



# Bar Lights

## LDL2 Series

**Highly functional Bar Lights**  
New mounting methods for Installation flexibility.



### A Broad Range of Applications

A freely adjustable light direction and angle allow these models to handle a wide variety of applications.

The two figures shown below demonstrate how the illumination's axis and angle can be changed to yield completely different images. This becomes an issue with workpieces with glossy surfaces or parallel grooves, for example. Bar Lights are adjustable allowing you to change the light direction and angle to obtain the optimal image.



Light Direction, Image A

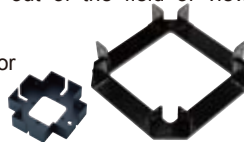


Light Direction, Image B



Image A is washed out because the light reflects straight back from parallel metallic grooves. Image B shows the lettering clearly because the light reflects out of the field of view, leaving the background dark.

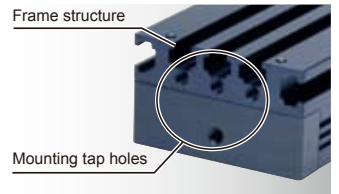
Mounting brackets are available for four different illumination directions. For further details, refer to page 93.



For the LDL2-33x8 Series For the LDL2 Series

### Flexibility of Mounting to Match Your Site Environment

Installation can be achieved with either frame mounting or traditional mounting with tap holes. You therefore have the freedom to select the installation method according to your site environment.

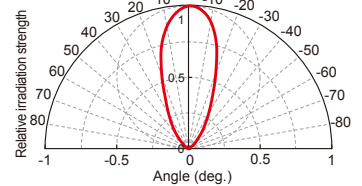
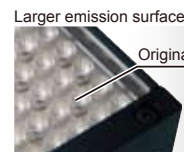


\*The LDL2-33x8 Series provides only tap holes for installation.

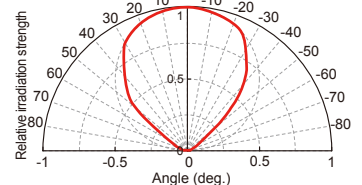
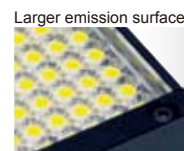
### Focus Angle Characteristics of Wide and Narrow Types

There are two directional pattern selections: narrow, which focuses the light into a beam, and wide (WD), which spreads the light out over a broad area. This selection is available over the entire lineup.

Directional Characteristics of Narrow Model

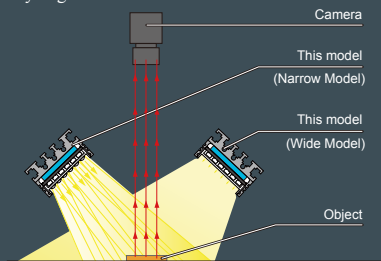


Directional Characteristics of Wide Model



### Illumination structure of LDL2-74x30

LEDs are arranged at high-density on a single flat circuit board and the work can be illuminated from any angle as desired.



### The LDL2-33x8, the smallest member of the Series, helps you save space

Lightweight, compact designs lend themselves to installation in tight equipment spaces.



\*Only the wide directional pattern is available.

#### Application Examples

Installation in tight equipment spaces is also possible.



Supplementing other lighting is another possible application.



# Product Lineup Table

Direct Number : You can easily access the web page providing information on any desired product by simply entering the 7-digit direct number in the space provided. (Refer to the back cover of this brochure.)

Series	Direct Number	Model Name	Color	Power Consumption	Option	Dimension
LDL2	1004646	LDL2-33×8RD	●	24V / 0.8W	D P B	1
	1004647	LDL2-33×8SW	○			
	1004648	LDL2-33×8BL	●			
	1004649	LDL2-33×8GR	●	24V / 1.9W	D P C B	2
	1003702	LDL2-41×16RD	●			
	1003705	LDL2-41×16SW	○			
	1003704	LDL2-41×16BL	●			
	1003703	LDL2-41×16GR	●			
	1003706	LDL2-41×16RD-WD	●			
	1003709	LDL2-41×16SW-WD	○			
	1003708	LDL2-41×16BL-WD	●			
	1003707	LDL2-41×16GR-WD	●			
	1003710	LDL2-80×16RD	●	24V / 3.8W	D P C B	2
	1003713	LDL2-80×16SW	○			
	1003712	LDL2-80×16BL	●			
	1003711	LDL2-80×16GR	●			
	1003714	LDL2-80×16RD-WD	●			
	1003717	LDL2-80×16SW-WD	○			
1003716	LDL2-80×16BL-WD	●				
1003715	LDL2-80×16GR-WD	●				
1003718	LDL2-119×16RD	●	24V / 5.7W			
1003721	LDL2-119×16SW	○				
1003720	LDL2-119×16BL	●				
1003719	LDL2-119×16GR	●				
1003722	LDL2-119×16RD-WD	●				
1003725	LDL2-119×16SW-WD	○				
1003724	LDL2-119×16BL-WD	●				
1003723	LDL2-119×16GR-WD	●				

\*The peak wavelength for Red lights is 635 nm. If a sharp-cut filter is required, use a R60 Filter (optional).

\*The LDL2-33×8 provides only the wide directional pattern.

\*The following letters indicate options.

D: Diffusion Plate, P: Polarizing Plate, C: Cover, B: Bracket

\*For further details on these options, refer to page 91 to 93.

Existing Bar Light LDL series was discontinued at the end of July, 2011. LDL2 series is recommended as replacement.

Series	Direct Number	Model Name	Color	Power Consumption	Option	Dimension
LDL2	1003726	LDL2-74×30RD	●	24V / 5.7W	D P C B	3
	1003729	LDL2-74×30SW	○			
	1003728	LDL2-74×30BL	●			
	1003727	LDL2-74×30GR	●			
	1003730	LDL2-74×30RD-WD	●			
	1003733	LDL2-74×30SW-WD	○			
	1003732	LDL2-74×30BL-WD	●			
	1003731	LDL2-74×30GR-WD	●			
	1003734	LDL2-146×30RD	●			
	1003737	LDL2-146×30SW	○			
	1003736	LDL2-146×30BL	●			
	1003735	LDL2-146×30GR	●			
	1003738	LDL2-146×30RD-WD	●			
	1003741	LDL2-146×30SW-WD	○			
	1003740	LDL2-146×30BL-WD	●			
	1003739	LDL2-146×30GR-WD	●			
	1003742	LDL2-218×30RD	●	24V / 18W	D P C B	3
	1003745	LDL2-218×30SW	○			
	1003744	LDL2-218×30BL	●			
	1003743	LDL2-218×30GR	●			
	1003746	LDL2-218×30RD-WD	●			
	1003749	LDL2-218×30SW-WD	○			
	1003748	LDL2-218×30BL-WD	●			
	1003747	LDL2-218×30GR-WD	●			
	1003750	LDL2-266×30RD	●			
	1003753	LDL2-266×30SW	○			
	1003752	LDL2-266×30BL	●			
	1003751	LDL2-266×30GR	●			
	1003754	LDL2-266×30RD-WD	●			
	1003757	LDL2-266×30SW-WD	○			
	1003756	LDL2-266×30BL-WD	●			
	1003755	LDL2-266×30GR-WD	●			

## Built-to-order models

Series	Model Name	Color	Emission surface size	Power Consumption	Option	Dimension
LDL2	LDL2-158×16(-WD)	● ○ ●	158×16mm	24V / 7.6W	D P C B	2
	LDL2-197×16(-WD)		197×16mm	24V / 9.5W		
	LDL2-236×16(-WD)		236×16mm	24V / 12W		
	LDL2-275×16(-WD)		275×16mm	24V / 14W		
	LDL2-314×16(-WD)		314×16mm	24V / 16W		
	LDL2-353×16(-WD)		353×16mm	24V / 18W		
	LDL2-392×16(-WD)		392×16mm	24V / 19W		
	LDL2-431×16(-WD)		431×16mm	24V / 21W		
	LDL2-470×16(-WD)		470×16mm	24V / 23W		
	LDL2-509×16(-WD)		509×16mm	24V / 25W		

\*The peak wavelength for Red lights is 635 nm. If a sharp-cut filter is required, use a R60 Filter (optional).

\*The optional WD suffix indicates the wide directional pattern.

\*The following letters indicate options.

D: Diffusion Plate, P: Polarizing Plate, C: Cover, B: Bracket

\*For the availability of other options, ask your CCS representative.

Series	Model Name	Color	Emission surface size	Power Consumption	Option	Dimension
LDL2	LDL2-26×30(-WD)	● ○ ●	26×30mm	24V / 1.9W	D P C B	3
	LDL2-50×30(-WD)		50×30mm	24V / 3.8W		
	LDL2-98×30(-WD)		98×30mm	24V / 7.6W		
	LDL2-122×30(-WD)		122×30mm	24V / 9.5W		
	LDL2-170×30(-WD)		170×30mm	24V / 14W		
	LDL2-194×30(-WD)		194×30mm	24V / 16W		
	LDL2-242×30(-WD)		242×30mm	24V / 19W		
	LDL2-290×30(-WD)		290×30mm	24V / 23W		
	LDL2-314×30(-WD)		314×30mm	24V / 25W		
	LDL2-338×30(-WD)		338×30mm	24V / 27W		
	LDL2-362×30(-WD)		362×30mm	24V / 29W		
	LDL2-386×30(-WD)		386×30mm	24V / 31W		
	LDL2-410×30(-WD)		410×30mm	24V / 33W		
	LDL2-434×30(-WD)		434×30mm	24V / 35W		
	LDL2-458×30(-WD)		458×30mm	24V / 37W		
	LDL2-482×30(-WD)		482×30mm	24V / 38W		
	LDL2-506×30(-WD)		506×30mm	24V / 40W		

## Dimension Diagrams (Unit: mm)

Standard part
Special order

**1.**

**2.**

The wide versions (-WD) have the same sizes.

Model Name	A	B	Model Name	A	B
LDL2-41×16(RD/SW/BL/GR)	53	41	LDL2-314×16(RD/SW/BL/GR)	326	314
LDL2-80×16(RD/SW/BL/GR)	92	80	LDL2-353×16(RD/SW/BL/GR)	365	353
LDL2-119×16(RD/SW/BL/GR)	131	119	LDL2-392×16(RD/SW/BL/GR)	404	392
LDL2-158×16(RD/SW/BL/GR)	170	158	LDL2-431×16(RD/SW/BL/GR)	443	431
LDL2-197×16(RD/SW/BL/GR)	209	197	LDL2-470×16(RD/SW/BL/GR)	482	470
LDL2-236×16(RD/SW/BL/GR)	248	236	LDL2-509×16(RD/SW/BL/GR)	521	509
LDL2-275×16(RD/SW/BL/GR)	287	275			

**3.**

The wide versions (-WD) have the same sizes.

Model Name	A	B	Model Name	A	B
LDL2-26×30(RD/SW/BL/GR)	38	26	LDL2-194×30(RD/SW/BL/GR)	206	194
LDL2-50×30(RD/SW/BL/GR)	62	50	LDL2-218×30(RD/SW/BL/GR)	230	218
LDL2-74×30(RD/SW/BL/GR)	86	74	LDL2-242×30(RD/SW/BL/GR)	254	242
LDL2-98×30(RD/SW/BL/GR)	110	98	LDL2-266×30(RD/SW/BL/GR)	278	266
LDL2-122×30(RD/SW/BL/GR)	134	122	LDL2-290×30(RD/SW/BL/GR)	302	290
LDL2-146×30(RD/SW/BL/GR)	158	146	LDL2-314×30(RD/SW/BL/GR)	326	314
LDL2-170×30(RD/SW/BL/GR)	182	170	LDL2-338×30(RD/SW/BL/GR)	350	338
			LDL2-362×30(RD/SW/BL/GR)	374	362
			LDL2-386×30(RD/SW/BL/GR)	398	386
			LDL2-410×30(RD/SW/BL/GR)	422	410
			LDL2-434×30(RD/SW/BL/GR)	446	434
			LDL2-458×30(RD/SW/BL/GR)	470	458
			LDL2-482×30(RD/SW/BL/GR)	494	482
			LDL2-506×30(RD/SW/BL/GR)	518	506