



**TEST REPORT**

**B400W-240M**

|   |                           |
|---|---------------------------|
| Item: B400W-240M                              | <b>PO no.:</b> S201007212 |
| Mains 120-240V, 50/60Hz, 400W Digital Ballast | Date: <b>July 27/10</b>   |

|                             |   |
|-----------------------------|---|
| <b>Testing Environment:</b> | Lamps: SYLVANIA HPS400W LU400ECO 67533 &<br>SYLVANIA MH400W M400U 64490 |
|                             | Rel. Humidity: 45% Temperature: 28°C                                    |

| Conditions:                 |     |         |     | Sample #1 | Sample #2 | Sample #3 |
|-----------------------------|-----|---------|-----|-----------|-----------|-----------|
|                             | Min | Typ     | Max |           |           |           |
| Operational Performance (V) | 108 | 120-240 | 265 |           |           |           |
| Operational Safety          | 102 | 120-240 | 275 |           |           |           |
| Mains Frequency (Hz)        | 45  | 60      | 66  |           |           |           |

**Operation (Input)**

|                       |      |      |      |       |  |  |
|-----------------------|------|------|------|-------|--|--|
| Input Power (W)@120V  | 400  | 424  | 440  | 421.7 |  |  |
| Input Power (W)@240V  | --   | --   | --   | 417   |  |  |
| Power Factor          | 0.97 | 0.98 | 0.99 | 0.982 |  |  |
| Current @ 120V        | 3.33 | 3.53 | 3.67 | 3.4   |  |  |
| Current @ 240V        | 1.67 | 1.77 | 1.83 | 1.74  |  |  |
| TDH (%)               | --   | --   | 15   | 7.2   |  |  |
| Inrush Current @ 120V | --   | --   | 30   | <30   |  |  |
| Inrush Current @ 240V | --   | --   | 30   | <30   |  |  |

**Operation (Output)**

|                             |     |     |     |       |  |  |
|-----------------------------|-----|-----|-----|-------|--|--|
| Operational Frequency (kHz) | 40  | 50  | 60  | 49.69 |  |  |
| Open-Circuit Power (W)      | --  | 0.5 | 5   | 2.1   |  |  |
| Supply Voltage (V)          | 80  | 100 | 120 | 98.3  |  |  |
| Pulse Voltage (KV)          | 3   | 3.5 | 5   | 4.3   |  |  |
| Start Warm Lamp (min)       | --  | 10  | 20  | 20    |  |  |
| Output Power (W)@120V       | 375 | 400 | 415 | 396.1 |  |  |
| Output Power (W)@240V       | 385 | 400 | 425 | 401.5 |  |  |

**Safety**

|                        |  |            |  |            |  |  |
|------------------------|--|------------|--|------------|--|--|
| Aging Hours            |  | 12         |  | 12         |  |  |
| Ta (°C/°F)             |  | 40/104     |  | 40/104     |  |  |
| Tc (°C/°F)             |  | 70/158     |  | 70/158     |  |  |
| Grounding              |  | 0.5Ω/25A   |  | 0.5Ω/25A   |  |  |
| Dielectric Voltage (V) |  | 1800VAC,1S |  | 1800VAC,1S |  |  |

**Physical Data**

|                       |  |              |  |              |  |  |
|-----------------------|--|--------------|--|--------------|--|--|
| Dimension - Body (mm) |  | 266x138x90.5 |  | 266x138x90.5 |  |  |
| Material              |  | aluminium    |  | aluminium    |  |  |
| Color                 |  | white        |  | white        |  |  |
| Weight (kg/lbs)       |  | 3.3/7.3      |  | 3.3/7.3      |  |  |