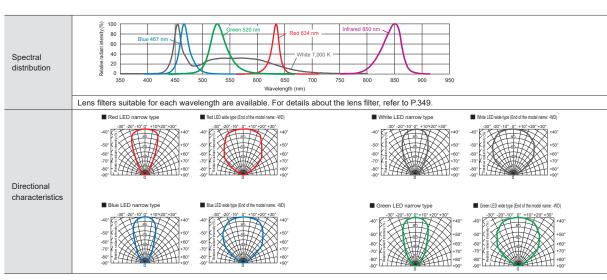


#### LDL2-74X30SW2-WD(A) (Wide type)





# LED Properties



Be sure to read the User Manual included with the product before use and observe cautionary information. The data included is for reference only. Actual values may vary.

LDR2 LDR2-LA LDR-LA1 Ding Light Wulti-stage Ring Light COR SQR

Lineup "-WD" at the end of the model name: Wide type

width	*1	Input		Powe	er Consum	ption			Extension	Recommended	
Emitting width	Model Name <sup>⁴1</sup>	Voltage	RD2 (Red)	SW2*² (White)	BL2 (Blue)	GR2 (Green)	IR850 (Infrared)	Option	Cables	Control Units	Weight
4 mm	LDL2-19X4□□' <sup>4</sup>	24 V	1.3 W	1.3 W	1.1 W	0.8 W	_	Diffusion Plate Polarizing Plate Bracket*6 *6 Available as custom order			12 g
8 mm	LDL2-33X8□□' <sup>4</sup>	24 V	2.6 W	2.1 W	1.5 W	1.4 W	1.3 W	Diffusion Plate Polarizing Plate Bracket		PD4 PD3 CC-ST-1024 POD*5	20 g
	LDL2-41X16□□(-WD)	24 V	3.8 W	3.8 W	3.8 W	3.0 W	_				50 g
	LDL2-80X16□□(-WD)	24 V	7.6 W	7.6 W	7.6 W	6.0 W	_				75 g
	LDL2-119X16□□(-WD)	24 V	12 W	12 W	12 W	9.0 W *8	_		FCB'6 Straight Cable  FCB-W <sup>7</sup> 2-Branch Cable		95 g
	LDL2-158X16□□(-WD)	24 V	16 W	16 W	16 W	12 W	_				120 g
	LDL2-197X16□□(-WD)	24 V	19 W	19 W	19 W	15 W	_				145 g
۶	LDL2-236X16□□(-WD)	24 V	23 W	23 W	23 W	18 W	_			DD4 DD6	170 g
16 mm	LDL2-275X16□□(-WD)	24 V	27 W	27 W	27 W	21 W	_		Z-Branch Cable	PD4 PD3	195 g
~	LDL2-314X16□□(-WD)	24 V	31 W	31 W	31 W	24 W	_		FCB-F 4-Branch Cable	*8 CC-ST-1024 can be used for	220 g
	LDL2-353X16□□(-WD)	24 V	35 W	35 W	35 W	27 W	_			LDL2-119X16GR2(-WD), whose power consumption is less than	245 g
	LDL2-392X16□□(-WD)	24 V	38 W	38 W	38 W	30 W	_		FRCB Robot Cable	10 W.	270 g
	LDL2-431X16□□(-WD)	24 V	42 W	42 W	42 W	33 W	_		*6 The cables with		295 g
	LDL2-470X16□□(-WD)	24 V	46 W	46 W	46 W	36 W	_		a model name that ends with		320 g
	LDL2-509X16□□(-WD)	24 V	50 W	50 W	50 W	39 W	_		-ME7/-EL2/ -PF/-PF-EL9		345 g
	LDL2-26X30□□(-WD)	24 V	3.8 W	3.8 W	3.8 W	3.0 W	_		are not included. *7 The cables with	PD4 PD3	55 g
	LDL2-50X30□□(-WD)	24 V	7.6 W	7.6 W	7.6 W	6.0 W	_		a model name that ends with	CC-ST-1024 POD*5	80 g
	LDL2-74X30□□(-WD)	24 V	12 W	12 W	12 W	9.0 W *9	_		-EL2 are not included.		100 g
	LDL2-98X30□□(-WD)	24 V	16 W	16 W	16 W	12 W	_	Diffusion Plate Polarizing Plate			125 g
	LDL2-122X30□□(-WD)	24 V	19 W	19 W	19 W	15 W	_	Protective Plate			150 g
	LDL2-146X30□□(-WD)	24 V	23 W	23 W	23 W	18 W	_	Bracket			170 g
	LDL2-170X30□□(-WD)	24 V	27 W	27 W	27 W	21 W	_				200 g
	LDL2-194X30□□(-WD)	24 V	31 W	31 W	31 W	24 W	_				225 g
	LDL2-218X30□□(-WD)	24 V	35 W	35 W	35 W	27 W	_				240 g
	LDL2-242X30□□(-WD)	24 V	38 W	38 W	38 W	30 W	_				275 g
E	LDL2-266X30□□(-WD)	24 V	42 W	42 W	42 W	33 W	_			PD4 PD3	280 g
30	LDL2-290X30□□(-WD)	24 V	46 W	46 W	46 W	36 W	_			POD*5	325 g
	LDL2-314X30□□(-WD)	24 V	50 W	50 W	50 W	39 W	_			*9 CC-ST-1024 can be used for LDL2-74X30GR2(-WD), which power consumption is less than	350 g
	LDL2-338X30□□(-WD)	24 V	53 W	53 W	53 W	42 W	_			10 W.	375 g
	LDL2-362X30□□(-WD)	24 V	57 W	57 W	57 W	45 W	_				400 g
	LDL2-386X30□□(-WD)*3	24 V	61 W	61 W	61 W	48 W	_				425 g
	LDL2-410X30□□(-WD)*3	24 V	65 W	65 W	65 W	51 W	_		FCB-EL2 Straight Cable		450 g
	LDL2-434X30□□(-WD)*3	24 V	69 W	69 W	69 W	54 W	_		FOR W. FLO		475 g
	LDL2-458X30□□(-WD)*3	24 V	72 W	72 W	72 W	57 W	_		FCB-W-EL2 2-Branch Cable		500 g
	LDL2-482X30□□(-WD)*3	24 V	76 W	76 W	76 W	60 W	_				525 g
	LDL2-506X30□□(-WD)*3	24 V	80 W	80 W			_		FCB-EL2 Straight Cable		
_	LDLZ-300X30□□(-WD) °	24 V	80 W	80 W	80 W	63 W	_				550 g

For the peak wavelength / correlated color temperature, refer to the spectral distribution on P.51 "LED Properties".

Control Unit Selection Guide ▶ P.285

© Change in model names

"(A)" is added to the end of SW2 model names only
e.g. LDL2-41X16SW2 → LDL2-41X16SW2(A)

LDL2-41X16SW2-WD → LDL2-41X16SW2-WD(A)

Reason	impact on functions and performance
LEDs have been changed due to the	Lower correlated color temperature (more yellow)
discontinuation of the LEDs used.	Conventional product: 7800 K New product: 7000 K

SQR	
SQR-TP HLDR3	(p
HPR2	iffuse
LFR	ing t/D
LKR	R
FPR	Conv
FPQ3	Square
LDL2	0,
LDLB	Bar
HLDL3 LB	
TH2 (5 types)	at
LFL	正
HPD2 LDM2	
LAV	Э
LFXV	Dome
LFX3	
LFX3-PT	
LFV3	oaxial
LFV3-G	a
MSU MFU	Coaxi
PF	Strobe
HLDR-IP HSL-PCL	Water- proof
UV3/VL3 UV	JV / 'iolet
LNSP-UV3-FN	->
(Under 1000-nm Type)	red
(Over 1000-nm Type) CIR	Infrar
LDF-RLS	Reference Light Source
IU	ntensity Control
HLV3	
LV	
HFS/HFR	
HLV3-22-4-NR HLV3-3M-RGB-4	Etc.
PFBR-2400SW	oot,
PFBR-600SW2	S
PFBR-150	
SLG-150V-CCS	
PFB3(A)	£
LNSP2	gent
Coaxial Units	Line
LNSP-FN	Con
LN/LN-HK LNSD	
LND2	<del>p</del>
LT LFXV (Rectangular Type)	Line Diffuse
TH2 (Rectangular Type)	
LNDG	gled
LNIS2 LNIS	Line que Ang
LNIS-FN	ildo
	(0)

Extension Cables P.361

List of Control Unit Specifications ▶ P.287

Macro Lens LDF-NB and the state of the sta

<sup>\*1</sup>  $\square$  in the model name contains the LED color. (RD2: Red, SW2: White, BL2: Blue, GR2: Green, IR860: Infrared)

IR860: Intrared)

\*2 SW: (A) is added to the end of the model name only for white color.

Example: LDL2-41X16SW2(A), LDL2-41X16SW2-WD(A)

\*3 The connector is an EL connector (ELP-02V ①: +brown ②: -blue).

Please use a power supply with EL connectors when using this product.

\*4 All LEDs of the LDL2-19X4 and LDL2-33X8 have wide type directional characteristics.

\*5 For information on the combination of light units and POD Series control unit, please refer to our website. https://www.ccs-grp.com/lnk/qr/pod

LDR2

HLDL3 LB TH2 (5 types)

LEL

HPD2 LDM2 LAV LFXV LFX3 LFX3-P1

LFV3

MSU

MFU

PF

HLDR-IP HSL-PCL

UV3/VL3 UV

LDF-RLS

IU

LV HFS/HFR

HLV3-22-4-NR HLV3-3M-RGB-4 PFBR-2400SW PFBR-600SW2

PFBR-150

PFB3(A)

LNSP-FN LN/LN-HK LNSD

LND2

TH2

LNDG

LNIS-FN

Telecentric Lens Macro Lens

Line Angled Angled Fig. 1. 2 2 2

Other LDF-NB

ngular Type

LT

LNLP LNLP LNSP2 Coaxial Units

SLG-150V-CCS

IR2 (Under 1000-nm Type) IR (Over 1000-nm Type)

LFV3-G

LDR2-LA DR-LA1 Multi-stage Ring Light SQR SQR-TF HLDR3 HPR2 Tent LFR LKR FPR FPQ3

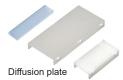
Polarizing plate

Refer to our website for product details.





## Option



Can prevent glare, which is a problem when making images of glossy workpieces.

Billusion plate				
Model name	Applicable Light Unit (Common for all colors)			
DF-LDL2-19X4	LDL2-19X4			
DF-LDL2-33X8	LDL2-33X8			
DF-LDL2-41X16	LDL2-41X16(-WD)			
DF-LDL2-80X16	LDL2-80X16(-WD)			
DF-LDL2-119X16	LDL2-119X16(-WD)			
DF-LDL2-158X16	LDL2-158X16(-WD)			
DF-LDL2-26X30	LDL2-26X30(-WD)			
DF-LDL2-50X30	LDL2-50X30(-WD)			
DF-LDL2-74X30	LDL2-74X30(-WD)			
DF-LDL2-98X30	LDL2-98X30(-WD)			
DF-LDL2-122X30	LDL2-122X30(-WD)			
DF-LDL2-146X30	LDL2-146X30(-WD)			
DF-LDL2-218X30	LDL2-218X30(-WD)			
DF-LDL2-266X30	LDL2-266X30(-WD)			

P.353



Use with a polarizing the light's surface reflection.

	*
Model name	Applicable Light Unit (Common for all colors)
PL-LDL2-19X4-HO	LDL2-19X4
PL-LDL2-19X4-VE	LDL2-19X4
PL-LDL2-33X8-HO	LDL2-33X8
PL-LDL2-33X8-VE	LDL2-33X6
PL-LDL2-41X16	LDL2-41X16(-WD)
PL-LDL2-41X16-VE	LDL2-41X16(-WD)
PL-LDL2-80X16	- LDL2-80X16(-WD)
PL-LDL2-80X16-VE	LDL2-60X10(-WD)
PL-LDL2-119X16	- LDL2-119X16(-WD)
PL-LDL2-119X16-VE	LDL2-119X10(-WD)
PL-LDL2-158X16	- LDL2-158X16(-WD)
PL-LDL2-158X16-VE	LDL2-130X10(-WD)
P.355	

There are two kinds of polarizing plates: the HO and the VE. For details, refer to P. 355.

Model name	Applicable Light Unit (Common for all colors)
PL-LDL2-26X30	- LDL2-26X30(-WD)
PL-LDL2-26X30-VE	LDL2-20A30(-WD)
PL-LDL2-50X30	- LDL2-50X30(-WD)
PL-LDL2-50X30-VE	LDL2-50X30(-WD)
PL-LDL2-74X30	- LDL2-74X30(-WD)
PL-LDL2-74X30-VE	LDL2-74X30(-WD)
PL-LDL2-98X30	- LDL2-98X30(-WD)
PL-LDL2-98X30-VE	LDL2-96X30(-WD)
PL-LDL2-122X30	LDL2-122X30(-WD)
PL-LDL2-122X30-VE	LDL2-122X30(-WD)
PL-LDL2-146X30	- LDL2-146X30(-WD)
PL-LDL2-146X30-VE	LDL2-140A30(-WD)
PL-LDL2-218X30	- LDL2-218X30(-WD)
PL-LDL2-218X30-VE	LDL2-216A30(-WD)
PL-LDL2-266X30	LDL2-266X30(-WD)
PL-LDL2-266X30-VE	LDL2-200/30(-VVD)



Protects the emitting part of the light unit.

Not intended to protect against dust or water.

	- P
Protective	plate

Model name	Applicable Light Unit (Common for all colors)	
CV-LDL2-41X16	LDL2-41X16(-WD)	
CV-LDL2-80X16	LDL2-80X16(-WD)	
CV-LDL2-119X16	LDL2-119X16(-WD)	
CV-LDL2-158X16	LDL2-158X16(-WD)	
CV-LDL2-26X30	LDL2-26X30(-WD)	
CV-LDL2-50X30	LDL2-50X30(-WD)	
CV-LDL2-74X30	LDL2-74X30(-WD)	
CV-LDL2-98X30	LDL2-98X30(-WD)	
CV-LDL2-122X30	LDL2-122X30(-WD)	
CV-LDL2-146X30	LDL2-146X30(-WD)	
CV-LDL2-218X30	LDL2-218X30(-WD)	
CV-LDL2-266X30	LDL2-266X30(-WD)	
Not applicable for the LDL2-19X4 and LDL2-33X8 Series.		

▶ P.358

When the model number ends with or without HO

As shown in the figure, the polarization direction is horizontal with respect to the long side of the polarizing plate.

When the model number ends with VE As shown in the figure, the polarization direction is perpendicular with respect to the long side of the polarizing plate.

With or without HO



You can freely adjust the illuminating angle when affixing

the Bar Light. Various kinds

of illumination are possible

depending on the affixing

from two or four directions.

method, such as illumination

Refer to the Technical Guide Page for polarization. ▶ P.397



You can freely adjust the illuminating angle when affixing the Bar Light. Various kinds of illumination are possible depending on the affixing method, such as illumination from two or four directions.

Bracket

Didokct			
Model name	Note		
BK-LDL2	Angle adjustment bracket common for the LDL2 Series (x2)		

Not applicable for the LDL2-19X4 and LDL2-33X8 Series.

P.359

Usage example of the BK-LDL2



Adjustable illuminating angle between 0 to 90°



You can freely adjust the illuminating angle when affixing the Bar Light. Various kinds of illumination are possible depending on the affixing method, such as illumination from two or four directions.

Bracket

Model name	Note
BK-LDQ2-33X8	Bracket that can install four of the Bar Lights.

P.359

We accept custom orders for the brackets that are applicable for the following products. Contact your CCS sales r esentative for details

sometry our coo sales representative for details.			
Applicable Light Unit	BK-LDQ2		
LDL2-19X4	Bracket that can install		
LDL2-26X30	four Bar Lights.		
LDL2-50X30	(Custom orders)		



Bracket				
	Model name	Note		
	BK-LDQ2-41X16			
	BK-LDQ2-80X16			
	BK-LDQ2-119X16			
	BK-LDQ2-158X16			
	BK-LDQ2-74X30	Bracket that can install		
	BK-LDQ2-98X30	four of the Bar Lights.		
	BK-LDQ2-122X30			
	BK-LDQ2-146X30			
	BK-LDQ2-218X30			
	BK-LDQ2-266X30			

P.359

Various technical documents available.

DXF

Product

Instruction Guides

Register to use them.

LDR2-LA

LDR-LA1

SQR

FPR

LDLB

HLDL3 LB TH2 (5 types) LFL

HPD2

LDM2 LAV LFXV

LFX3 LFX3-PT

LFV3

MSU

LFV3-G

HLDR-IP

HSL-PCL

LNSP-UV3-FN IR2 Under 1000-nm Type)

LDF-RLS

IU

HLV3 LV HFS/HFR

HLV3-22-4-NR HLV3-3M-RGB-4 PFBR-2400SW

PFBR-600SW2

SLG-150V-CCS PFB3(A)

PFBR-150

LNLP LNSP2 Coaxial Units

LNSP-FN LN/LN-HK

LNSD

LND2 LT

LNDG

LNIS2 eu

LDF-NB

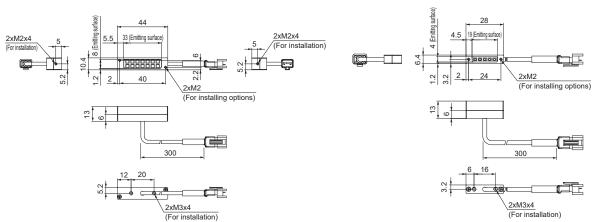
LFXV (Rectangular Type) TH2 (Rectangular Type)

Telecentric Lens Macro Lens

HLDR3
HPR2
LFR
LKR

# Dimensions (mm)

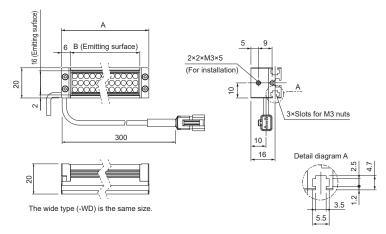
LDL2-33X8 (Common for all colors)



LDL2-19X4 (Common for all colors)

LDL2-nnnX16 (Common for all colors)

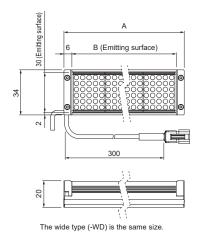
nnn= B (Emitting surface)

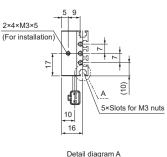


Applicable Light Unit	А	В
LDL2-41X16(-WD)	53	41
LDL2-80X16(-WD)	92	80
LDL2-119X16(-WD)	131	119
LDL2-158X16(-WD)	170	158
LDL2-197X16(-WD)	209	197
LDL2-236X16(-WD)	248	236
LDL2-275X16(-WD)	287	275
LDL2-314X16(-WD)	326	314
LDL2-353X16(-WD)	365	353
LDL2-392X16(-WD)	404	392
LDL2-431X16(-WD)	443	431
LDL2-470X16(-WD)	482	470
LDL2-509X16(-WD)	521	509

### LDL2-nnnX30 (Common for all colors)

nnn= B (Emitting surface)







<sup>\*1</sup> EL connector (ELP-02V, 1: +Brown, 2: -Blue).
Use the control unit which has EL connectors

Applicable Light Unit	А	В
LDL2-26X30(-WD)	38	26
LDL2-50X30(-WD)	62	50
LDL2-74X30(-WD)	86	74
LDL2-98X30(-WD)	110	98
LDL2-122X30(-WD)	134	122
LDL2-146X30(-WD)	158	146
LDL2-218X30(-WD)	230	218
LDL2-266X30(-WD)	278	266
LDL2-170X30(-WD)	182	170
LDL2-194X30(-WD)	206	194
LDL2-242X30(-WD)	254	242
LDL2-290X30(-WD)	302	290
LDL2-314X30(-WD)	326	314
LDL2-338X30(-WD)	350	338
LDL2-362X30(-WD)	374	362
LDL2-386X30(-WD)*1	398	386
LDL2-410X30(-WD)*1	422	410
LDL2-434X30(-WD)*1	446	434
LDL2-458X30(-WD)*1	470	458
LDL2-482X30(-WD)*1	494	482
LDL2-506X30(-WD)*1	518	506

You can inquire using our website.

Sample Testing Light Unit Selection Free Product Trial Custom Orders Product Details

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Inquire on our website here. https://www.ccs-grp.com/contact/