



# Product Description

## SON-T

High Pressure Sodium lamp with clear tubular outer bulb

### Benefits

- SON-T is a cost-efficient and reliable solution in High Pressure Sodium

### Features

- Clear tubular outer bulb
- High luminous efficacy
- Robust construction is vibration- and shock-resistant leading to a reliable life
- Dimming possible with dedicated gear

### Application

- Road and residential lighting
- Decorative floodlighting
- Commercial and industrial applications
- Recreational sports facilities indoor and outdoor

### Warnings and Safety

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

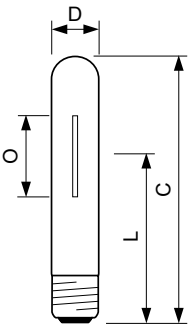
# SON-T

## Versions



SON-T, E40

## Dimensional drawing



| Product                  | D (max) | O      | L      | C (max) |
|--------------------------|---------|--------|--------|---------|
| SON-T 70W/220 E27 1CT/12 | 36 mm   | 42 mm  | 102 mm | 156 mm  |
| SON-T 70W E E27 1SL      | 36 mm   | 42 mm  | 102 mm | 156 mm  |
| SON-T 1000W E40 1SL/4    | 66 mm   | 153 mm | 240 mm | 390 mm  |
| SON-T 100W E E40 SL/12   | 47 mm   | 44 mm  | 132 mm | 209 mm  |
| SON-T 100W E E40 1SL     | 47 mm   | 44 mm  | 132 mm | 209 mm  |
| SON-T 150W E E40 1SL/12  | 47 mm   | 58 mm  | 132 mm | 209 mm  |
| SON-T 150W E E40 SL/12   | 47 mm   | 58 mm  | 132 mm | 209 mm  |
| SON-T 150W E E40 1SL     | 47 mm   | 58 mm  | 132 mm | 209 mm  |
| SON-T 250W E E40 1SL/12  | 47 mm   | 66 mm  | 158 mm | 255 mm  |
| SON-T 250W E E40 1SL     | 47 mm   | 66 mm  | 158 mm | 255 mm  |
| SON-T 250W E E40 SL/12   | 47 mm   | 66 mm  | 158 mm | 255 mm  |
| SON-T 400W E E40 1SL/12  | 47 mm   | 82 mm  | 175 mm | 286 mm  |
| SON-T 400W E E40 1SL     | 47 mm   | 82 mm  | 175 mm | 286 mm  |
| SON-T 400W E E40 SL/12   | 47 mm   | 82 mm  | 175 mm | 286 mm  |
| SON-T 1000W E E40 1SL/4  | 66 mm   | 145 mm | 240 mm | 390 mm  |
| SON-T 1000W E E40 1SL/4  | 66 mm   | 145 mm | 240 mm | 390 mm  |
| SON-T 70W E E27 1CT/12   | 36 mm   | 42 mm  | 132 mm | 209 mm  |
| SON-T 100W E E40 1SL/12  | 44 mm   | 47 mm  | 132 mm | 209 mm  |

| Controls and Dimming               |                  |
|------------------------------------|------------------|
| Dimmable                           | Yes              |
| General Information                |                  |
| Operating Position                 | UNIVERSAL        |
| System Description                 | External Ignitor |
| Light Technical                    |                  |
| Color Code                         | 220              |
| Correlated Color Temperature (Nom) | 2000 K           |
| Color Rendering Index (Max)        | 25               |
| Color Rendering Index (Nom)        | -                |
| Mechanical and Housing             |                  |
| Bulb Finish                        | Clear            |

Approval and Application

| Order Code   | Full Product Name        | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Nom) |
|--------------|--------------------------|-------------------------------|----------------------------|
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 77 kWh                        | 16.3 mg                    |
| 928152800093 | SON-T 70W E E27 1SL      | 77 kWh                        | 16.3 mg                    |
| 928154509228 | SON-T 1000W E40 1SL/4    | 1056 kWh                      | 23 mg                      |
| 928481500092 | SON-T 100W E E40 SL/12   | 110 kWh                       | 20.4 mg                    |
| 928481500097 | SON-T 100W E E40 1SL     | 110 kWh                       | 20.4 mg                    |
| 928487100094 | SON-T 150W E E40 1SL/12  | 162 kWh                       | 20.4 mg                    |
| 928487100096 | SON-T 150W E E40 SL/12   | 162 kWh                       | 20.4 mg                    |
| 928487100097 | SON-T 150W E E40 1SL     | 162 kWh                       | 20.4 mg                    |
| 928487200094 | SON-T 250W E E40 1SL/12  | 275 kWh                       | 20.4 mg                    |
| 928487200097 | SON-T 250W E E40 1SL     | 275 kWh                       | 20.4 mg                    |
| 928487200098 | SON-T 250W E E40 SL/12   | 275 kWh                       | 20.4 mg                    |
| 928487300094 | SON-T 400W E E40 1SL/12  | 431 kWh                       | 24.5 mg                    |
| 928487300097 | SON-T 400W E E40 1SL     | 431 kWh                       | 24.5 mg                    |
| 928487300098 | SON-T 400W E E40 SL/12   | 431 kWh                       | 24.5 mg                    |
| 928487400091 | SON-T 1000W E E40 1SL/4  | 1056 kWh                      | 22.65 mg                   |
| 928487400093 | SON-T 1000W E E40 1SL/4  | 1056 kWh                      | 22.65 mg                   |
| 928494709291 | SON-T 100W E E40 1SL/12  | 110 kWh                       | 20.2 mg                    |
| 928494609291 | SON-T 70W E E27 1CT/12   | 77 kWh                        | 16.3 mg                    |

Operating and Electrical (1/2)

| Order Code   | Full Product Name        | Lamp Current (EM) (Nom) | Voltage (Max) | Voltage (Min) | Voltage (Nom) |
|--------------|--------------------------|-------------------------|---------------|---------------|---------------|
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 0.98 A                  | 105 V         | 75 V          | 90 V          |
| 928152800093 | SON-T 70W E E27 1SL      | 0.98 A                  | 105 V         | 75 V          | 90 V          |
| 928154509228 | SON-T 1000W E40 1SL/4    | 10.6 A                  | 115 V         | 85 V          | 100 V         |
| 928481500092 | SON-T 100W E E40 SL/12   | 1.2 A                   | 115 V         | 85 V          | 100 V         |
| 928481500097 | SON-T 100W E E40 1SL     | 1.2 A                   | 115 V         | 85 V          | 100 V         |
| 928487100094 | SON-T 150W E E40 1SL/12  | 1.8 A                   | 115 V         | 85 V          | 100 V         |
| 928487100096 | SON-T 150W E E40 SL/12   | 1.8 A                   | 115 V         | 85 V          | 100 V         |
| 928487100097 | SON-T 150W E E40 1SL     | 1.8 A                   | 115 V         | 85 V          | 100 V         |
| 928487200094 | SON-T 250W E E40 1SL/12  | 3 A                     | 115 V         | 85 V          | 100 V         |

| Order Code   | Full Product Name       | Lamp Current (EM) (Nom) | Voltage (Max) | Voltage (Min) | Voltage (Nom) |
|--------------|-------------------------|-------------------------|---------------|---------------|---------------|
| 928487200097 | SON-T 250W E E40 1SL    | 3 A                     | 115 V         | 85 V          | 100 V         |
| 928487200098 | SON-T 250W E E40 SL/12  | 3 A                     | 115 V         | 85 V          | 100 V         |
| 928487300094 | SON-T 400W E E40 1SL/12 | 4.6 A                   | 115 V         | 85 V          | 100 V         |
| 928487300097 | SON-T 400W E E40 1SL    | 4.6 A                   | 115 V         | 85 V          | 100 V         |
| 928487300098 | SON-T 400W E E40 SL/12  | 4.6 A                   | 115 V         | 85 V          | 100 V         |
| 928487400091 | SON-T 1000W E E40 1SL/4 | 10.6 A                  | 115 V         | 85 V          | 100 V         |
| 928487400093 | SON-T 1000W E E40 1SL/4 | 10.6 A                  | 115 V         | 85 V          | 100 V         |
| 928494709291 | SON-T 100W E E40 1SL/12 | 1.2 A                   | 115 V         | 85 V          | 100 V         |
| 928494609291 | SON-T 70W E E27 1CT/12  | 0.98 A                  | 105 V         | 75 V          | 90 V          |

Operating and Electrical (2/2)

| Order Code   | Full Product Name        | Power (Rated) (Nom) | Re-Ignition Time (Min) (Max) |
|--------------|--------------------------|---------------------|------------------------------|
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 70.0 W              | 180 s                        |
| 928152800093 | SON-T 70W E E27 1SL      | 70.0 W              | 180 s                        |

| Order Code   | Full Product Name      | Power (Rated) (Nom) | Re-Ignition Time (Min) (Max) |
|--------------|------------------------|---------------------|------------------------------|
| 928154509228 | SON-T 1000W E40 1SL/4  | 960.0 W             | 240 s                        |
| 928481500092 | SON-T 100W E E40 SL/12 | 100.0 W             | 120 s                        |

# SON-T

| Order Code   | Full Product Name       | Power (Rated)<br>(Nom) | Re-Ignition Time<br>(Min) (Max) |
|--------------|-------------------------|------------------------|---------------------------------|
| 928481500097 | SON-T 100W E E40 1SL    | 100.0 W                | 120 s                           |
| 928487100094 | SON-T 150W E E40 1SL/12 | 147.0 W                | 180 s                           |
| 928487100096 | SON-T 150W E E40 SL/12  | 147.0 W                | 180 s                           |
| 928487100097 | SON-T 150W E E40 1SL    | 147.0 W                | 180 s                           |
| 928487200094 | SON-T 250W E E40 1SL/12 | 250.0 W                | 120 s                           |
| 928487200097 | SON-T 250W E E40 1SL    | 250.0 W                | 120 s                           |
| 928487200098 | SON-T 250W E E40 SL/12  | 250.0 W                | 120 s                           |

| Order Code   | Full Product Name       | Power (Rated)<br>(Nom) | Re-Ignition Time<br>(Min) (Max) |
|--------------|-------------------------|------------------------|---------------------------------|
| 928487300094 | SON-T 400W E E40 1SL/12 | 392.0 W                | 120 s                           |
| 928487300097 | SON-T 400W E E40 1SL    | 392.0 W                | 120 s                           |
| 928487300098 | SON-T 400W E E40 SL/12  | 392.0 W                | 120 s                           |
| 928487400091 | SON-T 1000W E E40 1SL/4 | 960.0 W                | 240 s                           |
| 928487400093 | SON-T 1000W E E40 1SL/4 | 960.0 W                | 240 s                           |
| 928494709291 | SON-T 100W E E40 1SL/12 | 100 W                  | 120 s                           |
| 928494609291 | SON-T 70W E E27 1CT/12  | 70.0 W                 | 180 s                           |

## General Information (1/2)

| Order Code   | Full Product Name           | Cap-<br>Base | Life To                  |                                  |                                  |
|--------------|-----------------------------|--------------|--------------------------|----------------------------------|----------------------------------|
|              |                             |              | 10%<br>Failures<br>(Nom) | Life To 20%<br>Failures<br>(Nom) | Life To 50%<br>Failures<br>(Nom) |
| 928152800035 | SON-T 70W/220 E27<br>1CT/12 | E27          | 15000 h                  | 19000 h                          | 28000 h                          |
| 928152800093 | SON-T 70W E E27<br>1SL      | E27          | 15000 h                  | 19000 h                          | 28000 h                          |
| 928154509228 | SON-T 1000W E40<br>1SL/4    | E40          | 10000 h                  | 14000 h                          | 20000 h                          |
| 928481500092 | SON-T 100W E E40<br>SL/12   | E40          | 12000 h                  | -                                | 28000 h                          |
| 928481500097 | SON-T 100W E E40<br>1SL     | E40          | 12000 h                  | -                                | 28000 h                          |
| 928487100094 | SON-T 150W E E40<br>1SL/12  | E40          | -                        | 20000 h                          | 28000 h                          |
| 928487100096 | SON-T 150W E E40<br>SL/12   | E40          | -                        | 20000 h                          | 28000 h                          |
| 928487100097 | SON-T 150W E E40<br>1SL     | E40          | -                        | 20000 h                          | 28000 h                          |
| 928487200094 | SON-T 250W E E40<br>1SL/12  | E40          | -                        | 20000 h                          | 28000 h                          |

| Order Code   | Full Product Name          | Cap-<br>Base | Life To                  |                                  |                                  |
|--------------|----------------------------|--------------|--------------------------|----------------------------------|----------------------------------|
|              |                            |              | 10%<br>Failures<br>(Nom) | Life To 20%<br>Failures<br>(Nom) | Life To 50%<br>Failures<br>(Nom) |
| 928487200097 | SON-T 250W E E40<br>1SL    | E40          | -                        | 20000 h                          | 28000 h                          |
| 928487200098 | SON-T 250W E E40<br>SL/12  | E40          | -                        | 20000 h                          | 28000 h                          |
| 928487300094 | SON-T 400W E E40<br>1SL/12 | E40          | -                        | 20000 h                          | 28000 h                          |
| 928487300097 | SON-T 400W E E40<br>1SL    | E40          | -                        | 20000 h                          | 28000 h                          |
| 928487300098 | SON-T 400W E E40<br>SL/12  | E40          | -                        | 20000 h                          | 28000 h                          |
| 928487400091 | SON-T 1000W E E40<br>1SL/4 | E40          | -                        | 14000 h                          | 20000 h                          |
| 928487400093 | SON-T 1000W E E40<br>1SL/4 | E40          | -                        | 14000 h                          | 20000 h                          |
| 928494709291 | SON-T 100W E E40<br>1SL/12 | E40          | 12000 h                  | 22000 h                          | 28000 h                          |
| 928494609291 | SON-T 70W E E27<br>1CT/12  | E27          | -                        | 22000 h                          | 28000 h                          |

## General Information (2/2)

| Order Code   | Full Product Name        | Life To 5% Failures<br>(Nom) | LSF 12000 h<br>Rated | LSF 16000 h<br>Rated | LSF 2000 h<br>Rated | LSF 20000 h<br>Rated | LSF 4000 h<br>Rated | LSF 6000 h<br>Rated | LSF 8000 h<br>Rated |
|--------------|--------------------------|------------------------------|----------------------|----------------------|---------------------|----------------------|---------------------|---------------------|---------------------|
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 12000 h                      | 95 %                 | 89 %                 | 99 %                | 79 %                 | 99 %                | 98 %                | 97 %                |
| 928152800093 | SON-T 70W E E27 1SL      | 12000 h                      | 95 %                 | 89 %                 | 99 %                | 79 %                 | 99 %                | 98 %                | 97 %                |
| 928154509228 | SON-T 1000W E40 1SL/4    | 8000 h                       | 85 %                 | 69 %                 | 99 %                | 50 %                 | 99 %                | 97 %                | 95 %                |
| 928481500092 | SON-T 100W E E40 SL/12   | -                            | -                    | -                    | -                   | -                    | -                   | -                   | -                   |
| 928481500097 | SON-T 100W E E40 1SL     | -                            | -                    | -                    | -                   | -                    | -                   | -                   | -                   |
| 928487100094 | SON-T 150W E E40 1SL/12  | 12000 h                      | -                    | -                    | -                   | -                    | -                   | -                   | -                   |
| 928487100096 | SON-T 150W E E40 SL/12   | 12000 h                      | -                    | -                    | -                   | -                    | -                   | -                   | -                   |
| 928487100097 | SON-T 150W E E40 1SL     | 12000 h                      | -                    | -                    | -                   | -                    | -                   | -                   | -                   |
| 928487200094 | SON-T 250W E E40 1SL/12  | 12000 h                      | -                    | -                    | -                   | -                    | -                   | -                   | -                   |
| 928487200097 | SON-T 250W E E40 1SL     | 12000 h                      | -                    | -                    | -                   | -                    | -                   | -                   | -                   |
| 928487200098 | SON-T 250W E E40 SL/12   | 12000 h                      | -                    | -                    | -                   | -                    | -                   | -                   | -                   |
| 928487300094 | SON-T 400W E E40 1SL/12  | 12000 h                      | -                    | -                    | -                   | -                    | -                   | -                   | -                   |
| 928487300097 | SON-T 400W E E40 1SL     | 12000 h                      | -                    | -                    | -                   | -                    | -                   | -                   | -                   |

| Order Code   | Full Product Name       | Life To 5% Failures (Nom) | LSF 12000 h Rated | LSF 16000 h Rated | LSF 2000 h Rated | LSF 20000 h Rated | LSF 4000 h Rated | LSF 6000 h Rated | LSF 8000 h Rated |
|--------------|-------------------------|---------------------------|-------------------|-------------------|------------------|-------------------|------------------|------------------|------------------|
| 928487300098 | SON-T 400W E E40 SL/12  | 12000 h                   | -                 | -                 | -                | -                 | -                | -                | -                |
| 928487400091 | SON-T 1000W E E40 1SL/4 | 8000 h                    | -                 | -                 | -                | -                 | -                | -                | -                |
| 928487400093 | SON-T 1000W E E40 1SL/4 | 8000 h                    | -                 | -                 | -                | -                 | -                | -                | -                |
| 928494709291 | SON-T 100W E E40 1SL/12 | -                         | -                 | -                 | -                | -                 | -                | -                | -                |
| 928494609291 | SON-T 70W E E27 1CT/12  | 12000 h                   | -                 | -                 | -                | -                 | -                | -                | -                |

**Luminaire Design Requirements**

| Order Code   | Full Product Name        | Bulb Temperature (Max) |
|--------------|--------------------------|------------------------|
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 350 °C                 |
| 928152800093 | SON-T 70W E E27 1SL      | 350 °C                 |
| 928154509228 | SON-T 1000W E40 1SL/4    | 450 °C                 |
| 928481500092 | SON-T 100W E E40 SL/12   | 450 °C                 |
| 928481500097 | SON-T 100W E E40 1SL     | 450 °C                 |
| 928487100094 | SON-T 150W E E40 1SL/12  | 450 °C                 |
| 928487100096 | SON-T 150W E E40 SL/12   | 450 °C                 |
| 928487100097 | SON-T 150W E E40 1SL     | 450 °C                 |
| 928487200094 | SON-T 250W E E40 1SL/12  | 450 °C                 |

| Order Code   | Full Product Name       | Bulb Temperature (Max) |
|--------------|-------------------------|------------------------|
| 928487200097 | SON-T 250W E E40 1SL    | 450 °C                 |
| 928487200098 | SON-T 250W E E40 SL/12  | 450 °C                 |
| 928487300094 | SON-T 400W E E40 1SL/12 | 450 °C                 |
| 928487300097 | SON-T 400W E E40 1SL    | 450 °C                 |
| 928487300098 | SON-T 400W E E40 SL/12  | 450 °C                 |
| 928487400091 | SON-T 1000W E E40 1SL/4 | 450 °C                 |
| 928487400093 | SON-T 1000W E E40 1SL/4 | 450 °C                 |
| 928494709291 | SON-T 100W E E40 1SL/12 | 450 °C                 |
| 928494609291 | SON-T 70W E E27 1CT/12  | 350 °C                 |

**Light Technical (1/3)**

| Order Code   | Full Product Name        | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | LLMF 12000 h Rated | LLMF 16000 h Rated |
|--------------|--------------------------|---------------------------------|---------------------------------|--------------------|--------------------|
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 0.540                           | 0.413                           | 81 %               | 81 %               |
| 928152800093 | SON-T 70W E E27 1SL      | 0.540                           | 0.413                           | 81 %               | 81 %               |
| 928154509228 | SON-T 1000W E40 1SL/4    | -                               | -                               | 84 %               | 82 %               |
| 928481500092 | SON-T 100W E E40 SL/12   | -                               | -                               | -                  | -                  |
| 928481500097 | SON-T 100W E E40 1SL     | -                               | -                               | -                  | -                  |
| 928487100094 | SON-T 150W E E40 1SL/12  | -                               | -                               | -                  | -                  |
| 928487100096 | SON-T 150W E E40 SL/12   | -                               | -                               | -                  | -                  |
| 928487100097 | SON-T 150W E E40 1SL     | -                               | -                               | -                  | -                  |
| 928487200094 | SON-T 250W E E40 1SL/12  | -                               | -                               | -                  | -                  |

| Order Code   | Full Product Name       | Chromaticity Coordinate X (Nom) | Chromaticity Coordinate Y (Nom) | LLMF 12000 h Rated | LLMF 16000 h Rated |
|--------------|-------------------------|---------------------------------|---------------------------------|--------------------|--------------------|
| 928487200097 | SON-T 250W E E40 1SL    | -                               | -                               | -                  | -                  |
| 928487200098 | SON-T 250W E E40 SL/12  | -                               | -                               | -                  | -                  |
| 928487300094 | SON-T 400W E E40 1SL/12 | -                               | -                               | -                  | -                  |
| 928487300097 | SON-T 400W E E40 1SL    | -                               | -                               | -                  | -                  |
| 928487300098 | SON-T 400W E E40 SL/12  | -                               | -                               | -                  | -                  |
| 928487400091 | SON-T 1000W E E40 1SL/4 | -                               | -                               | -                  | -                  |
| 928487400093 | SON-T 1000W E E40 1SL/4 | -                               | -                               | -                  | -                  |
| 928494709291 | SON-T 100W E E40 1SL/12 | -                               | -                               | -                  | -                  |
| 928494609291 | SON-T 70W E E27 1CT/12  | -                               | -                               | -                  | -                  |

**Light Technical (2/3)**

| Order Code   | Full Product Name        | LLMF 2000 h Rated | LLMF 20000 h Rated | LLMF 4000 h Rated | LLMF 6000 h Rated | LLMF 8000 h Rated | Lumen Maintenance 2000 h (Min) | Lumen Maintenance 2000 h (Nom) | Lumen Maintenance 5000 h (Min) | Lumen Maintenance 5000 h (Nom) |
|--------------|--------------------------|-------------------|--------------------|-------------------|-------------------|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 928152800035 | SON-T 70W/220 E27 1CT/12 | 89 %              | 80 %               | 86 %              | 85 %              | 84 %              | -                              | -                              | -                              | -                              |

| Order Code   | Full Product Name          | LLMF<br>2000 h<br>Rated | LLMF<br>20000 h<br>Rated | LLMF<br>4000 h<br>Rated | LLMF<br>6000 h<br>Rated | LLMF<br>8000 h<br>Rated | Lumen<br>Maintenance<br>2000 h (Min) | Lumen<br>Maintenance<br>2000 h (Nom) | Lumen<br>Maintenance<br>5000 h (Min) | Lumen<br>Maintenance<br>5000 h (Nom) |
|--------------|----------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| 928152800093 | SON-T 70W E E27 1SL        | 89 %                    | 80 %                     | 86 %                    | 85 %                    | 84 %                    | -                                    | -                                    | -                                    | -                                    |
| 928154509228 | SON-T 1000W E40 1SL/4      | 95 %                    | 80 %                     | 93 %                    | 89 %                    | 88 %                    | 90 %                                 | 95 %                                 | 80 %                                 | 90 %                                 |
| 928481500092 | SON-T 100W E E40 SL/12     | -                       | -                        | -                       | -                       | -                       | 85 %                                 | 95 %                                 | 80 %                                 | 90 %                                 |
| 928481500097 | SON-T 100W E E40 1SL       | -                       | -                        | -                       | -                       | -                       | 85 %                                 | 95 %                                 | 80 %                                 | 90 %                                 |
| 928487100094 | SON-T 150W E E40<br>1SL/12 | -                       | -                        | -                       | -                       | -                       | 90 %                                 | 95 %                                 | 85 %                                 | 90 %                                 |
| 928487100096 | SON-T 150W E E40 SL/12     | -                       | -                        | -                       | -                       | -                       | 90 %                                 | 95 %                                 | 85 %                                 | 90 %                                 |
| 928487100097 | SON-T 150W E E40 1SL       | -                       | -                        | -                       | -                       | -                       | 90 %                                 | 95 %                                 | 85 %                                 | 90 %                                 |
| 928487200094 | SON-T 250W E E40<br>1SL/12 | -                       | -                        | -                       | -                       | -                       | 95 %                                 | 98 %                                 | 92 %                                 | 96 %                                 |
| 928487200097 | SON-T 250W E E40 1SL       | -                       | -                        | -                       | -                       | -                       | 95 %                                 | 98 %                                 | 92 %                                 | 96 %                                 |
| 928487200098 | SON-T 250W E E40 SL/12     | -                       | -                        | -                       | -                       | -                       | 95 %                                 | 98 %                                 | 92 %                                 | 96 %                                 |
| 928487300094 | SON-T 400W E E40<br>1SL/12 | -                       | -                        | -                       | -                       | -                       | 94 %                                 | 97 %                                 | 88 %                                 | 94 %                                 |
| 928487300097 | SON-T 400W E E40 1SL       | -                       | -                        | -                       | -                       | -                       | 94 %                                 | 97 %                                 | 88 %                                 | 94 %                                 |
| 928487300098 | SON-T 400W E E40 SL/12     | -                       | -                        | -                       | -                       | -                       | 94 %                                 | 97 %                                 | 88 %                                 | 94 %                                 |
| 928487400091 | SON-T 1000W E E40<br>1SL/4 | -                       | -                        | -                       | -                       | -                       | 90 %                                 | 95 %                                 | 80 %                                 | 90 %                                 |
| 928487400093 | SON-T 1000W E E40<br>1SL/4 | -                       | -                        | -                       | -                       | -                       | 90 %                                 | 95 %                                 | 80 %                                 | 90 %                                 |
| 928494709291 | SON-T 100W E E40<br>1SL/12 | -                       | -                        | -                       | -                       | -                       | 85 %                                 | 95 %                                 | 80 %                                 | 90 %                                 |
| 928494609291 | SON-T 70W E E27 1CT/12     | -                       | -                        | -                       | -                       | -                       | 85 %                                 | 93 %                                 | 80 %                                 | 88 %                                 |

Light Technical (3/3)

| Order Code   | Full Product Name              | Luminous<br>Efficacy<br>(rated)<br>(Nom) | Luminous<br>Flux<br>(Rated)<br>(Min) | Luminous<br>Flux<br>(Rated)<br>(Nom) | Ratio<br>Scotopic/<br>Photopic<br>Lumens |
|--------------|--------------------------------|--|--------------------------------------|--------------------------------------|--|
| 928152800035 | SON-T<br>70W/220 E27<br>1CT/12 | 84 lm/W                                  | -                                    | 6000 lm                              | 0.50                                     |
| 928152800093 | SON-T 70W E<br>E27 1SL         | 84 lm/W                                  | -                                    | 6000 lm                              | 0.50                                     |
| 928154509228 | SON-T 1000W<br>E40 1SL/4       | 130 lm/W                                 | 117000 lm                            | 130000 lm                            | 0.65                                     |
| 928481500092 | SON-T 100W E<br>E40 SL/12      | 90 lm/W                                  | 8100 lm                              | 9000 lm                              | -  |
| 928481500097 | SON-T 100W E<br>E40 1SL        | 90 lm/W                                  | 8100 lm                              | 9000 lm                              | -  |
| 928487100094 | SON-T 150W E<br>E40 1SL/12     | 98 lm/W                                  | 13500 lm                             | 15000 lm                             | -  |
| 928487100096 | SON-T 150W E<br>E40 SL/12      | 98 lm/W                                  | 13500 lm                             | 15000 lm                             | -  |
| 928487100097 | SON-T 150W E<br>E40 1SL        | 98 lm/W                                  | 13500 lm                             | 15000 lm                             | -  |
| 928487200094 | SON-T 250W E<br>E40 1SL/12     | 110 lm/W                                 | 25200 lm                             | 28000 lm                             | -  |

| Order Code   | Full Product Name          | Luminous<br>Efficacy<br>(rated)<br>(Nom) | Luminous<br>Flux<br>(Rated)<br>(Min) | Luminous<br>Flux<br>(Rated)<br>(Nom) | Ratio<br>Scotopic/<br>Photopic<br>Lumens |
|--------------|----------------------------|--|--------------------------------------|--------------------------------------|--|
| 928487200097 | SON-T 250W E<br>E40 1SL    | 110 lm/W                                 | 25200 lm                             | 28000 lm                             | -  |
| 928487200098 | SON-T 250W E<br>E40 SL/12  | 110 lm/W                                 | 25200 lm                             | 28000 lm                             | -  |
| 928487300094 | SON-T 400W E<br>E40 1SL/12 | 123 lm/W                                 | 43200 lm                             | 48000 lm                             | -  |
| 928487300097 | SON-T 400W E<br>E40 1SL    | 123 lm/W                                 | 43200 lm                             | 48000 lm                             | -  |
| 928487300098 | SON-T 400W E<br>E40 SL/12  | 123 lm/W                                 | 43200 lm                             | 48000 lm                             | -  |
| 928487400091 | SON-T 1000W<br>E E40 1SL/4 | 130 lm/W                                 | 117000 lm                            | 130000 lm                            | -  |
| 928487400093 | SON-T 1000W<br>E E40 1SL/4 | 130 lm/W                                 | 117000 lm                            | 130000 lm                            | -  |
| 928494709291 | SON-T 100W E<br>E40 1SL/12 | 95 lm/W                                  | 8600 lm                              | 9500 lm                              | -  |
| 928494609291 | SON-T 70W E<br>E27 1CT/12  | 87 lm/W                                  | 5500 lm                              | 6100 lm                              | -  |

## Mechanical and Housing

| Order Code   | Full Product Name        | Bulb Shape |
|--------------|--------------------------|------------|
| 928152800035 | SON-T 70W/220 E27 ICT/12 | T35        |
| 928152800093 | SON-T 70W E E27 1SL      | T35        |
| 928154509228 | SON-T 1000W E40 1SL/4    | T65        |
| 928481500092 | SON-T 100W E E40 SL/12   | T46        |
| 928481500097 | SON-T 100W E E40 1SL     | T46        |
| 928487100094 | SON-T 150W E E40 1SL/12  | T46        |
| 928487100096 | SON-T 150W E E40 SL/12   | T46        |
| 928487100097 | SON-T 150W E E40 1SL     | T46        |
| 928487200094 | SON-T 250W E E40 1SL/12  | T46        |
| 928487200097 | SON-T 250W E E40 1SL     | T46        |
| 928487200098 | SON-T 250W E E40 SL/12   | T46        |
| 928487300094 | SON-T 400W E E40 1SL/12  | T46        |
| 928487300097 | SON-T 400W E E40 1SL     | T46        |

| Order Code   | Full Product Name       | Bulb Shape |
|--------------|-------------------------|------------|
| 928487300098 | SON-T 400W E E40 SL/12  | T46        |
| 928487400091 | SON-T 1000W E E40 1SL/4 | T65        |
| 928487400093 | SON-T 1000W E E40 1SL/4 | T65        |
| 928494709291 | SON-T 100W E E40 1SL/12 | T46        |
| 928494609291 | SON-T 70W E E27 ICT/12  | T35        |

