



# Product Description

## HP Sodium Vapour Lamp

Sodium mercury vapour lamp is a type of HP sodium vapour lamp, but with the same elliptical appearance of high pressure mercury lamp. Available in clear glass shell and coated white glass shell, HP sodium vapour lamp is widely used for outdoor lighting, such as street lighting and parking lots.

### Advantage

- High energy efficiency

The clear glass HP sodium vapour lamp can reach up to 90LM/W, more than 3 times to mercury lamp.

- Outstanding longevity

HP sodium vapour lamp usually can work for 16,000 hours that can reduce the replacement cost.

- Multiple wattage option

Available in 70W to 400W, 70W sodium vapour lamp and 100W sodium bulb are always used for urban street lighting.

- Sodium lamp replacement mercury lamp

With the high bright light, same appearance and lamp base, high pressure sodium lamp has a better lumen efficiency and longer life time, which make it can replace mercury lamp.



Clear or coated white glass shell



Sodium lamp

Mercury lamp

Same appearance with mercury lamp



Niobium tube

## HP Sodium Vapour Lamp

### Feature

- ✓ High lumen light
- ✓ Same appearance with mercury lamp
- ✓ Clear or coated white elliptical glass shell
- ✓ 16,000 hours life span

### Application

- Street lighting  
- HP sodium vapour lamp is widely used for outdoor street lighting due to the features of energy efficiency and high lumen.
- Industrial lighting  
- With high lumen efficiency and low replacement cost, HP sodium vapour lamp is suitable for warehouse entrance lighting.
- Sports lighting  
- Sodium vapor flood light: High pressure sodium lamp is fitted in the flood light fixtures and provides high lumen light for outdoor sports ground.

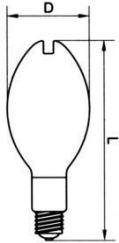


### Specification

| Model       | Shape | Appearance               | Wattage | Base | Dimension(D x L) | Luminous Flux | Color Temperature | Life span    | Voltage              |
|-------------|-------|--------------------------|---------|------|------------------|---------------|-------------------|--------------|----------------------|
| HID-SON-BML | ED    | Clear glass shell        | 35W     | E27  | 56*141mm         | 2000LM        | 2100K             | 16,000 hours | 220-240V<br>110-130V |
| HID-SON-BML |       |                          | 50W     |      | 56*141mm         | 3600LM        |                   |              |                      |
| HID-SON-BML |       |                          | 70W     |      | 56*141mm         | 6000LM        |                   |              |                      |
| HID-SON-BML |       |                          | 100W    |      | 56*141mm         | 8500LM        |                   |              |                      |
| HID-SON-BML |       |                          | 150     |      | 56*141mm         | 15000LM       |                   |              |                      |
| HID-SON-BML |       | Coated white glass shell | 70W     | E27  | 56*141mm         | 3900LM        |                   |              |                      |
| HID-SON-BML |       |                          | 110W    |      | 56*141mm         | 5600LM        |                   |              |                      |
| HID-SON-BML |       |                          | 150W    |      | 76*180mm         | 9000LM        |                   |              |                      |
| HID-SON-BML |       |                          | 250W    |      | 90*225mm         | 16900LM       |                   |              |                      |
| HID-SON-BML |       |                          | 400W    |      | 120*290mm        | 30500LM       |                   |              |                      |

## HP Sodium Vapour Lamp

### Dimensional Drawing



ED

### Wire Connection

The ballast is connected to the sodium lamp, allowing current to pass through the arc for lighting. The ignitor is connected in parallel with the sodium to generate high voltage for startup. The capacitor is connected with lamp in parallel to improve the power factor. MCB(Micro Circuit Breaker) is used for circuit protection. Refer to the figure below for the specific wiring method:

