Product Specification

100 Watt **E27 Coated**

UNI-FORM® PULSE START SYSTEM

Lamp Current (A):	1.1A
Ignitor Voltage (Min.):	3KV
Luminaire Rating:	Enclosed
Burning Position:	Universal

HIE 100W/C/U/PS+S/737 — Product Number: 46922

Lamp Type: Pulse Start Sustainability

Performance Data

Light Output (Lumens @ 100 hours)	8600
Lamp Lumens Per Watt	86
Rated Life (Hrs. @ 10 Hr. /Start)	40000
Correlated Colour Temperature (K)	3700
Chromaticity (CIE - X Y)	395, 390
Colour Rendering Index (CRI) or (Ra)	70
Typical Warm Up Time (Minutes)	1-2
Typical Hot Restart Time (Minutes)	2-4
Burning Position	Universal

Physical Data / Requirements

Base Designation	E27
Bulb Designation	E54
Bulb Diameter (mm)	54
Max. Overall Length (mm)	141
Light Centre Length (mm)	89
Effective Arc Length (mm)	N/A
Max. Base Temperature (ºC)	210
Max. Bulb Temperature (ºC)	400
Luminaire Type	Enclosed
Socket Pulse Rating (KV)	4.5
Mercury Content (mg)	18.0

Lumen Maintenance

Lamp Electrical Data / Requirements

IEC Standard	-
Lamp Wattage (W)	100
Lamp Operating Voltage (V)	100
Lamp Operating Current (Amps)	1.1
Min. Open Circuit Voltage (RMS)	198
Min. Starting Pulse (Peak V)	3000-4500
Min. Pulse Width at 2700V (microseconds)	1
Min. Pulse Rate Per ½ cycle	1
Pulse Position (Electrical Degrees)	60-90, 240-270

Lamp Mortality

Revision: 2013-01-10

Notes:

1) This Product Specification contains data about typical performance at nominal power. Actual values may depend on ballast and applications. Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives.
2) Lamp data is based on vertical operation. For horizontal operation lumen output will be reduced by 10% and lamp life reduced by 25%.

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