



# LM.600W.U76.CDX

SUNMASTER® Cool Deluxe  
Metal Halide Lamp  
E40 Tubular  
HPS Retrofit

## PRODUCT SPECIFICATION BULLETIN

|                                     |                              |
|-------------------------------------|------------------------------|
| <b>Lamp Type</b>                    | <b>Sunmaster Grow Lamps</b>  |
| <b>Product Number</b>               | <b>33912</b>                 |
| <b>Control Gear</b>                 | <b>HPS Ballast + Ignitor</b> |
| <b>Performance Data</b>             |                              |
| Initial Lumens (Lumens @ 100 hours) | 50000                        |
| PAR Watts                           | 195                          |
| Rated Life (Hrs. @10Hr. /Start)     | 10000                        |
| Correlated Colour Temperature K     | 7200                         |
| Chromaticity (CIE - X,Y)            | 338 351                      |
| Colour Rendering Index (CRI)        | 65                           |
| Typical Warm Up Time (Minutes)      | 3-5                          |
| Typical Hot Restart Time (Minutes)  | 5-10                         |
| Burning Position                    | Universal                    |

### Physical Data / Requirements

|                            |          |
|----------------------------|----------|
| Base Designation           | E40      |
| Bulb Designation           | T76      |
| Bulb Diameter (mm)         | 76       |
| Max. Overall Length (mm)   | 283      |
| Light Centre Length (mm)   | 175      |
| Effective Arc Length (mm)  | 64       |
| Max. Base Temperature (°C) | 250      |
| Max. Bulb Temperature (°C) | 525      |
| Luminaire Type             | Enclosed |
| Socket Pulse Rating (KV)   | 4-5      |

### Electrical Data / Requirements

|                                       |               |
|---------------------------------------|---------------|
| Lamp Wattage (W)                      | 600           |
| Operating Voltage (V)                 | 110           |
| Operating Current (Amps)              | 6.2           |
| Min. Open Circuit Voltage (RMS)       | 198           |
| Min.-Max. Starting Pulse (Peak V)     | 4-5           |
| Min. Pulse Width @ 2700 Volts (µ sec) | 2             |
| Min. Pulse Rate Per ½ Cycle           | 1             |
| Pulse Position (Min. % OCV Peak)      | 60-90 240-270 |

### Revision:

### Notes

The specification contains data about typical performance on 50Hz sine wave ballast at nominal power.  
Actual values may depend on ballast and applications.

Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives.