

## SON High pressure sodium



SON PIA E27

### Product Description

- High Pressure Sodium lamp with opalized ovoid outer bulb, high output and long reliable lifetime

### Product Feature

- Ovoid, internally white coated outer bulb
- Ceramic discharge tube with Philips Integrated Antenna (PIA) for a long and reliable lifetime
- Robust construction with few welding points is highly vibration- and shock-resistant, further reducing early failures and extending lamp life
- ZrCo getter ensures high lumen maintenance and few early failures
- "Plus" concept with high efficacy translated into high light output
- Completely lead-free lamps

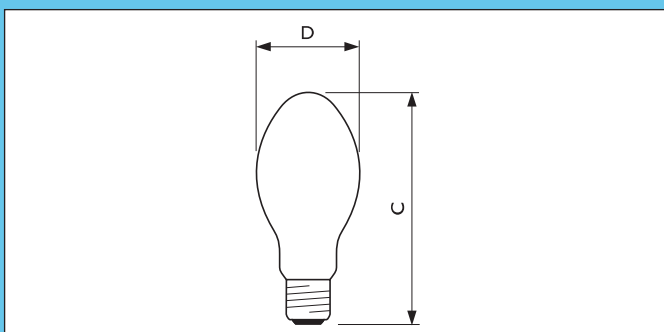
### Product Benefit

- Superior technology results in a long and reliable lifetime, high lumen maintenance and a reliable ignition over lifetime
- High energy efficacy and absence of lead (Pb) makes this a sound environmental offer
- High luminous efficacy makes this the most energy efficient HPS lamp

### Application

- Road and residential lighting
- Industrial lighting both indoor and outdoor
- Recreational sports facilities Outdoor and Indoor

Dimensions in mm



Product ID	Overall length	Diameter
	C max.	D max.
70W	156	71

### Preferred selection

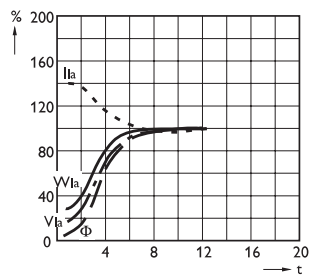
Product ID	Rated Lamp Wattage (W)	Lamp Current EL (A)	Lamp Voltage (V)	Cap Base	Color Temperature (K)	Color Rendering Index (R <sub>a</sub> )	Chromaticity Coordinate X	Chromaticity Coordinate Y
MASTER SON PIA 70W E E27 SLV	70	0.98	90	E27	2000	25	540	415

Product ID	Bulb Finish	Luminous Flux Lamp EM/CuFe (lm)	Luminous Efficacy Lamp EM (lm/W)	Ignition Supply Voltage (V)	Cap-Base Temperature (C)	Bulb Temperature (C)	Nett Weight Product In Grams (gr)
MASTER SON PIA 70W E E27 SLV	Coated	45005600	80	198	200	350	60

### Performance diagrams

#### SON PIA

##### Lamp performance during run up



$I_{la}$  = Lamp current  
 $\Phi$  = Luminous Flux  
 $V_{la}$  = Lamp Voltage  
 $W_{la}$  = Lamp Wattage

##### Effects of mains voltage variations

