


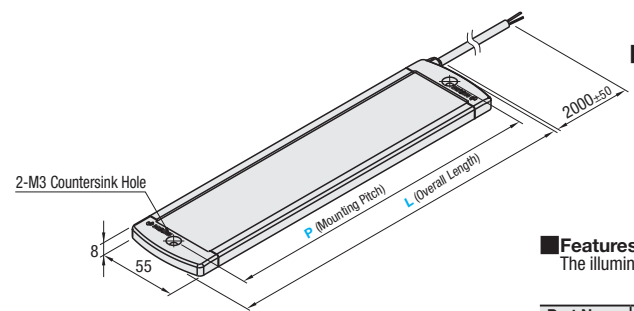
LED Flat Lights - w/Red Cover

IP20



RoHS 10

LEDVR



■ Cable Detail
Min. Bending Radius R18
3.8

■ Side View of the Mounting Interface
06.5, 2.5, 03.4, 5.5, Magnet 0.2

■ Features
The illuminance uniformity is 80% or more.

Part Name	Material	Surface Treatment
Main Body	Aluminum	Black Paint
Cover for Main Body	Polycarbonate	-
Surface Cover	PET	Mist Surface Treatment
	Acrylic	-
Magnet	Cobalt Magnets	-
Cable	Cross-linked Polyethylene	-

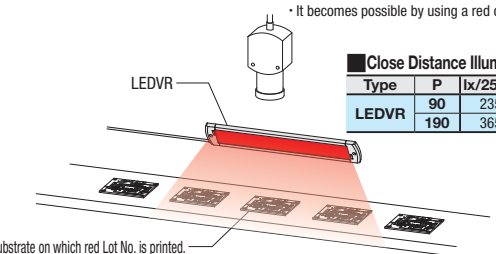
Part Number	Installing Method	L	Illuminance (Lux, lx)		Input Voltage (V)	Input Current (mA)	Power Consumption (W)	Attraction Force N (kgf)	Temperature Range (°C)	Luminous Intensity Angle	Mass (g)	Unit Price	Volume Discount Rate	
			lx/0.5m	lx/1m									1 - 9 pc(s)	10 - 50
LEDVR	Countersunk Hole or Magnet	110	20	5	DC24 ±10%	85	2	22.5 {2.3}	-20~45	120°	140			
		210	60	15										

For each detail, see the glossary on P.1055. For order and installation, confirm "Notes on Usage" section on P.1056.
As the LED elements vary on their luminous colors and luminance, they may be slightly different in their colors and brightness, though they are of the same part numbers.

Ordering Example
Part Number
LEDVR90

Example

- Red light can be used to inspect whether substrate patterns are correctly printed by erasing the red lot number.
- It becomes possible by using a red complementary color.






Substrate on which red Lot No. is printed.

■ Close Distance Illuminance (Reference)

Type	P	lx/25mm	lx/50mm
LEDVR	90	2350	1350
	190	3650	2200

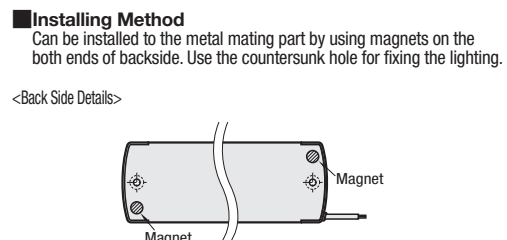
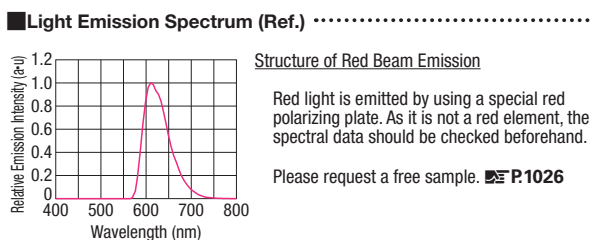
■ Example of Imaging Sample With Red Surface Emission Light <<Printed Character Inspection>>
<Original Image (Color)>



LED White Illumination →  LED Red Illumination → 


Used Light: LEDV190-W
When a black & white image is taken with a white light, all the characters are imaged as black.

Used Light: LEDVR190
By using red light, the red characters are imaged as white due to the complementary color.



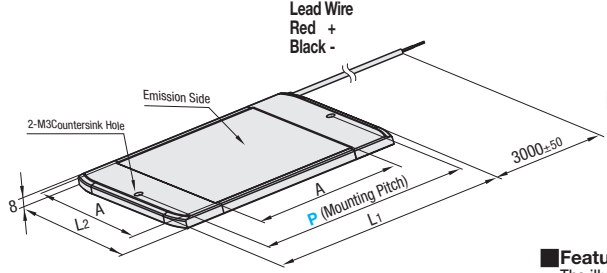
LED Flat Lights - Square, w/Red Cover

IP20



RoHS 10

LEDXR



■ Cable Detail
Min. Bending Radius R9
3.8

■ Side View of the Mounting Interface
06.5, 2.5, 03.4, 5.5, Magnet 0.2

■ Features
The illuminance uniformity is 80% or more.

Part Name	Material	Surface Treatment
Main Body	Aluminum	Black Paint
Cover for Main Body	Polycarbonate	-
Surface Cover	PET	Mist Surface Treatment
	Acrylic	-
Magnet	Cobalt Magnets	-
Cable	Cross-linked Polyethylene	-

Part Number	Installing Method	L1	L2	A (Emission Surface Dimensions)	Illuminance (Lux, lx)		Input Voltage (V)	Input Current (mA)	Power Consumption (W)	Attraction Force N (kgf)	Temperature Range (°C)	Luminous Intensity Angle	Mass (g)	Unit Price	Volume Discount Rate	
					lx/0.5m	lx/1m									1 - 4 pc(s)	5 - 9
LEDXR	Countersunk Hole or Magnet	142	114	100	90	20	DC24 ±10%	330	8	22.5 {2.3}	-20~45	120°	200			
		192	164	150	200	50										

For each detail, see the glossary on P.1055. For order and installation, confirm "Notes on Usage" section on P.1056.
As the LED elements vary on their luminous colors and luminance, they may be slightly different in their colors and brightness, though they are of the same part numbers.

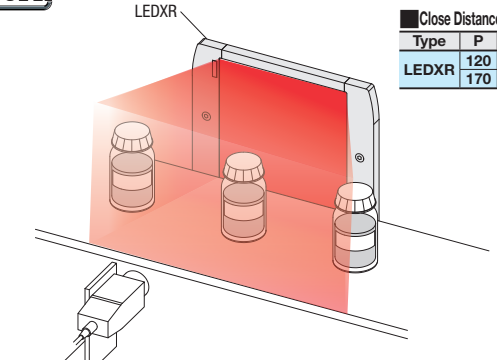
Ordering Example
Part Number
LEDXR120

Example

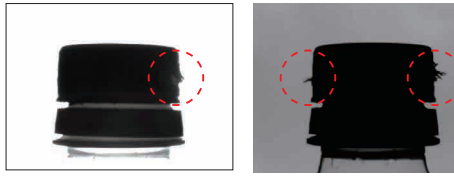
The red light can be used to inspect for the existence of burrs on caps and for imaging the liquid level.

■ Close Distance Illuminance (Reference)

Type	P	lx/25mm	lx/50mm
LEDXR	120	4300	3350
	170	5000	4500



■ Example of Imaging Sample With Red Surface Emission Light <<External Inspection of Cap>>



Used Light: LEDXR170-W

Used Light: LEDXR170

When a black & white image is taken with a white light, a burr is faintly visible on the right side.

By using a red light, in addition to the clearly visible burr on the right side, there is also a visible burr on the left that could not be detected by white light.

