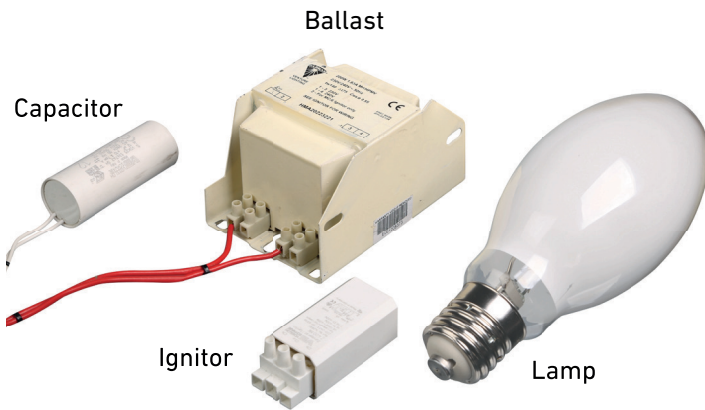


# Twin Arc Lamp

## HIE 200W/C/V/PS+S/737



Product Code: **FLVEN200**



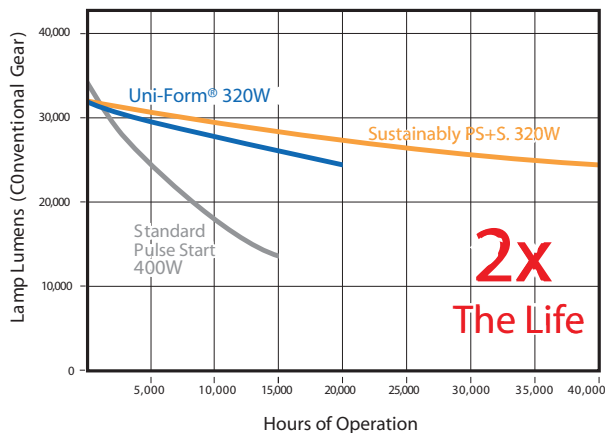
Components of the kit.

### The lamp

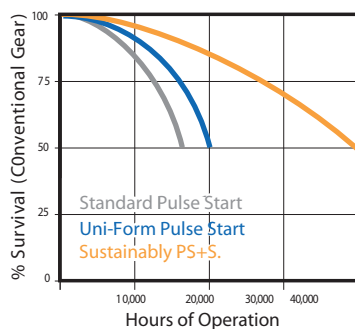
Provides performance, strength and longevity.

### Performance graphs

Lumen Maintenance



Lamp Mortality Curve



- Uni-form Pulse Start » Sustainability
- Excellent Maintained Lumens of 80%
- Ultimate Retrofit Solution
- Significant Maintenance Cost Savings

#### Performance Data

Rated Light Output (Lumens @ 100 hours):	20 000
Lamp Lumens per Watt:	100
Rated Life (Hrs @ 10Hr./Start):	40 000
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:	Vertical±15°
S/P (Multiplier):	1.7
Energy Rating (ErP):	A+ 220 kWh/1000h

#### Physical Data

Base Designation:	E40
Bulb Designation:	E90
Bulb Diameter (mm):	90
Max. Overall Length (mm):	215
Light Centre Length (mm):	131
Max. Base Temperature (°C):	250
Max. Bulb Temperature (°C):	400
Luminaire Type:	Enclosed
Socket Pulse Rating (KV):	4.5
Mercury Content (mg):	38.0

#### Lamp Electrical Data

Nominal Lamp Wattage (W):	200
Lamp Operating Voltage (V):	132
Lamp Operating Current (A):	1.6
Min. Open Circuit Voltage (RMS):	198
Min. Starting Pulse (Peak V):	300-4500
Min. Pulse Width (Microseconds):	1 @2700V
Min. Pulse Rate Per ½ cycle:	1
Pulse Position (Electrical Degrees):	60-90, 240-270

### THE KIT CONTAINS



- 1 x Twin Arc Lamp
- 1 x 50Hz HID Ballast 200W
- 1 x 70W - 400W Super Imposed Ignitor
- 1 x 12Uf Capacitor

See the Venture Kit Wiring Diagram overleaf...

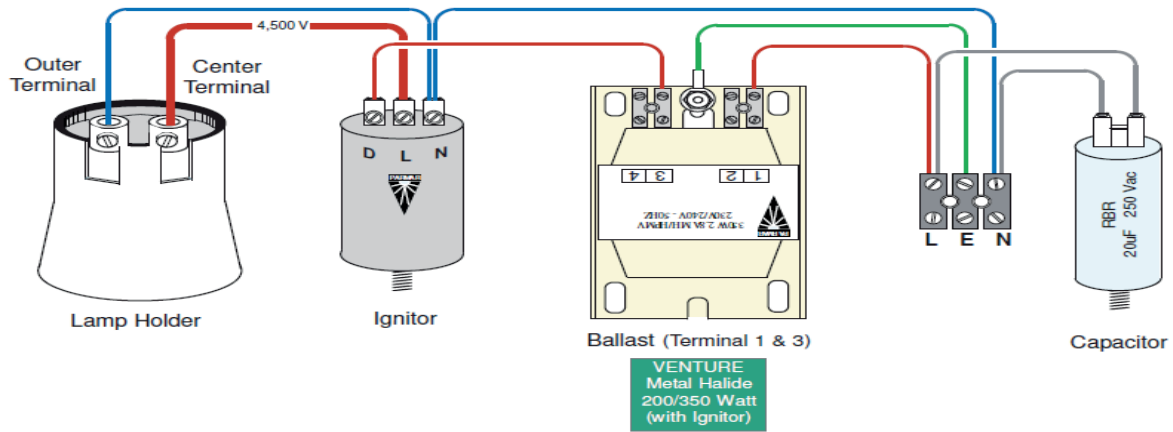
[www.ellies.co.za](http://www.ellies.co.za)



# The Venture kit wiring diagram



## Wiring diagram demonstrated.



## The eight steps of installing/upgrading the system.

- Step 1:** Disconnect the High Bay from any power source, remove from the installation position.
- Step 2:** While the fitting is on the ground and not connected to any power source, install the new components in the containment box.
- Step 3:** NB! Remove all old components and replace with the new components supplied, according to the wiring diagram.
- Step 4:** All new components must be fastened securely to the case with applicable bolts.
- Step 5:** Clean the high bay.
- Step 6:** Re-install the high bay and connect to the power.
- Step 7:** Insert the new metal halide lamp.
- Step 8:** Test the unit.
- Step 9:** A certified electrician is to complete a **Certificate of Compliance**.



Ignitor



Capacitor

Ballast

Ignitor