LED Flat Lights - w/Red Cover
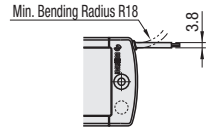
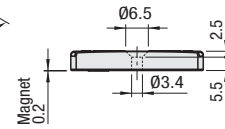**IP20**

LEDVR

RoHS10

2-M3 Countersink Hole

P (Mounting Pitch)
L (Overall Length)

2000±50

8
55

■**Cable Detail**

Min. Bending Radius R18

3.8
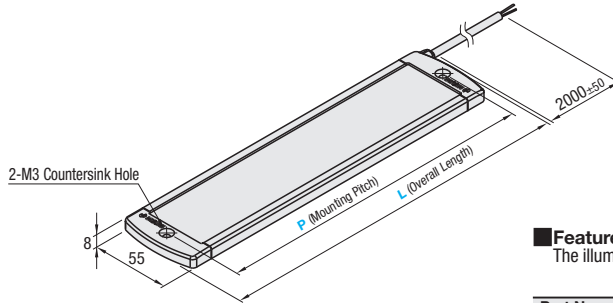
■**Side View of the Mounting Interface**

Ø6.5
2.5
Ø3.4
5.5
Magnet 0.2

■**Features**
The illuminance uniformity is 80% or more.

Part Name	**M** Material	**S** 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 (℃)	Luminous Intensity Angle	Mass (g)	Unit Price	Volume Discount Rate		
Type	P			lx/0.5m	lx/1m								1 ~ 9 pc(s).	10~19	20~50	
LEDVR	90	Countersunk Hole or Magnet	110	20	5	DC24 ±10%	85	2	22.5 {2.3}	-20~45	120°	140				
	190		210	60	15		190	5				200				

🔵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.
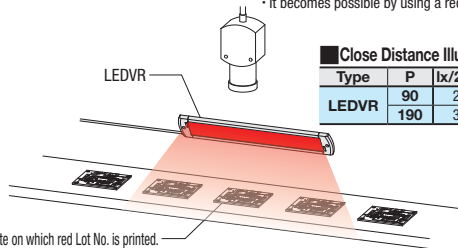
Ordering Example | **Part Number**
LEDVR90

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.

LEDVR

■**Close Distance Illuminance (Reference)**

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

Substrate on which red Lot No. is printed.

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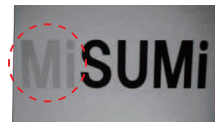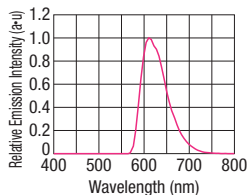<Original Image (Color)>

MiSUMi

LED White Illumination

MiSUMi

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

LED Red Illumination

MiSUMi

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

■**Installing Method**
Can be installed to the metal mating part by using magnets on the both ends of backside. Use the countersunk hole for fixing the lighting.

<Back Side Details>

Magnet

Magnet

■**Light Emission Spectrum (Ref.)**

Relative Emission Intensity (a·u)
Wavelength (nm)

Structure of Red Beam Emission

Red light is emitted by using a special red polarizing plate. As it is not a red element, the spectral data should be checked beforehand.

Please request a free sample. ▶**P.1026**