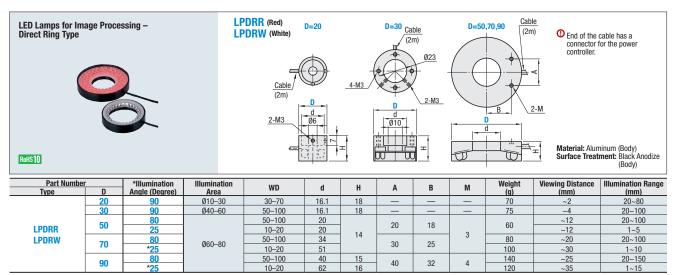
# **LED Lamps for Image Processing**

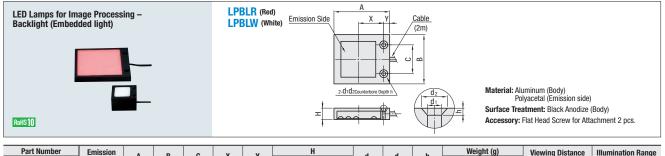
**Direct Ring Type / Backlight (Embedded light)** 



O For LPDRR, LPDRW, use LEDCNR0.5 (Click here) controller. (Third-party controllers cannot be used.)

\*There are no LPDRR-70-25 or LPDRR-90-25 models.

\* When selecting an illumination angle, refer to the "Features and Usage of LED Lighting" below.



	Туре	No.	side	A	P P	U U	^	T	LPBLR	LPBLW	u <sub>1</sub>	d <sub>2</sub>	n	LPBLR	LPBLW	(mm)	(mm)
	LPBLR	25	25 x 25	40	35	20	18	4.5	8	25	3.4	6	2	55	100	~20	1~100
LPBLW		50	50 x 50	70	60	40	33	7	10					100	200	~45	1~100
	LPDLW	75	75 x 75	95	85	50	46	6.5			4.5	8.5	3	150	320	~70	1~100

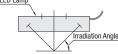
Use with LEDCNR1 / LEDCNRF2 P2145 controllers (Other manufacturer's controllers cannot be used.)

日	Part Number	Part Number	]-	Exposure Angle	
	Example	LPDRR50 LPBLW50	-	80	

#### Features and Usage of LED Lighting (1) Direct Ring Type

- By illuminating from 360° direction, even lighting without a shadow is obtained.
- As to the lighting of a wide illumination angle (80°), large amount of light can be obtained; therefore, it is suited when bright luminance is required. (a) However, the reflection of LED Lighting may occur in the case of the product that has gloss. In such cases, reflection can be reduced by using diffuser disc (board).
- As to the lighting of small illumination angle (25°), it is suitable to detect shallow irregularities and flaws without the reflection of LED Lighting even against gloss materials because of the low angled irradiation (b).



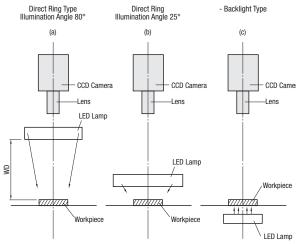


📌 MiSUMi

#### (2) Backlight Type

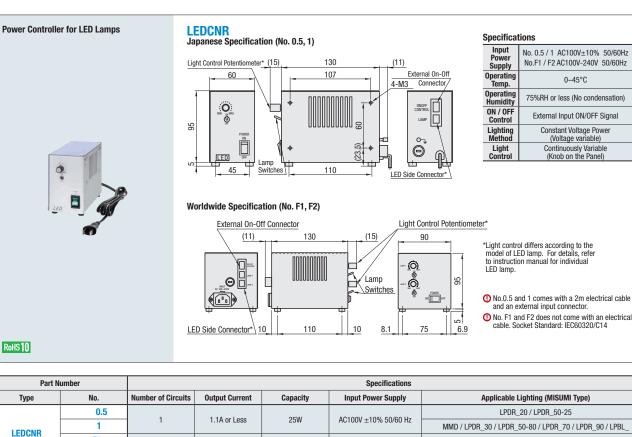
- LED Light faces and lightens directly up above, and the large amount of luminance can be obtained. Also, uniform illumination is achieved using a diffuser board. - Do not occupy much space as it is designed to be compact (c).

## (Fig.2) Examples of Each LED Lamps Applications



# There's more on the web: misumiusa.com

# **Power Controller for LED Lamps**





**F1** 

F2

Part Number

LEDCNR1

## **Operation Method**

1.3A or less

(1) Confirm that the cable, connectors, etc. are (2) Turn ON the power switch. (3) The ON/OFF of the LED lighting is operated LAMP ON/OFF switch. (4) When LED light is ON, brightness is adjusted with the light control knob.

30W

AC100V

### Image Sample

<b>v</b> 1						
lmage Sample		Renty Caster Ten Bag		cici <b>m</b> icicic <b>A</b> cici <b>m</b> icicic	MISUMI	
Work	Wire-Bonded Part on Circuit Board	Package of Tea Bag	IC (Laser Mark)	Lead Frame	Printing on Cardboard	Semiconductor Lead Bending
Lens	LFSHB-6-198	LCV6/LCVR1	LCV25/LCVR5	LCV50/LCVR5	LCV12/LCVR1x3	LTAB5/LTABA5
LED Lamp	LPDRR30-90	LPDRW90-80*	LPDRR90-25	LPBLR75	LPDRR90-80	LPDRR70-25
CCD Camera • WD	2/3 inch • 37	2/3 inch • 75	2/3 inch • 130	2/3 inch • 370	2/3 inch • 130	2/3 inch • 65
lmage Sample						
Work	Fuse	Engravings on Cutter Edge	Chin Condenser	Tin Parts in the Tane (Presence Check)	Elat Washer (Scratch Detection	Circuit Board Pattern

lmage Sample	-	JAPA				
Work	Fuse	Engravings on Cutter Edge	Chip Condenser	Tip Parts in the Tape (Presence Check)	Flat Washer (Scratch Detection)	Circuit Board Pattern
Lens	LFSL29-0.5-50.5	LFSHA-2-72.8	LFSHA-4-103.8	LFSL16-0.7-48	LFSL16-1-50	LFSHB-4-158
LED Lamp	LPBLR50	LPDRR30-90	LPDRR30-90	LPBLR50	LPDRR50-25	LPDRR30-90
CCD Camera • V	<b>D</b> 2/3 inch • 95	2/3 inch • 75	2/3 inch • 75	2/3 inch • 95	2/3 inch • 68	2/3 inch • 45

Check out misumiusa.com for the most current pricing and lead time.

2144



\*Light control differs according to the model of LED lamp. For details, refer to instruction manual for individual

No.0.5 and 1 comes with a 2m electrical cable and an external input connector. O No. F1 and F2 does not come with an electrical cable, Socket Standard; IEC60320/C14

0-45°C

Specifications	
ut Power Supply	Applicable Lighting (MISUMI Type)
01 100 50/00 11-	LPDR_20 / LPDR_50-25
0V ±10% 50/60 Hz	MMD / LPDR_30 / LPDR_50-80 / LPDR_70 / LPDR_90 / LPBL_
AC100V-240V	LPDR_20 / LPDR_50-25
50/60 Hz	MMD / LPDR_30 / LPDR_50-80 / LPDR_70 / LPDR_90 / LPBL_

all connected.	<ul> <li>(5) The turn-off/on of the LED lighting device is facilitated by the external ON/OFF signal inputs.</li> <li>Input Signal Area :</li> <li>Voltage Applied (VDD) = DC12V (Min.) – DC24V (Max.)</li> <li>Input Current (IF) = LED lighting is turned off</li> </ul>
	when input 10 mA (Max.)
ed	(6) Turn off the power switch.
	*Be sure to turn off the power switch before removing or mounting the lamps. Never remove or mount lamps during operation, or it may result in malfunctioning of the lighting device.