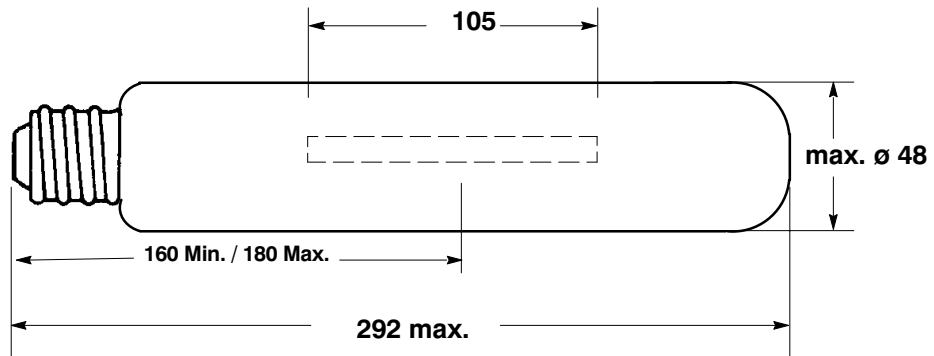


**DIMENSIONS (mm)**



Cap : E40/45 (IEC 61-1)  
Bulb : hard glass

| <b>ELECTRICAL DATA:</b> |       | <b>NOMINAL VALUE</b> | <b>MIN.</b> | <b>MAX.</b> |
|-------------------------|-------|----------------------|-------------|-------------|
| Lamp Wattage            | (W) : | 615                  |             |             |
| Lamp Voltage            | (V) : | 125                  | 110         | 140         |
| Lamp Current            | (A) : | 5.5                  |             |             |
| Lamp Warm-up current    | (A) : |                      | 6.1         | 9.0         |

**OPERATING CONDITIONS:**

|                        |           |                                 |     |     |
|------------------------|-----------|---------------------------------|-----|-----|
| Burning Position       | :         | any                             |     |     |
| Ballast Type           | :         | SHP-600W/220V, 230V, 240V, 250V |     |     |
| Voltage/Current ratio  | :         | 27.7                            |     |     |
| Calibration Current    | (A) :     | 5.8                             |     |     |
| Supply Voltage         | (%) :     |                                 | 92  | 106 |
| Ignitor Pulse          | * (kVp) : |                                 | 4.0 | 5.0 |
| Compensation Capacitor | (µF) :    | 60                              |     |     |
| Cap Rim Temperature    | (° C) :   |                                 |     | 250 |
| Bulb Temperature       | (°C) :    |                                 |     | 400 |

\* Super imposed pulse type ignitor

**LAMP LIFE :**

|                    |          |                              |
|--------------------|----------|------------------------------|
| Rated average life | ** (h) : | 26 000 ( 50% survival rate ) |
| T 90               | (h) :    | 16 000 ( 90% survival rate ) |

\*\* Based on operation on electro-magnetic control gear compatible with IEC 60923

**PHOTOMETRIC DATA :**

|                               |              |         |
|-------------------------------|--------------|---------|
| Initial Luminous Flux         | (lm) :       | 90 000  |
| Luminous Efficacy             | (lm/W) :     | 146     |
| Correlated Colour Temperature | (K) :        | 2050    |
| Colour Rendering Index        | (class) :    | 4       |
| PAR                           | (µmol/s) :   | 1100    |
| Photosynthetic flux           | (phyto-lm) : | 200 000 |

**ATTENTION:-** Lamps comply with the requirements of IEC publication 60662. Ballasts and ignitors must comply with IEC 60923 and 60927 respectively. Luminaires must be in accordance with IEC 60598-1 and 60598-2-3. Inspection is in accordance with IEC 60410.  
- Lamps operated on electronic high-frequency control gear are only guaranteed with control gear that has been approved or declared as suitable by Sylvania. Control gear is recommended to have a nominal operating frequency between 120kHz and 140kHz. The lamp power should be regulated between 570W and 630W.

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**DATA SHEET**

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