

# PHILIPS

# Lighting



## HORTI

### MASTER Agro 400W E40 1SL/12

High Pressure Sodium lamp with clear outer bulb, optimized growthlight output and maintenance

#### Product data

| General Information        |                                   |
|----------------------------|-----------------------------------|
| Cap-Base                   | E40 [ E40]                        |
| Operating Position         | UNIVERSAL [ Any or Universal (U)] |
| Life to 5% Failures (Nom)  | 5000 h                            |
| Life to 20% Failures (Nom) | 9500 h                            |
| Life to 50% Failures (Nom) | 18000 h                           |
| System Description         | External Ignitor                  |

| Light Technical                    |                       |
|------------------------------------|-----------------------|
| Color Code                         | 220 [ CCT of 2000K]   |
| Luminous Flux (Rated) (Nom)        | 57000 lm              |
| Photosynthetic Photon Flux (PPF)   | 695 $\mu\text{mol/s}$ |
| PPF Maintenance 2000 h             | 96 %                  |
| PPF Maintenance 5000 h             | 90 %                  |
| PPF Maintenance 10000 h            | 84 %                  |
| Chromaticity Coordinate X (Nom)    | 520                   |
| Chromaticity Coordinate Y (Nom)    | 415                   |
| Correlated Color Temperature (Nom) | 2000 K                |
| Luminous Efficacy (rated) (Nom)    | 132.5 lm/W            |
| Color Rendering Index (Max)        | 25                    |
| Color Rendering Index (Nom)        | 20                    |

| Operating and Electrical |              |
|--------------------------|--------------|
| Lamp supply voltage      | 230 V [ 230] |
| Power (Rated) (Min)      | 430.0 W      |

|                               |         |
|-------------------------------|---------|
| Power (Rated) (Nom)           | 430.0 W |
| Lamp Current (EM) (Nom)       | 3.9 A   |
| Ignition Supply Voltage (Max) | 198 V   |
| Ignition Peak Voltage (Max)   | 2800 V  |
| Re-Ignition Time (Min) (Max)  | 2 min   |
| Ignition Time (Max)           | 10 s    |
| Voltage (Max)                 | 143 V   |
| Voltage (Min)                 | 113 V   |
| Voltage (Nom)                 | 128 V   |

| Controls and Dimming  |       |
|-----------------------|-------|
| Dimmable              | No    |
| Run-Up Time 90% (Max) | 5 min |

| Mechanical and Housing |       |
|------------------------|-------|
| Bulb Finish            | Clear |
| Cap-Base Information   | -     |

| Approval and Application      |         |
|-------------------------------|---------|
| Energy Efficiency Label (EEL) | A+      |
| Energy Consumption kWh/1000 h | 473 kWh |

| Luminaire Design Requirements |        |
|-------------------------------|--------|
| Bulb Temperature (Max)        | 450 °C |

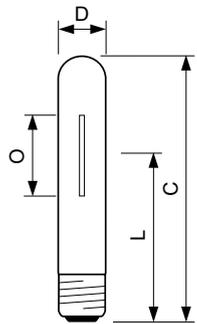
|                            |                             |
|----------------------------|-----------------------------|
| Cap-Base Temperature (Max) | 250 °C                      |
| <b>Product Data</b>        |                             |
| Full product code          | 871150070750515             |
| Order product name         | MASTER Agro 400W E40 1SL/12 |
| EAN/UPC - Product          | 8711500707505               |
| Order code                 | 928144609201                |

|                                 |                |
|---------------------------------|----------------|
| Numerator - Quantity Per Pack   | 1              |
| Numerator - Packs per outer box | 12             |
| Material Nr. (12NC)             | 928144609201   |
| Net Weight (Piece)              | 0.192 kg       |
| ILCOS Code                      | ST-400-H/E-E40 |

**Warnings and Safety**

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

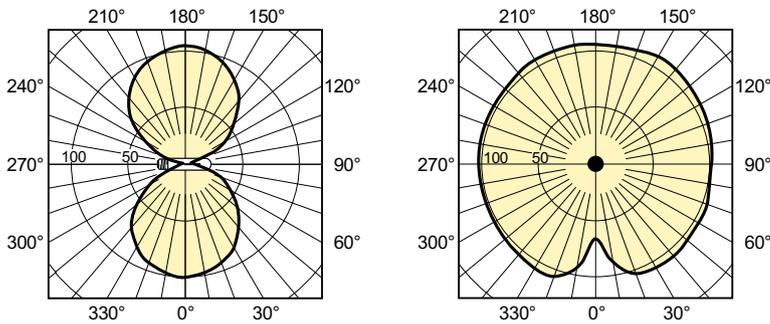
**Dimensional drawing**



SON Agro 400W E40

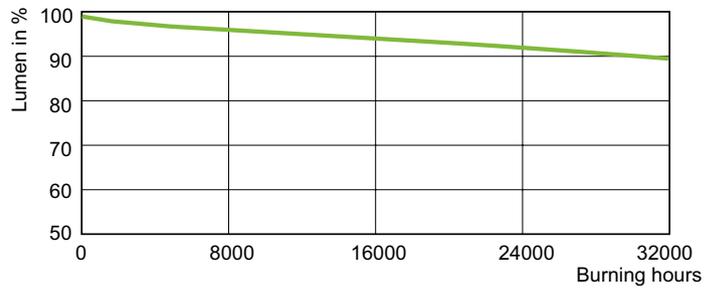
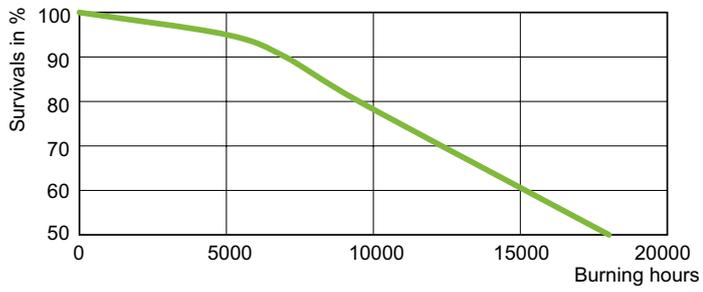
| Product                     | D (max) | O     | L      | C (max) | A      |
|-----------------------------|---------|-------|--------|---------|--------|
| MASTER Agro 400W E40 1SL/12 | 47 mm   | 83 mm | 175 mm | 278 mm  | 205 mm |

**Photometric data**



MASTER GreenPower & Agro 250W - 600W

Lifetime



SON Agro 400 W Life Expectancy

MASTER GreenPower 250 W, 400 W Lumen Maintenance

