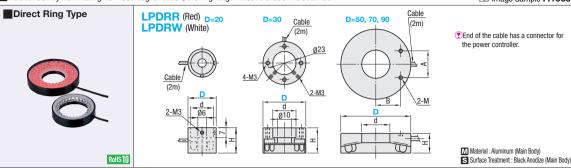
## **LED Lighting for Cabinetry**

## **Direct Ring / Backlight**

Features: By illuminating from 360 deg. direction, even lighting without a shadow is obtained.

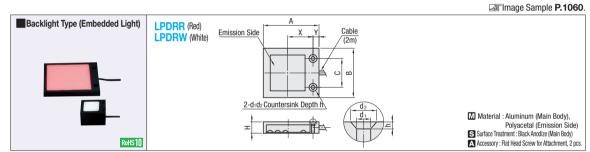
Image Sample P.1060.



Part Number		* Illumination Angle	Illumination	WD	4	н	Λ.	В	М	Mass	Unit Price	Volume Discount Rate
Туре	D	(degree)	Area	WD	u	П	Α	ь	IVI	(g)	1 ~ 4 pc(s).	5 ~ 20 pcs.
LPDRR LPDRW	20	90	Ø10~30	30~70	16.1	18	-	-	-	70		
	30	90	Ø40~60	50~100	16.1	18	-	-	-	75		
	50	80	Ø60~80	50~100	20	14	20	18	3	60		
		25		10~20	20					00		
	70	80		50~100	34		30	25		80		
		*25		10~20	51					100	]	
	90	80		50~100	40	15 16	40	32	4	140		
		*25		10~20	62					120	1	

For LPDRR and LPDRW, use LEDCNR0.5 (P.1060) controller. (Third-party controllers cannot be used.) \* LPDRR 70-25 and 90-25 in the Specification Table are not available. \* When selecting an illumination angle, refer to the "Features and Usage of LED Lighting" below.

• For orders larger than indicated quantity, please check with WOS.



Part Number		Fii						ш					M (-)		LPBLR		LPBLW	
Part Nur	nber	Emission Side	Α	В	С	Х	Υ	'	1	d1	d <sub>2</sub>	h	Mass (g)		Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
Type	No.	Joide						LPBLR	LPBLW				LPBLR	LPBLW	1 ~ 4 pc(s).	5 ~ 20 pcs.	1 ~ 4 pc(s).	5 ~ 20 pcs.
LPBLR	25	25×25	40	35	20	18	4.5	8		3.4	6	2	55	100				
	50	50×50	70	60	40	33	7	10	25	3.4	6	2	100	200				
LPBLW	75	75×75	95	85	50	46	6.5	1 10		4.5	8.5	3	150	320				

\*\*Use the controller LEDCNR1/LEDCNRF2 (P.1060). (Do not use the controllers of other manufacturers.)

For orders larger than indicated quantity, please check with WOS.

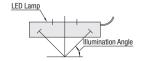


#### Features and Usage of LED Lighting

#### ① Direct Ring Typ

- By illuminating from 360 deg. direction, even lighting without a shadow is obtained.
- Units with large illumination angle (80°) provide large amounts of illumination on workpieces and are suitable when ample lighting is desired (a).
- However, the reflection of LED Lighting may occur in the case of the glossy products.

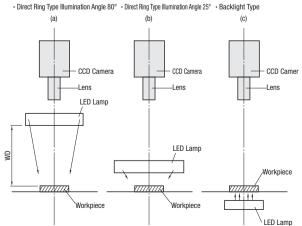
  In such cases, reflection can be reduced by using a diffuser board.
- Units with small illumination angle (25°) do not cause the LED light source reflections on gloss workpieces and are suitable for detection of shallow bumps and scratches (b).



#### ② Backlight Type

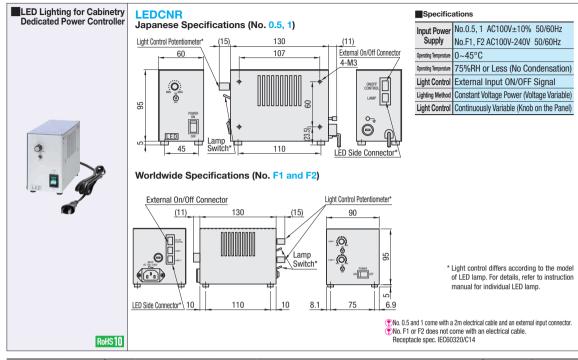
- · A lighting unit providing a large amount of illumination with LEDs facing directly upwards.
- Does not occupy much space as it is designed to be compact (c).

### Examples of LED Lamp Placements



# **Power Controller for Image Processing LED Light**

Features: The worldwide voltage specifications (F1, F2) can be used with AC100~240V.



Part Number				Unit Price	Volume Discount Rate			
Type	No.	Number of Circuits	Output Current	Capacity	Input Power Supply	Applicable Lighting (MISUMI Type)	1 ~ 4 pc(s).	5 ~ 10 pcs.
LEDCNR	0.5	1	1.1A or less	25W	AC100V±10% 50/60Hz	LPDR		
	1					MMD, LPDR 30, LPDR 50-80, LPDR 70, LPDR 90, LPBL		
	F1	2 1	1.3A or less	30W	AC100V-240V 50/60Hz	LPDR□20, LPDR□50-25		
	F2		1.3A OF TESS			MMD, LPDR 30, LPDR 50-80, LPDR 70, LPDR 90, LPBL		

For orders larger than indicated quantity, please check with WOS.

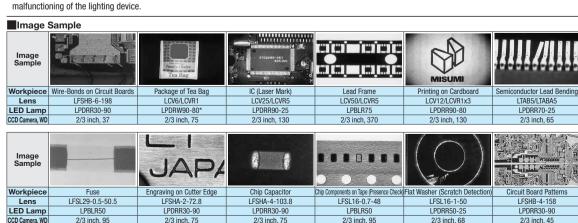


#### Operation Method

- ①Confirm that cables, connectors, etc. are all connected.
- ②Turn ON the power switch.
- 3The ON/OFF of the LED lamp is operated with LAMP ON/OFF switch.
- (4) When LED lamp is ON, brightness is adjusted with the light control knob.
- ⑤Turn-off/on of the LED lamp device is facilitated by the external ON/OFF signal inputs. Input Signal Range: Voltage (VDD) =DC12V (Min.) ~ DC24V (Max.).

LEDs are turned off when Input Current (IF) = 10mA (Max.) is applied.

- 6)Turn OFF the power switch.
- \*Be sure to turn off the power switch before removing or mounting the lamps. Never remove or install lamps while the power is ON, or it may result in



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