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CCS Inc.

LED color	Red (RD)	White (SW)	Blue (BL)	Green (GR)	
Input voltage		24 V	max.		
Peak wavelength (typ.)	635 nm		470 nm	525 nm	
Relative color temperature (typ.)		6,600 K			
Cable length		0.3	3 m		
Input connector		SMR-	03V-B		
Polarity, signal	1: Anode (+) brown, 2: NC, 3: Cathode (-) blue				
Case material		Aluminu	um alloy		
Operating temperature and humidity	Temperature:	0 to 40°C, Humidity: 2	20% to 85% (with no o	condensation)	
Storage temperature and humidity	Temperature: ·	-20 to 60°C, Humidity:	20% to 85% (with no	condensation)	
Cooling method		Natural a	ir cooling		
Spectral distribution	Relative irradiation strength (%) 000 00 000 000 000 000 000 000 000 00	Blue Green 480 530 580 Wavelengti		Use an R60-series sharp-cut filter. 730 780	

Note: The values for irradiation strength and service life given in this catalog are for reference purposes. These values are not ensured.

### Precautions

•Carefully read the product's instruction manual before use to ensure correct operation.

•Product specifications and design are subject to change without notice.

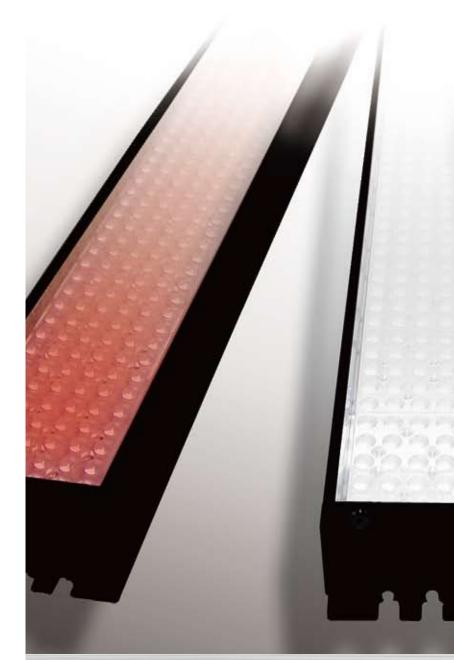
•Examples of workpiece imaging in this catalog are a guide that may be informative for choosing Light Units. Please check the functions of the equipment and requirements before choosing a Light Unit.



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## **New Generation LED Bar Light**

New Bar Light Units with Direct Illumination

# **The New LDL2 Series**

## CCS Inc.

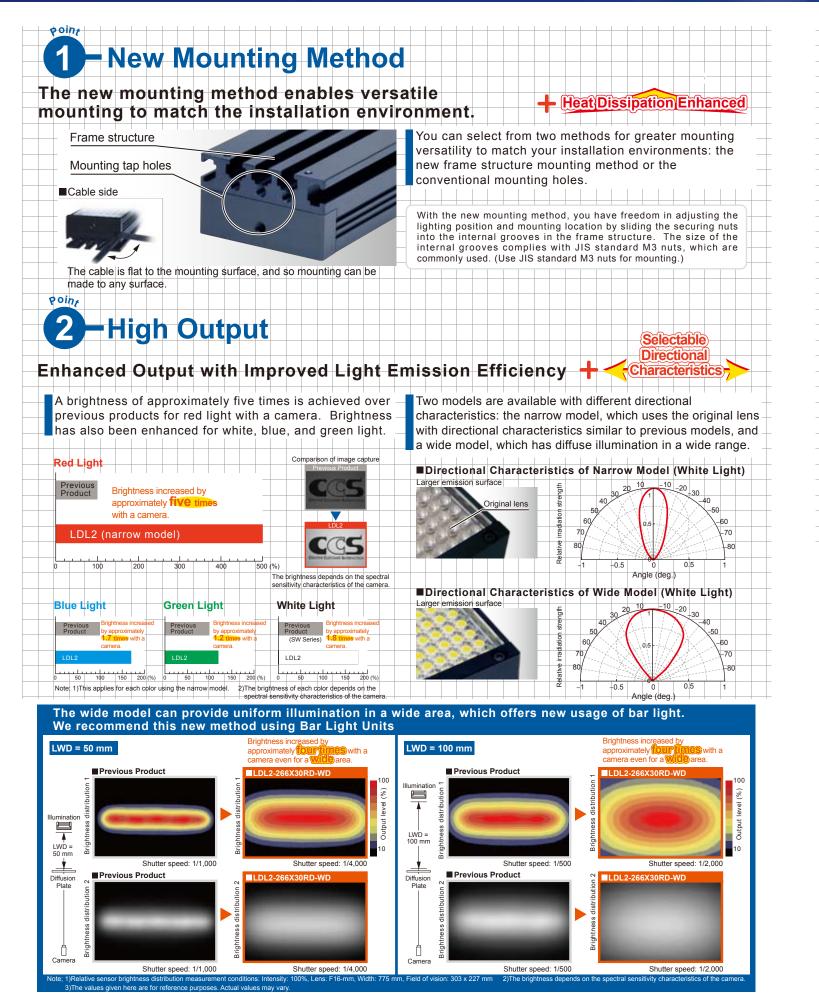


## **Patent Pending**

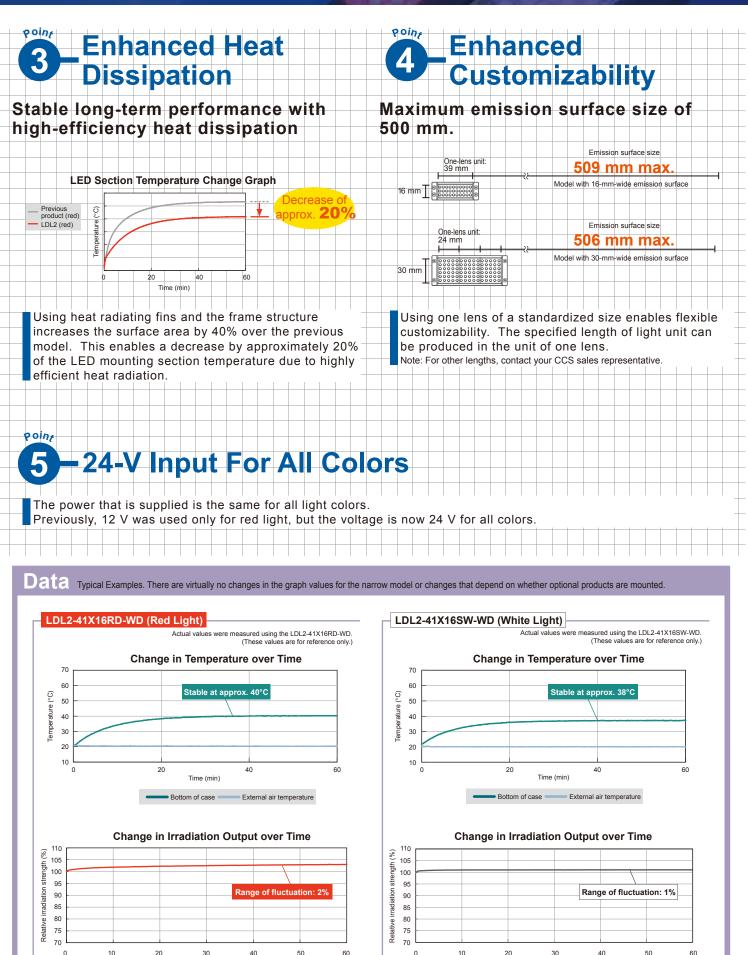
Full Model Change

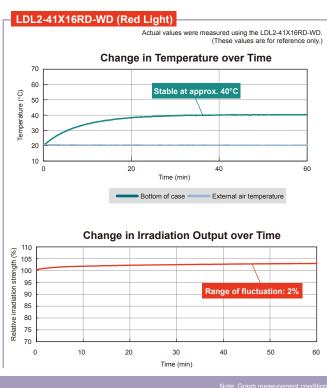


## Full Model Change - Five New Points -



high-efficiency heat dissipation





30 Time (min

## **Options**

Mounting

The Diffusion Plate and Polarizing Plate have been redesigned to use insertion fixing rather than the previous screw fixing method. Upgraded materials for the Diffusion Plate improve the rate of diffusion. Protective Plate is available protect the emission area of the Light Unit as well as bracketss for securing the Light Unit to enable flexible adjustment of the emission direction.

### DF-LDL2 Series Plate PL-LDL2 Series CV-LDL2 Series Diffusion Plate





The irradiated light is diffused to limit workpiece glare and reflections.

light reflection by fixing a PL-series polarization filter to the lens.



•Insert the tabs into the side grooves.

For details, refer to the instruction manual

of the Light Unit.

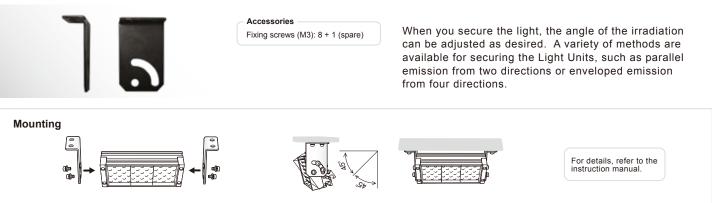
The plate protects the emission section

Note: The Protective Plate is not intended to provide protection against dust or water droplets.

8.4

•Use a flat-blade screwdriver or other tool with a narrow point to catch the tabs and remove the Plate

#### Light Fixing Brackets BK-LDL2 (for all models in Series)



•Adjust the emission angle and then firmly secure the Light Unit. •Install the bracketss on both ends of the Light Unit.



Specific	ations of S	pecial Opti	ions		Dimensional diagrams (mm	)
Name	Diffusion Plate	Polarizing Plate	Protective Plate	Light Fixing Brackets	DF/PL/CV-LDL2 Series	
Model name	DF-LDL2-41X16	PL-LDL2-41X16(-VE)	CV-LDL2-41X16	BK-LDL2	16-mm-wide models 30-mm-wide	e m
(for both narrow model and wide model)	DF-LDL2-80X16	PL-LDL2-80X16(-VE)	CV-LDL2-80X16	(for all models in Series)	8.4	_
	DF-LDL2-119X16	PL-LDL2-119X16(-VE)	CV-LDL2-119X16			
	DF-LDL2-74X30	PL-LDL2-74X30(-VE)	CV-LDL2-74X30			F
	DF-LDL2-146X30	PL-LDL2-146X30(-VE)	CV-LDL2-146X30			
	DF-LDL2-218X30	PL-LDL2-218X30(-VE)	CV-LDL2-218X30			
	DF-LDL2-266X30	PL-LDL2-266X30(-VE)	CV-LDL2-266X30			-
Heat resistance	80°C	60°C	80°C	—		
	Emission from Fou	r Directions Diff	combinations for	the following cases. Polarizing Plates	BK-LDL2 (Bilaterally Symmetric)	
	PL-LDL2-41 Use a comt two pairs of types. PL-LDL2-41) ion direction differs by	pination of f the two C16-VE Paire overla	d Polarizing Plates w ap in opposite direction when they overlap in			



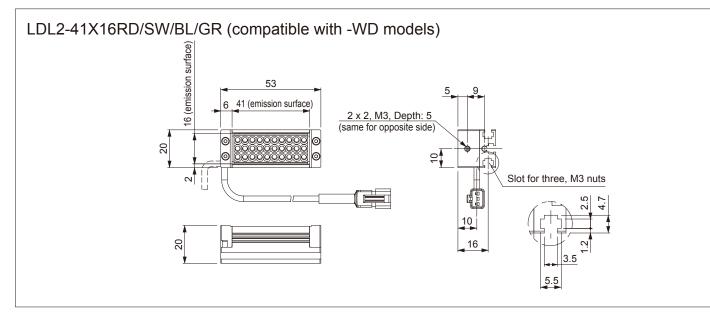
The standard lineup now includes models with a length of 200 mm or more as well as models with an emission surface of 30 mm. The lineup includes combination of over 50 models with light colors in red, white, blue, and green, various sizes, and narrow models or wide models.

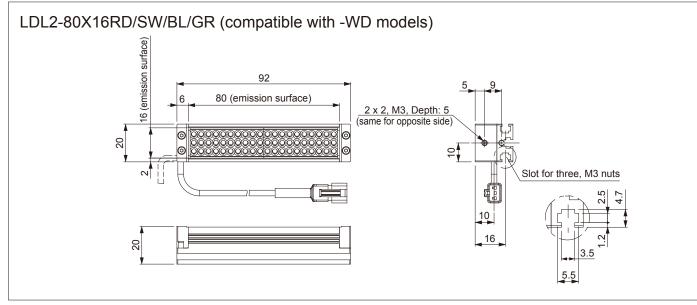
	Direct number	Model	LED color	Emission surface size	Input voltage	Power consumption	Weight	Supported	d options
e	1003702	LDL2-41X16RD	Red			consumption		Diffusion Plate	DF-LDL2-41X1
Narrow model	1003705	LDL2-41X16SW	White					Polarizing Plate	PL-LDL2-41X1 (PL-LDL2-41X16-V
N L	1003704	LDL2-41X16BL	Blue	41x16 mm	24 V	1.9 W	50 g	Protective Plate	(PL-LDL2-41X16-V CV-LDL2-41X1
larro	1003704							Light Fixing Brackets	BK-LDL2
		LDL2-41X16GR	Green Red						
Wide model	1003706	LDL2-41X16RD-WD						Diffusion Plate	DF-LDL2-41X1 PL-LDL2-41X1
Ĕ	1003709	LDL2-41X16SW-WD	White	41x16 mm	24 V	1.9 W	50 g	Polarizing Plate	PL-LDL2-41X1 (PL-LDL2-41X16-\
row model Wide r	1003708	LDL2-41X16BL-WD	Blue					Protective Plate	CV-LDL2-41X
	1003707	LDL2-41X16GR-WD	Green					Light Fixing Brackets	BK-LDL2
pole	1003710	LDL2-80X16RD	Red					Diffusion Plate	DF-LDL2-80X
E S	1003713	LDL2-80X16SW	White	80x16 mm	24 V	3.8 W	75 g	Polarizing Plate	PL-LDL2-80X (PL-LDL2-80X16-)
Narrow model	1003712	LDL2-80X16BL	Blue				- 5	Protective Plate	CV-LDL2-80X
model Wide model Nar	1003711	LDL2-80X16GR	Green					Light Fixing Brackets	BK-LDL2
le	1003714	LDL2-80X16RD-WD	Red					Diffusion Plate	DF-LDL2-80X
model	1003717	LDL2-80X16SW-WD	White	80x16 mm	24 V	3.8 W	75 g	Polarizing Plate	PL-LDL2-80X (PL-LDL2-80X16-
Wide	1003716	LDL2-80X16BL-WD	Blue	0001011111	24 V	5.0 W	75 g	Protective Plate	CV-LDL2-80X
N	1003715	LDL2-80X16GR-WD	Green					Light Fixing Brackets	BK-LDL2
del	1003718	LDL2-119X16RD	Red					Diffusion Plate	DF-LDL2-119X
Narrow model	1003721	LDL2-119X16SW	White	440.40			05	Polarizing Plate	PL-LDL2-119X (PL-LDL2-119X16-
NO	1003720	LDL2-119X16BL	Blue	119x16 mm	24 V	5.7 W	95 g	Protective Plate	CV-LDL2-119X
Van	1003719	LDL2-119X16GR	Green					Light Fixing Brackets	BK-LDL2
	1003722	LDL2-119X16RD-WD	Red					Diffusion Plate	DF-LDL2-119X
Wide model	1003725	LDL2-119X16SW-WD	White					Polarizing Plate	PL-LDL2-119X (PL-LDL2-119X16-
μ	1003724	LDL2-119X16BL-WD	Blue	119x16 mm	24 V	5.7 W	95 g	Protective Plate	CV-LDL2-119X10-
Vic	1003723	LDL2-119X16GR-WD	Green					Light Fixing Brackets	BK-LDL2
ē	1003726	LDL2-74X30RD	Red					Diffusion Plate	DF-LDL2-74X
Narrow model	1003729	LDL2-74X30SW	White					Polarizing Plate	PL-LDL2-74X
N L	1003729	LDL2-74X30BL	Blue	74x30 mm	24 V	5.7 W	100 g	Protective Plate	(PL-LDL2-74X30- CV-LDL2-74X
larro	1003728	LDL2-74X30GR						Light Fixing Brackets	
			Green					Diffusion Plate	BK-LDL2
Wide model	1003730	LDL2-74X30RD-WD			24 V	5.7 W	/ 100 g		DF-LDL2-74X PL-LDL2-74X
Ŭ Ŭ	1003733	LDL2-74X30SW-WD	White	74x30 mm				Polarizing Plate	(PL-LDL2-74X30-
Vide	1003732	LDL2-74X30BL-WD	Blue					Protective Plate	CV-LDL2-74X
	1003731	LDL2-74X30GR-WD	Green					Light Fixing Brackets	BK-LDL2
ow model	1003734	LDL2-146X30RD	Red					Diffusion Plate	DF-LDL2-146>
2	1003737	LDL2-146X30SW	White	146x30 mm	24 V	12 W	170 g	Polarizing Plate	PL-LDL2-146X (PL-LDL2-146X30)
	1003736	LDL2-146X30BL	Blue				- 5	Protective Plate	CV-LDL2-146>
Nar	1003735	LDL2-146X30GR	Green					Light Fixing Brackets	BK-LDL2
le l	1003738	LDL2-146X30RD-WD	Red					Diffusion Plate	DF-LDL2-146>
Wide model	1003741	LDL2-146X30SW-WD	White	146x30 mm	24 V	12 W	170 g	Polarizing Plate	PL-LDL2-146X (PL-LDL2-146X30
de	1003740	LDL2-146X30BL-WD	Blue	140,50 11111	24 V	12 00	170 g	Protective Plate	CV-LDL2-146>
Š	1003739	LDL2-146X30GR-WD	Green					Light Fixing Brackets	BK-LDL2
del	1003742	LDL2-218X30RD	Red					Diffusion Plate	DF-LDL2-218>
model Narrow model Wide model	1003745	LDL2-218X30SW	White	010-00	0.4.14	10.144	240 -	Polarizing Plate	PL-LDL2-218X (PL-LDL2-218X30-
Narrow	1003744	LDL2-218X30BL	Blue	218x30 mm	24 V	18 W	240 g	Protective Plate	CV-LDL2-218>
Nan	1003743	LDL2-218X30GR	Green					Light Fixing Brackets	BK-LDL2
-	1003746	LDL2-218X30RD-WD	Red					Diffusion Plate	DF-LDL2-218>
model	1003749	LDL2-218X30SW-WD	White				0.15	Polarizing Plate	PL-LDL2-218X (PL-LDL2-218X30
le n	1003748	LDL2-218X30BL-WD	Blue	218x30 mm	24 V	18 W	240 g	Protective Plate	CV-LDL2-218X30
Wide	1003747	LDL2-218X30GR-WD	Green					Light Fixing Brackets	BK-LDL2
	1003750	LDL2-266X30RD	Red					Diffusion Plate	DF-LDL2-266>
Narrow model	1003753	LDL2-266X30SW	White					Polarizing Plate	PL-LDL2-266X (PL-LDL2-266X30
N N	1003753			266x30 mm	24 V	21 W	280 g	Protective Plate	
arro		LDL2-266X30BL	Blue				Ū		CV-LDL2-266>
	1003751	LDL2-266X30GR	Green					Light Fixing Brackets	BK-LDL2
Wide model	1003754	LDL2-266X30RD-WD	Red					Diffusion Plate	DF-LDL2-266X PL-LDL2-266X
l a	1003757	LDL2-266X30SW-WD	White	266x30 mm	24 V	21 W	280 g	Polarizing Plate	(PL-LDL2-266X30-
/ide	1003756	LDL2-266X30BL-WD	Blue					Protective Plate	CV-LDL2-266X
2	1003755	LDL2-266X30GR-WD	Green					Light fixing Brackets	BK-LD

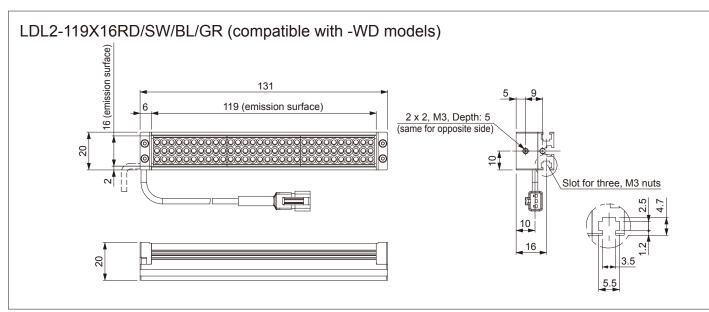
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## Dimensional diagrams (mm)

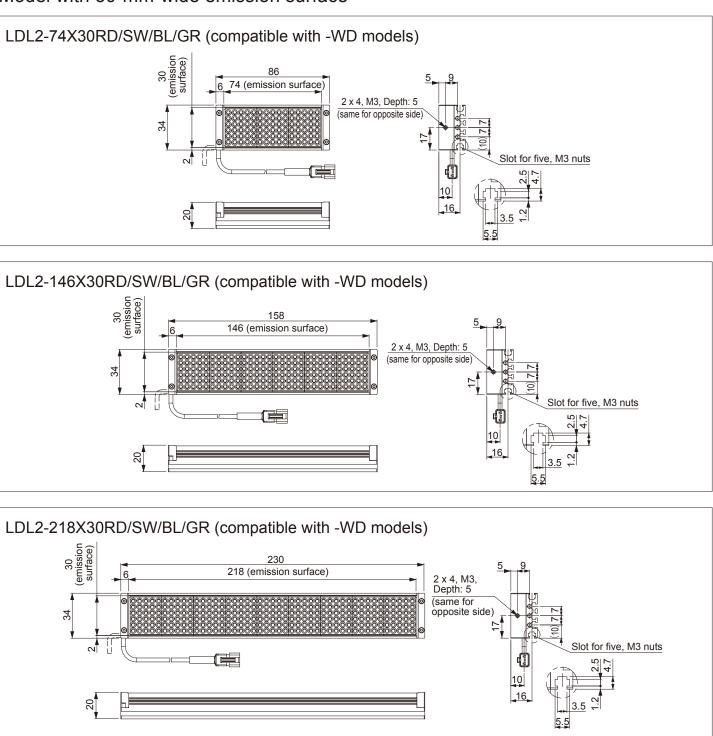
Model with 16-mm-wide emission surface

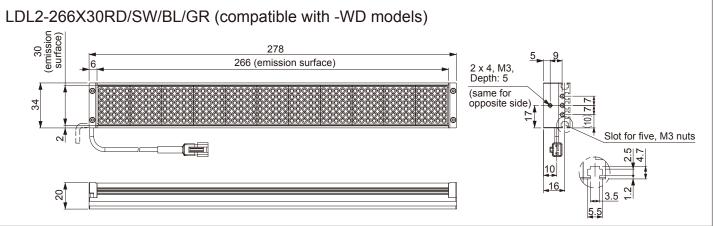






Model with 30-mm-wide emission surface





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## Direct Lighting LDL2 Series Instruction Guide CE

Thank you for purchasing a CCS product. To ensure proper use of the product, please read this instruction guide before use and keep it for your future reference

### 1.Introduction

This product is an LED light used for machine vision and industrial inspection. Do not use the product for other applications, and be sure to follow the instructions below.

- Do not use the product in the following situations
- Under conditions or in an environment not described in this instruction guide In nuclear energy control systems, railroad systems, aviation systems, vehicles, combustion equipment, medical equipment, amusement machines, or safety equipment.
- In applications involving serious risk to life or property, particularly applications demanding a high level of safety. • Use and Storage temperrature and humidity
- Use the product only in the following environment.

Operating temperature and humidity Temperature: 0 to 40°C, Humidity: 20 to 85%RH (with no condensation) (indoors only) Storage temperature and humidity Temperature: -20 to 60°C, Humidity: 20 to 85%RH (with no condensation)

- Installation location
- Please install products to locations with following conditions. Incorrect installation location may cause product failure.
- In a flat and stable location with minimal vibration.
   Places free from any water, oil, liquid, chemical, or steam. Well-ventilated places with minimal dust. Places free from corrosive or combustible gas. Places that are not subject to sudden temperature changes.
   Places away from water faucets, boilers, humidifiers, air conditioners, heaters, or stoves.

## 2, Important Information for Equipment Safety -Read Before Use-

Incorrect usage of the product may result in fire, electric shock, or other serious damages. Please ensure to follow the conditions below.

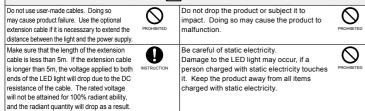
Symbol Descriptions

Warnir	g Indicates that incorrect usage may result in serious injury or death.				
Cautio	n Indicates that incorrect usage may result in injury or property damage.				
Symbol Examples					
	A symbolic indicate equation (also including danger and warning). The example shown here				

RIRE HAZARD	$\Delta$ symbols indicate caution (also including danger and warning). The example shown here indicates a fire caution.
DISASSEMBLY PROHIBITED	$\bigotimes$ symbols indicate prohibited acts. The example shown here indicates prohibition to disassemble.
UNPLUG	• symbols indicate instructions for specific actions. The example shown here indicates that the power cord must be disconnected.

- 1 -

Warning LED light radiation may cause corneal or retinal abnormalities if you look directly at the light. To 渔 prevent harmful light exposure, never look directly at the LED light. Do not disassemble or modify the Do not touch the product with wet hand (product. Doing so may result in fire or Doing so may result in electric shock. electric shock. This product generates high temperatures. Do Make sure that the product is free of moisture  $\triangle$  $(\mathfrak{A})$ not touch the product while it is turned on or or any liquid. mediately after it is turned off, or burning may Exposure to water may result in fire, electric OF HIGH FMPERATURE TO NOT SUBJEC result. Provide cooling with a fan or other ventilation shock, or product failure if the product is to be used in a closed space Connect or disconnect the light cable only after turning off the power supply for the ∕ð LED light. Failure to do so may result in circuit damage, fire caused by a minute spark, or electric shock. If abnormal condition occurs such as fuming, heat, smell, noise, or so on, stop using the product immediately, and turn the power off. A fire or electric shock may result if the product is kept used. Z 



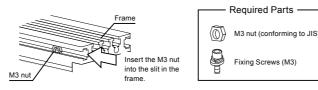
## **3**, Product Information

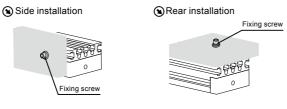
The product is provided with a tag specifying the class of risk maximum output and wavelength of LED light. The surface of the tag is classified by color according to the luminescence color. The back of the tag specifies the model name, power consumption, and serial number



## 4.Installation

## Installation on a Frame



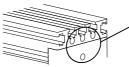


## Installation Using a Tap Hole

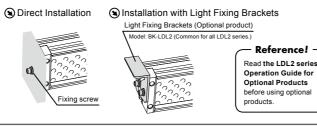
5. Operating Instructions

The lighting angle is

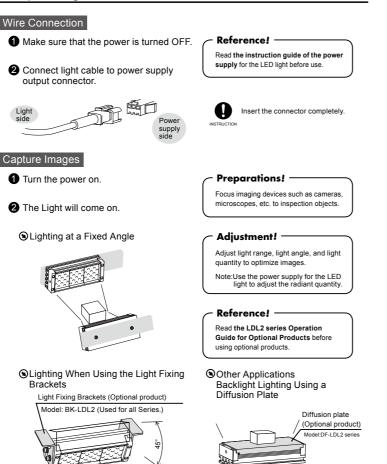
adjustable



### Tap hole for installation Provided on both sides Required Parts :Fixing Screws (M3)



The tap holes on the back surface are for factory use. Do not use Caution them for installation. - 3



- 4 -

## 6. Specifications

Weight



50a

LED COIOr	Red (RD)	VVnite (SVV)	Bine (RT)	Green (GR)	herevelent ehremin							aannann, (4)
Input voltage		24V	max.		hexavalent chromium, (5) polybrominated biphenyl (PBB), and (6) polybrominated diphenyl ether (PBDE).							
Peak wavelength (typ.)	635nm	-	470nm	525nm	*Standards for "Re Lead	Mercury	Cadn	nium Hex	xavalent chromiun			PBDE
Relative color temperature (typ.)	_	6600K	_	_	1000ppm Min (Items that are exe	1000ppm Min empted in the Ro	100pp HS Directive		1000ppm Min	1000ppm indards.)	MIN 1	000ppm Min
Cable		0.	3m		$9_{L}$ China		roctivo					
Connector	SMR-03V-B				<u>9,01111a</u>	KONS DI	lective					
Polarity and signal	1: And	ode (+) brown, 2:	NC, 3: Cathode	(-) blue	China RoHS Direc							
Case material		Alumin	um alloy		Products", which w the usage of six su							
Cooling method		Natural a	air cooling		and polybrominate	ed diphenyl ether	(PBDE). This	regulation re	equires electro	nic informatio	on products w	hich are
				,	manufactured or in	nported, and sold	in China, to o	clearly disclo	se contents of	he 6 restricte	ed substance	s listed below.
					Name	and amount of to	ixic and haza	rdous substa	inces or eleme	nts, which pr	oducts conta	ain
LDL2-41x16 Series	S	LDL2-74	x30 Series		Usage Deadline			Toxic	or Hazardous Sul	stances and El	ements	1
Power consumption	1.9W max	Power co	onsumption	5 7W max	for Environmental Protection	Product name	Lead (Pb)	Mercury (Ha)	Cadmium	Hexavalent chromium	РВВ	PBDE

100a

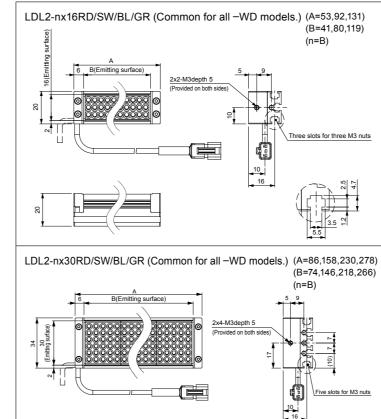
LDL2-80x16 Serie	s	LDL2-146x30 Series				
Power consumption	3.8W max.	Power consumption	12W max.			
Weight	75g	Weight	170g			

Weight

_DL2-119x16 Serie	es	LDL2-218x30 Seri	es
Power consumption	5.7W max.	Power consumption	18W max.
Weight	95g	Weight	240g
		LDL2-266x30 Seri	es
		Power consumption	21W max.
		Weight	280g

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7. Dimensional diagrams (mm)



ion plates, polarizing plates, and prote plates cannot be stacked for installation or used 5.5

## 8. EU RoHS Directive

The RoHS Directive is short for the "restriction of use of certain hazardous substances in electrical and electronic equipment." As a directive, it restricts the use of specific hazardous substances for new electrical and electronic equipment marketed in the EU on or after July 1, 2006, and restricts the use of six substances, which are (1) lead, (2) mercury, (3) cadmium, (4)

Usage Deadline for Environmental Protection		Toxic or Hazardous Substances and Elements							
	Product name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	PBB	PBDE		
1	LED Lights	×	0	×	0	0	0		

tes that this toxic or h ned in all the ho ials for this part, according to SJ/T11363-2006 is within the limit requirement.

Indicates that this toxic or hazardous substance contained in all the homogeneous materials for this part, according to SJ/T11363-2006 is over the limit requirement

Lead and cadmium are excluded in EU RoH

uage declame for environmental protection? The number used in this logi or based on "Management Methods for Controlling Pollution by Electronic Information Products" and relat regulations from People's Republic of China. It shows the product usage duration in years for environmental protection. After finishing a produ usage, the product need to be re-used or discard appropriately following local law and regulations, complying with safety and usage caution.

#### 产品中有毒有害物质或元素的名称及含量

环保使用期限	产品	有毒有害物质或元素							
	7 88	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬(Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)		
	LED 照明	×	0	×	0	0	0		
<ul> <li>○:表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11963-2006 标准规定的限量要求以下。</li> <li>X:表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。</li> <li>(注) 铂和辐中的"×",因欧洲 RoHS 没限定,故用"○"表示。</li> </ul>									
环保使用期限 此标志的数字是根据中华人民共和国电子信息产品污染控制管理办法以及有关标准等。表示该产品的环保使用期限的年数。									

遵守产品的安全和使用上的注意,在产品使用后采取适当的方法根据各地法律,规定,回收再利用或进行废弃处理。

## *10.* Laser Safety Standards (IEC60825-1 Amd.2)

LED illumination devices are laser products as stipulated by IEC (International Electrotechnical Commission) and JIS (Japanese Standards Association). A brief summary of the hazard classes is provided below.

- 7 -

Class	Outline of risk evaluation
Class 2	Low-output visible light (400 to 700 nm): The eyes are generally protected by an aversion reaction, such as blinking.

#### Warranty Information

EXCEPT FOR THE EXPRESS WARRANTIES STATED IN THIS AGREEMENT, COMPANY MAKES NO ADDTIONANAL WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, AS TO ANY MATTER WHATSOEVER. IN PARTICULAR, ANY AN ALL WARRANTIES OF MERCHANTABILITY OR FITHERS FOR PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. EXCEPT AS EXPRESSLY SET FORTH HEREIN, COMPANY MAKES NO WARRANTIES WITH RESPECT TO THE PRODUCTS.

#### WARRANTY PERIOD: TWO YEARS (ONE YEAR FOR RADIANT QUANTITY), STARTING FROM CCS Inc. SHIPPING DATE.

CCS Inc. WILL REPAIR OR REPLACE THE PRODUCT FREE OF CHARGE IF IT SHOULD FAIL TO FUNCTION OR IF THE RADIANT QUANTITY OF THE PRODUCT SHOULD DROP TO 50% OR LESS OF ITS INITIAL RADIANT QUANTITY WITHIN THE SPECIFIED WARRANTY PERIOD. IF EITHER OF THESE CONDITIONS OCCURS, PLEASE TAKE THE PRODUCT TO YOUR CCS SALES REPRESENTATIVE

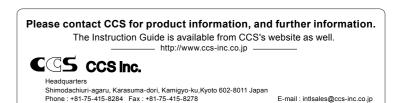
#### WARRANTY TERMS

- CCS Inc. WILL REPAIR OR REPLACE THE PRODUCT FREE OF CHARGE IF IT SHOULD FAIL TO FUNCTION UNDER USE ON ICE WITH THE IN RUCTION GUIDE AND OTHER WE INDICATED WARRANTY PERIOD OF TWO YEARS
- 2 CCS Inc. WILL REPAIR OR REPLACE THE PRODUCT FREE OF CHARGE IF ITS RADIANT QUANTITY SHOULD DROP TO 50% OR LESS OF ITS INITIAL RADIANT QUANTITY UNDER USE ON OUR SPECIFIED CONDITION IN ACCORDANCE WITH THE INSTRUCTION GUIDE AND OTHER WRITEN CAUTIONS DURING THE INDICATED WARRANTY PERIOD OF ONE YEAR.

- DAMAGE TO THE TROUGHT ALLURES, EARTHQUAKES, THUNDERSTORMS, WIND AND FLOODELMA, THE ANY OTHER ACT OF PROVIDENCE, OR FROM ANY EXTRAORDINARY CONDITIONS SUCH AS ELECTRICAL SURGES, WATER LEAKAGE, CONDENS
- R THE USE OF CHEMICALS. AT THE USE OF CHEMICALS. F THE DAMAGE RESULTS FROM CONNECTION TO ANY POWER SUPPLY OR TO ANY EQUIPMENT WHICH CCS Inc. DOES NOT IANUFACTURE OR DOES NOT SPECIFY FOR USE.
- CCS ASSUMES NO LIABILITY FOR ANY PURCHASER'S SECONDARY DAMAGE (DAMAGE OF EQUIPMENT, LOSS OF OPPORTUNITIES LOSS OF PROFITS, ETC.) OR ANY OTHER DAMAGE RESULTING FROM A FAILURE OF OUR PRODUCT.
- THIS WARRANTY INFORMATION PROVIDES THE SCOPE OF CCS'S PRODUCT WARRANTY WITHIN THE SPECIFIED PERIOD AND DOES OT INDICATE OR IMPLY ANY FURTHER GUARANTEE BEYOND THE WARRANTY TERMS

CONTACT CCS FOR INQUIRIES OR INFORMATION ON REPAIRS TO THE PRODUCT AFTER THE EXPIRATION OF THE WARRANTY

NOTE: THE RADIANT QUANTITY REFERS TO THE WATTAGE OF PHYSICAL ENERGY RADIATED FROM A LED. IT REFERS TO THE RADIATION LUMINOSITY OF THE LED MEASURED UNDER CONDITIONS SPECIFIED BY CCS OR THE RADIATION ILLUMINATION OF THE LED UNDER SPECIFIED IRRADIATION CONDITIONS. CCS SPECIFIES THE RADIANT QUANTITY FOR EACH LED LIGHT BECAUSE THE MEASUREMENT AND IRRADIATION CONDITIONS VARY FROM THE FORM, THE APPLICATION AND THE IRRADIATION WAVELENGTH.



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