



PRODUCT SPECIFICATION BULLETIN

SL.1000W.U65.DSP

SUNMASTER®  
High Pressure Sodium Lamp  
E40 Tubular

Lamp Type	Sunmaster Grow Lamps
Product Number	10038
Control Gear	HPS Ballast + Ignitor

Performance Data

Initial Lumens (Lumens @ 100 hours)	130000
PAR Watts	311
Rated Life (Hrs. @10Hr. /Start)	24000
Correlated Colour Temperature K	2000
Chromaticity (CIE - X,Y)	530 425
Colour Rendering Index (CRI)	25
Typical Warm Up Time (Minutes)	4
Typical Hot Restart Time (Minutes)	1
Burning Position	Universal

Physical Data / Requirements

Base Designation	E40
Bulb Designation	-
Bulb Diameter (mm)	65
Max. Overall Length (mm)	372
Light Centre Length (mm)	240
Effective Arc Length (mm)	150
Max. Base Temperature (°C)	250
Max. Bulb Temperature (°C)	400
Luminaire Type	Open/Enclosed
Socket Pulse Rating (KV)	5

Electrical Data / Requirements

Lamp Wattage (W)	1000
Operating Voltage (V)	110
Operating Current (Amps)	10.3
Min. Open Circuit Voltage (RMS)	198
Min.-Max. Starting Pulse (Peak V)	3800-4500
Min. Pulse Width @ 2700 Volts (µ sec)	1
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.