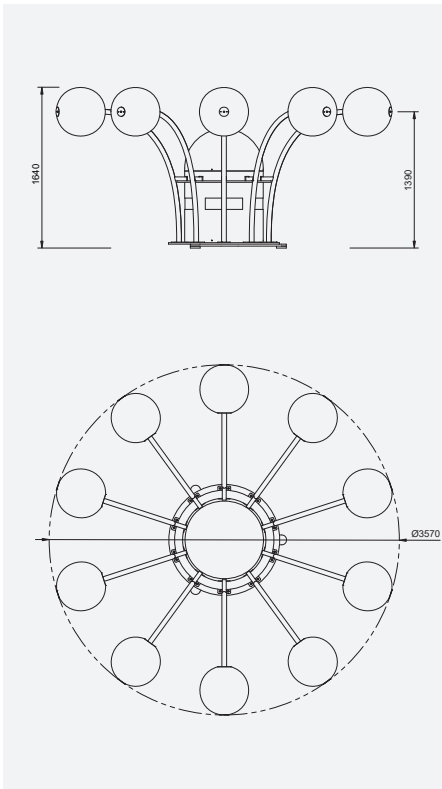


# In Bloom

## Technical Description

*In Bloom* is a light and sound sculpture composed of ten bent tubular steel stems, secured to two structural steel rings. At the centre, a cylindrical body houses the ballast, electrical enclosure, and speaker. Opal polyethylene spheres are mounted on the stems, each containing a pixel LED strip and a proximity sensor. Both the lower ring and the body are bolted to a three-point steel pedestal base, allowing for stable installation and precise levelling.



## Technical Data

### Physical

Materials: Steel (ballast, base, body, stem), PE (sphere)

Diameter: 3.57 m (11.7 ft)

Height: 1.64 m (5.4 ft)

Weight: ~500 kg (1,102 lbs)

Anchoring Method: Internal ballast

### Power

Power Requirements: 230V AC, 16A via one 2P+E socket

Power Cable Supplied: 10 m 3-core 2.5mm<sup>2</sup> HO7RN-F cable with ramp

Total Power Consumption: ~800 W

### Effects & Control

Light Source: 12V WS2815 Pixel Strip

Power Supply: 12V 600W Mean Well PSU (inside steel enclosure)

Control Protocol: DMX

Ingress Protection: IP65

Animation Type: Interactive

Interactivity: 10 x Digital IR proximity sensors triggered by hand gestures

Audio: internal 12" full-range speaker + Class D stereo amp (2 x 160W)

On/Off Scheduling: Remote timer or internal digital scheduling

### Location & Installation

Footprint (Min / Rec): 3.36 x 3.36 m (11 x 11 ft) / 6 x 6 m (20 x 20 ft)

Operating Temperature Range: -10°C to +35°C (14°F to 95°F)

Surface Requirements: Flat, hard ground (no fixings required)

Access Requirements: Luton van with tail lift

Security: CCTV coverage and regular patrols preferred

Setup / De-rig Time: ~4 hours / ~2 hours (2 crew)

On-site Info: Not provided – recommend info board for visitors

### Safety & Liability

Wind Load: Up to 63 mph (101 km/h)

Crowd Load: 0.2 kN horizontal (pushing), 1.0 kN vertical (hanging)

Public Liability Insurance: £10M (Kumquat Lab Ltd) – available on request

PAT Test: Provided upon request

Structural Report: Provided upon request

Risk Assessment: Provided upon request

Vandalism Liability: TBD in contract agreement

For enquiries, technical details, or hire requests, please contact: [info@kumquatlab.com](mailto:info@kumquatlab.com).

