



# MASTER SON-T APIA Plus Xtra

MASTER SON-T APIA Plus Xtra 250W E40 1SL

High Pressure Sodium lamp with clear tubular outer bulb shape, high output and longest reliable lifetime

## Product data

### • General Characteristics

|                                |                            |
|--------------------------------|----------------------------|
| System Description             | External Ignitor           |
| Cap-Base                       | E40                        |
| Bulb                           | T46 [T 46mm]               |
| Bulb Finish                    | Clear                      |
| Operating Position             | any [Any or Universal (U)] |
| Life to 5% failures            | 28000 hr                   |
| Life to 10% failures           | 32000 hr                   |
| Life to 20% failures           | 36500 hr                   |
| Life to 50% failures           | 45000 hr                   |
| LSF EM 2000h Rated, 12h cycle  | 100 %                      |
| LSF EM 4000h Rated, 12h cycle  | 99 %                       |
| LSF EM 6000h Rated, 12h cycle  | 99 %                       |
| LSF EM 8000h Rated, 12h cycle  | 99 %                       |
| LSF EM 12000h Rated, 12h cycle | 99 %                       |
| LSF EM 16000h Rated, 12h cycle | 99 %                       |
| LSF EM 20000h Rated, 12h cycle | 99 %                       |

### • Light Technical Characteristics

|                              |              |
|------------------------------|--------------|
| Color Code                   | -            |
| Color Rendering Index        | 25 (max) Ra8 |
| Color Temperature            | 1950 K       |
| Color Temperature Technical  | 2000 K       |
| Luminous Flux EM 25°C, Rated | 33300 Lm     |
| Lum Efficacy Rated EM 25°C   | 130 Lm/W     |

|                           |            |
|---------------------------|------------|
| Luminance Average EM      | 470 cd/cm2 |
| LLMF EM 2000h Rated       | 99 %       |
| LLMF EM 4000h Rated       | 98 %       |
| LLMF EM 6000h Rated       | 97 %       |
| LLMF EM 8000h Rated       | 96 %       |
| LLMF EM 12000h Rated      | 96 %       |
| LLMF EM 16000h Rated      | 95 %       |
| LLMF EM 20000h Rated      | 94 %       |
| Chromaticity Coordinate X | 530 -      |
| Chromaticity Coordinate Y | 420 -      |

### • Electrical Characteristics

|                                |             |
|--------------------------------|-------------|
| Lamp Wattage                   | 250 W       |
| Lamp Wattage EM 25°C, Nominal  | 250.0 W     |
| Lamp Wattage EM 25°C, Rated    | 250.0 W     |
| Lamp Voltage                   | 100 V       |
| Lamp Current EM                | 3 A         |
| Ignition Time                  | 10 (max) s  |
| Run-up time 90%                | 5 (max) min |
| Dimmable                       | Yes         |
| Re-ignition Time [sec]         | 120 (max) s |
| Ratio scotopic/photopic lumens | 0.60 -      |

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• Environmental Characteristics

|                               |         |
|-------------------------------|---------|
| Energy Efficiency Label (EEL) | A+      |
| Mercury (Hg) Content          | 15 mg   |
| Energy consumption kWh/1000h  | 275 kWh |

• Luminaire Design Requirements

|                      |             |
|----------------------|-------------|
| Cap-Base Temperature | 250 (max) C |
| Bulb Temperature     | 450 (max) C |

• Product Dimensions

|                       |              |
|-----------------------|--------------|
| Overall Length C      | 257 (max) mm |
| Diameter D            | 48 (max) mm  |
| Light Center Length L | 158 mm       |

Arc Length O 64 mm

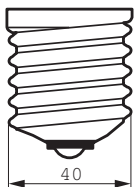
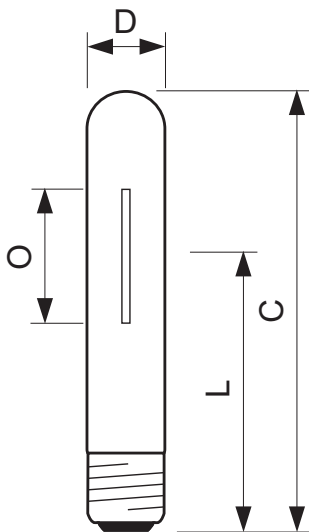
• Product Data

|                             |                                          |
|-----------------------------|------------------------------------------|
| Order code                  | 928150419230                             |
| Full product code           | 928150419230                             |
| Full product name           | MASTER SON-T APIA Plus Xtra 250W E40 1SL |
| Order product name          | MST SON-T APIA Plus Xtra 250W E40 1SL/12 |
| Pieces per pack             | 1                                        |
| Packing configuration       | 12                                       |
| Packs per outerbox          | 12                                       |
| Bar code on pack - EAN1     | 8727900927375                            |
| Bar code on outerbox - EAN3 | 8727900927382                            |
| Logistic code(s) - 12NC     | 928150419230                             |
| ILCOS code                  | ST-250-H/E-E40                           |
| Net weight per piece        | 0.158 kg                                 |

Warnings and Safety

- Control gear must include end-of-life protection (IEC60662, IEC 62035)

Dimensional drawing

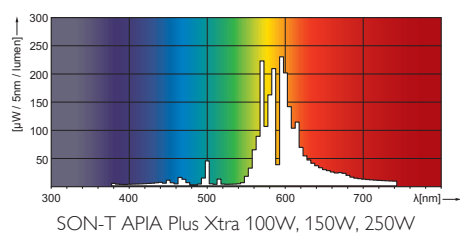


E40

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| Product                       | C (Max) | D (Max) | L (Norm) | O (Norm) |
|-------------------------------|---------|---------|----------|----------|
| SON-T APIA Plus Xtra 250W E40 | 257     | 48      | 158      | 64       |

## Photometric data



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data subject to change