

# LED Spot Light Compact Flexible

IP67

Part Name	Material	Surface Treatment
LED Lamp	Main Body	Aluminum Anodized
	Lens	Polycarbonate
	Cable	PVC
Flexible Arm	Arm & Pedestal	SUM24 Electrostatic Paint
	Threaded Section (Lighting Side & Pedestal Side)	SWRCH (Aluminum Killed Steel) Electrostatic Paint

**RoHS10**

**RoHS10**

**ON/OFF Switch (Material: Nylon66)**

**Pedestal Details**

**ON/OFF Switch**

**Lead Wire White + Black -**

**Min. Bending R100**

\* Serrated section O.D. is Ø24.1.  
 ⚠ For AC Adapter, see P.1054.  
 ⚠ Dimming not possible. For Dimming Types, see P.1025.

Part Number	Type	Color	Illuminance (Lux, lx)		Input Voltage (V)	Input Current (mA)	Power Consumption (W)	Temperature Range (°C)	Color Temperature (Kelvin, K)	Luminous Intensity Angle	Mass (g)	Unit Price		
			lx/0.5m	lx/1m								1 ~ 4 pc(s).	5 ~ 9	10 ~ 50
LEDMF	1 (Lighting Angle 62°)	White	400	110	DC24 ±10%	50	1.2	-10~45	5000	Approx. 62°	310			
			2000	500										
	2 (Lighting Angle 14°)									Approx. 14°	325			

\* Only light unit has rating of IP67. The flexible arm and pedestal is not waterproof.  
 ⚠ 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 **LEDMF1**

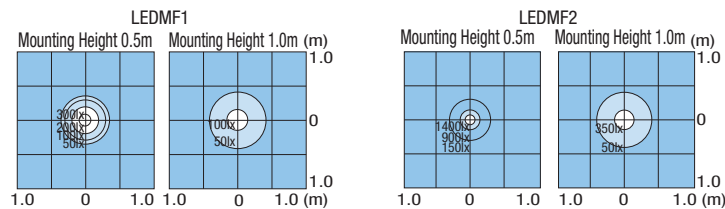
**Example** **When Light Is Not Used**

• Fix in a position that does not interfere with the work space, and keep the flexible arm standing upright so that it does not get in the way.

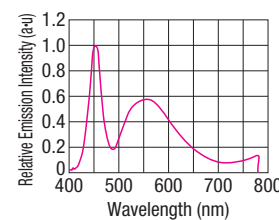
**When Light Is Used**

- It is possible to bend the flexible arm and illuminate a spot by bringing it close to a broad scope of work.
- As the switch is attached to the pedestal, the switch is suitable for environments that demand space efficiency.

**■ Illuminance Data (Ref.)**



**■ Light Emission Spectrum**



# LED Flat Lights Magnetic Base Type

IP20

Part Name	Material	Surface Treatment
LED Lamp	Main Body	Aluminum Black Paint
	Cover for Main Body	Polycarbonate
	Surface Cover	PET Mist Surface Treatment
	Magnet	Cobalt Magnets
Flexible Arm	Cable	Cross-linked Polyethylene
	Bracket	Zinc Alloy
	Arm Section	Hard steel/electrical wiring Black Baked Paint
Arm Pedestal	Arm Pedestal	SUM24L
	Main Body	SS400 Alkyd Paint
Magnetic Base	Magnet	Ferrite Magnet
	Knob	ABS Resin

**RoHS10**

**RoHS10**

**Features**  
 The light uniformity is 80% or more.

**Bottom View Diagram**

**Lead Wire Red + Black -**

**Min. Bending R100**

⚠ For AC Adapter and ON / OFF Switch, see P.1054.  
 ⚠ Dimming not possible. For Dimming Types, see P.1025.

Part Number	Type	Color	Installing Method	A	Illuminance (Lux, lx)		Fluorescent lamp illumination comparison (Ref.)	Input Voltage (V)	Input Current (mA)	Power Consumption (W)	Attraction Force N(kgf)	Temperature Range (°C)	Color Temperature (Kelvin, K)	Luminous Intensity Angle	Mass (g)	LEDVM				
					W (White)	lx/0.5m										lx/1m	1 ~ 4 pc(s).	5 ~ 9	10 ~ 50	
LEDVM	90	W (White)	Magnet	131	150	40	6W~	DC24 ±10%	85	2	784 (80)*	-20 ~ 45	5000	120°	1640					
					231	380										100	10W~	190	5	1700
					431	750										210	20W~	480	12	1820

\* The value of attachment force is a measured value (SS400 at 20 mm when pulling in vertical-direction) and not guaranteed.  
 ⚠ 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 - Color **LEDVM190 - W**

**Example**

- The optimal illumination angle can be obtained by using the flexible arm.
- With the installation position kept fixed by the attachment surface, it is possible to change the illumination direction.
- The light can be installed on the machine tool or steel work table or used as an area light for processing work or inspection processes.

**Magnetic Base Features**

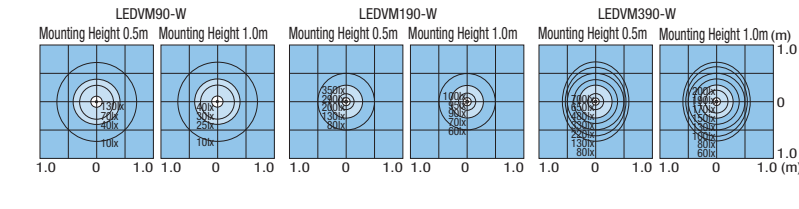
- Due to the strong magnet, there is no worry of falling over.
- The base surface magnetic force can be switched ON/OFF.
- Although weak, the back side of the switch can be attached.
- ⚠ However, the attachment force is weaker compared with the base surface magnetic force, and caution is required when mounting.

**Front View Diagram (Diagram shows OFF state)**  
 MAG: ON State  
 DEMAG: OFF State

**MAGNETIC BASE**

⚠ By changing the characteristics of the magnet base's mounting surface, such as material/shape, ambient temperature, existence of surface processing, etc. the attachment force can change. When mounting the light, check the state of attachment and be cautious of dropping or sliding.

**■ Illuminance Data (Ref.)**



**■ Light Emission Spectrum**

