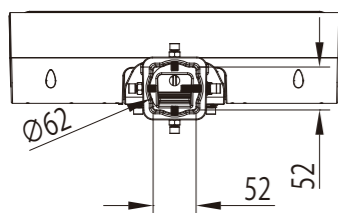
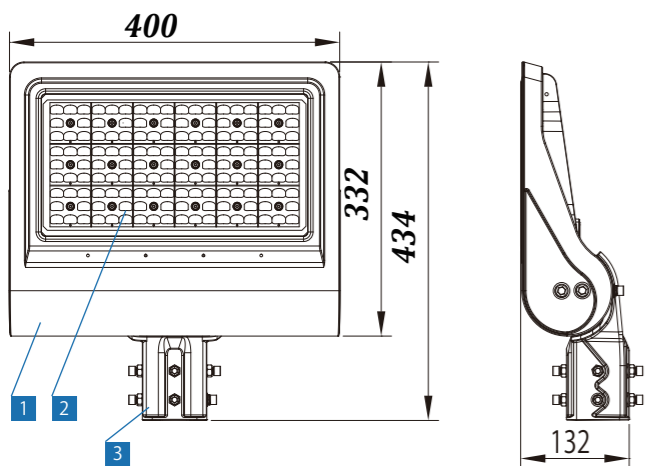


Provided technical specification.

Diagram.( VS240PV-KB/KW )



Shape drawing

Rotation direction

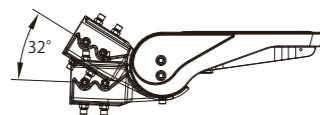
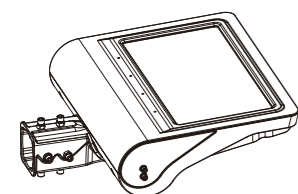
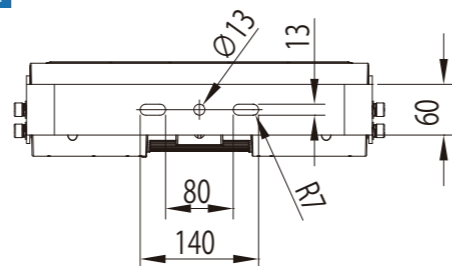
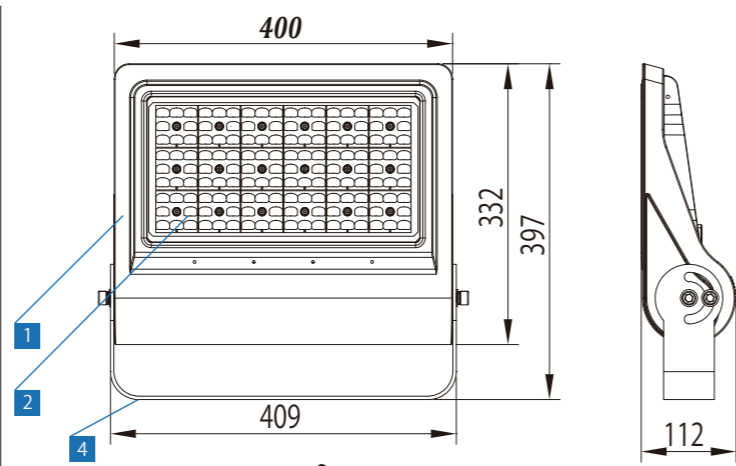
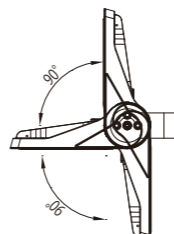
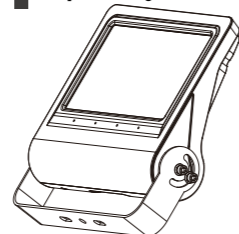


Diagram.( VS240PV-UB/UW )



Shape Drawing

Rotation Direction



Part name	Material
1 Lamp Body	Aluminum Die-cast
2 Light-emitting Surface	Tempered Glass
3 U-shaped Bracket	Die-cast Aluminum
4 U-shaped Bracket	Inox (SUS)
* U-shaped Bracket	Inox (SUS)

ViewSignon - vertical light distribution type VS240PV				
Product Code	VS240PV-KB	VS240PV-KW	VS240PV-UB	VS240PV-UW
Shape	For 50 mm square tube		U-shaped bracket	
Rated Power	Black	White	Black	White
Equivalent Brightness	Equivalent to 700W mercury lamp, 400W metal halide lamp			
Power Consumption	215W± 5W			
Beam Angle	25° × 60°			
Light Color	5000K			
Luminous Flux	27,800lm			
Current	AC100V~240V ±10% (50/60Hz)			
Weight	7.2kg		7.5kg	
Input Voltage	AC 100V~240V ± 10% (50/60Hz)			
Color Rendering Index (CRI)	> 70Ra			
Protection Rating (IP Rating)	IP66			
Power Factor (PF)	> 0.97			
Rated Lifetime	50,000 hours (at ambient temperature 25°C)			
Operating Temperature	-20°C to 50°C (humidity ≤ 90%)			
Dust/Sand Resistance	4,000 V (common mode)			
Power Cable Length	3M			
Certifications / Testing	PSE (Japan Electrical Appliance Safety Law), IEC 60068-2-6			
Warranty Period	3 years			
Accessories	User manual, safety cable			

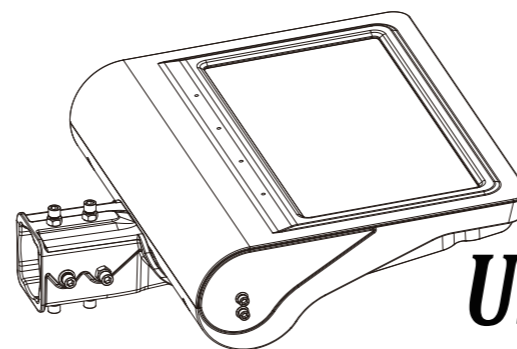
SIZE A4 Product Name View Signon PV

VS240PV-002

NIKKEN HARDWARE

For storage

Please hand over this user manual to the end user.



# LED Floodlight View Signon PV User and Installation Manual



Warning

**Install securely on a structure that can support the load to prevent falling, fire, or electric shock.**  
**The luminaire becomes hot during operation; install it in a location where it is not easily touched.**  
**Do not cover the luminaire (with grass, plants, insulation or soundproof materials) → risk of fire.**  
**Follow wiring instructions correctly; do not modify or alter components.**  
**Do not use in locations with strong vibration, water submersion, corrosive or flammable gases, heavy oil mist, outside the specified temperature/humidity range, or in contact with flammable materials.**



Notice

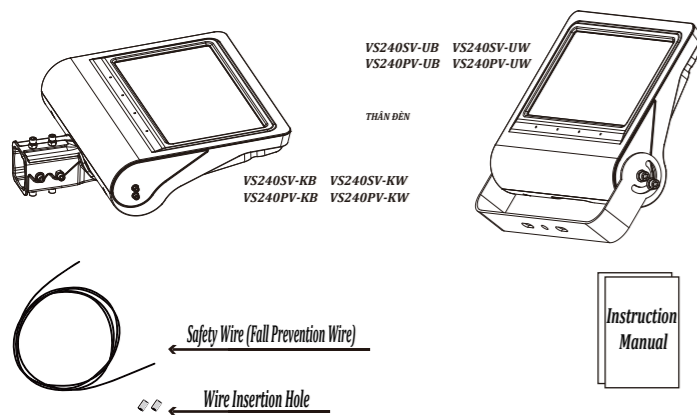
**Do not use continuously for long periods; this may significantly reduce lifespan.**  
**Damage caused by lightning is not covered under warranty; install surge protection devices for the electrical circuit.**  
**Do not connect to a dimmer (dimming device).**  
**Use a power cable that meets or exceeds equivalent standards.**  
**Maintain a safe lighting distance; too close may pose a fire risk.**  
**Check to prevent light pollution caused by light leakage.**  
**Use only in normal environments.**  
**For products installed at height: test operation before installation to check for incorrect items or defects.**  
**Exercise extreme caution during installation.**

To Customers

**Surge Protection: LED luminaires use many semiconductor components and are more susceptible to lightning than traditional lamps. Damage caused by lightning is not covered under warranty.**  
**Please ensure the installer provides surge protection devices for the electrical circuit.**  
**Cleaning: Accumulation of oil, dust, or wood particles can reduce heat dissipation and may cause failure. Wipe dry regularly or clean using a diluted neutral detergent.**  
**Operating Time: Do not operate continuously for long periods; this may cause damage or reduce lifespan.**  
**Product Lifetime: Lifetime depends greatly on ambient temperature. The rated value is based on operation at ≤25°C; high temperatures, steam, oil mist, proximity to furnaces, or direct summer sunlight will reduce lifespan.**

### ① Pre-installation Inspection

※As this product is installed at height, please conduct a thorough inspection before installation, not during the installation process.



#### Accessory Check / Package Contents

x1 x1 x1

Please check the luminaire, cable, and accessories for any damage.  
Check if the luminaire does not light up  
Supply power from the power cable and check whether the luminaire turns on.  
Others

Instruction Manual (this document): 1 copy

Safety wire (6 m length, with sleeves; shape may vary depending on the model, see illustration on the left)

Luminaire unit

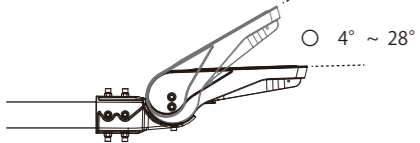
### ② Regarding the rotation direction of the device

#### Shining downward

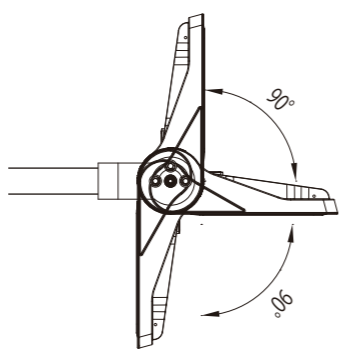
(1) 50 mm Square Pipe Mount Type  
Adjust the beam angle by rotating the luminaire body. It can be adjusted within a range of 4°-28°, with 0° as the horizontal position.

Adjust the angle to prevent water accumulation.

In areas with heavy snowfall, take care to adjust the angle to prevent snow buildup.



#### Shining upward

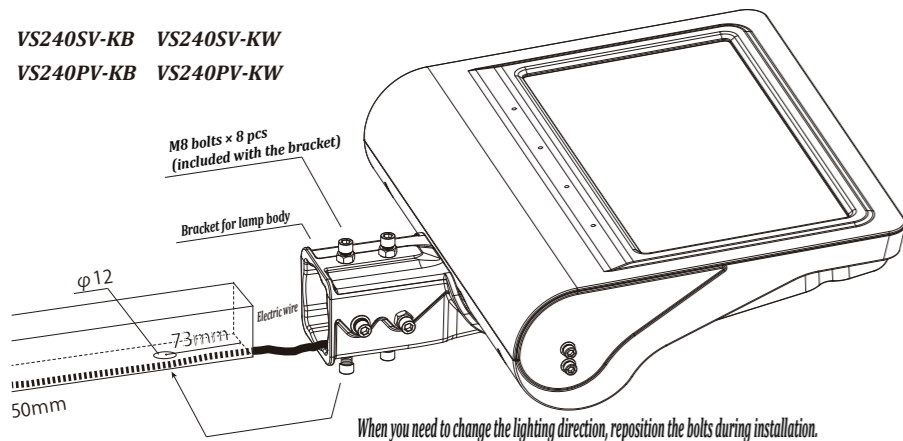


The angle can be adjusted. With the U-shaped bracket, the luminaire body can be rotated to adjust the lighting direction within a 180° range.

In areas with heavy snowfall, adjust the angle to prevent snow from accumulating on the luminaire.

### ③ Install the light (lighting fixture)

VS240SV-KB VS240SV-KW  
VS240PV-KB VS240PV-KW



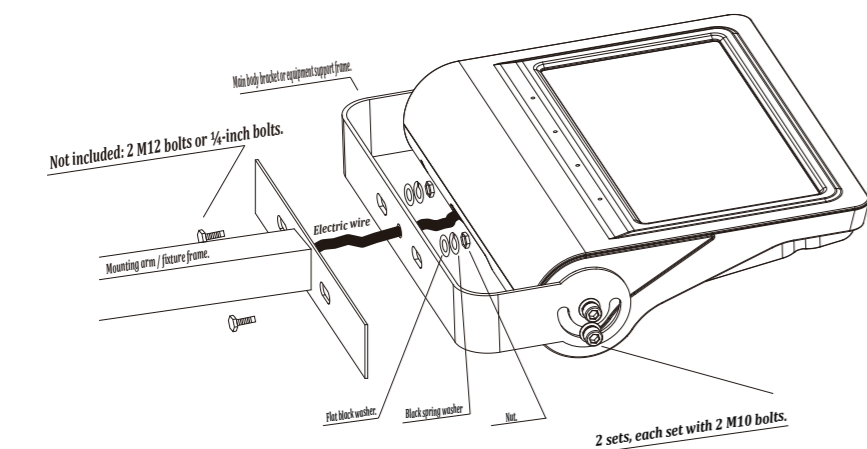
(1) First, drill a through hole on the bottom surface of the square pipe (drill on the underside to prevent water ingress).  
Hole position: the center is approx. 73 mm from the pipe end, with a diameter of approx.  $\phi 11$  mm. This hole functions as an anti-slip stop.

(2) Pass the power cable through the square pipe.

(3) Install the luminaire bracket:  
Insert the M8 bolt through the hole and fix the bracket with the bolt.  
Then tighten all bolts securely to complete the installation of the luminaire body.

When you need to change the lighting direction, reposition the bolts during installation.

VS240SV-UB VS240SV-UW  
VS240PV-UB VS240PV-UW



Please implement all necessary safety measures.

To ensure safety, apply proper anti-corrosion treatment and provide adequate drainage holes; use bushings to protect the cable.

When drilling, create a  $\phi 13$  mm wiring hole to protect the cable. When fabricating the mounting bracket, ensure the required dimensions (approx. 110 mm / 13 mm).

Secure firmly to prevent the luminaire from falling or vibrating. Use bolts and tighten in the order: flat washer → spring washer → nut, and fasten securely to the bracket or structure.

(1) Pass the power cable through the center hole of the luminaire bracket, then route it inside the mounting bracket.  
(2) Use the two bolt holes on the left and right sides of the luminaire bracket to fasten it securely to the mounting bracket.

### ④ Floodlight Installation Using Dual-Axis Mounting Bracket (Optional)



A total of 4 bolts, including 2 bolts on the luminaire body (bolts supplied with the dual-axis mounting bracket).

Base of the component

(1) Install the luminaire onto the dual-axis mounting bracket  
Remove the dual-axis mounting bracket (standard accessory), then attach the luminaire to the bracket.

Secure firmly using the four supplied hex bolts.

(2) Install the dual-axis mounting bracket onto the structure  
Fix the dual-axis mounting bracket (not included) onto a sturdy structure such as a floor, wall, ceiling, frame, or base.

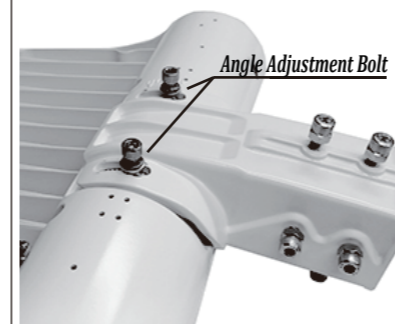
Use six M12 or larger bolts (not included) to ensure secure installation.

(3) Angle adjustment (2 axes)

Up/Down adjustment: Slightly loosen the bolts on the supplied bracket, rotate the luminaire to adjust the angle, then tighten the bolts.

Left/Right adjustment: Slightly loosen the bolts on the outer part of the mounting bracket, rotate the bracket to adjust the direction, then tighten the bolts.

### ⑤ Beam Angle Adjustment



(1) For use with a 50 mm square pipe:

Slightly loosen the angle adjustment bolt (as shown on the left) to adjust the angle of the luminaire body.

Do not loosen it excessively, as the luminaire body may fall → exercise extreme caution.

Each scale mark allows an adjustment of 4°



For U-shaped bracket (2):  
Unlike the square pipe type, there are no scale markings, allowing free angle adjustment.  
Slightly loosen the angle adjustment bolt (as shown on the left) to adjust the angle of the luminaire body.  
Do not loosen it excessively, as the luminaire may fall, which is very dangerous → exercise special caution.

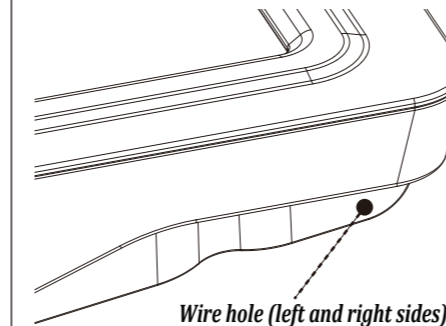
### ⑥ Power Wiring Connection



#### Power Connection

※ Please ensure proper and secure waterproofing.  
※ Class D grounding (earthing) must be performed.  
Reference

### ⑦ Safety Wire Installation



When properly crimped using the supplied wire and sleeves, the static load capacity is up to 120 kg.

For more secure fastening, use two sleeves and fix at two points as shown in the illustration.

Use dedicated ring sleeve crimping pliers and crimp at the specified position (small size). (Standard pliers cannot achieve sufficient strength.)

Pass the wire through a sturdy structure (beam, frame, etc.), then form a closed loop.

Use the two supplied sleeves, installing one on each side at the positions shown.

The fixture has wire holes on both sides; pass the wire through both holes to ensure safety.

### ⑧ Post-installation Inspection

After installation, switch on the power and check whether the luminaire is operating normally before completing the installation work.

### Dear User

Damage caused by lightning is not covered under warranty. Please ensure the installer provides surge protection devices for the lighting circuit.

LED luminaires use many semiconductor components and are more susceptible to lightning than traditional mercury lamps.

The product can withstand surge voltages up to 4,000V; however, appropriate protective measures are still required.

Periodic cleaning: Wipe dry or use a neutral detergent to remove oil, dust, wood particles, etc. Dirt buildup can reduce heat dissipation and may cause failure.

Do not operate continuously 24 hours a day, as this may cause damage or shorten the lifespan.

Operating conditions: Avoid environments with steam, above furnaces, or areas exposed to direct summer sunlight (e.g., near rooftops). These conditions may reduce lifespan.

The rated lifetime of 50,000 hours is based on an ambient temperature of  $\leq 30^{\circ}\text{C}$ . LED lifespan is highly dependent on operating temperature.