Public Art Installation for the San Francisco Airport, Terminal 2, Boarding Area E December 20th, 2013



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### Electronic components



Each sphere will be indirectly lit by a LED strip hidden within the rim of the opening. A small computer chip (Arguendo) generates a lighting pattern for all 27 spheres.

The LED strips and the Arguendo & its components last many years without requiring maintenance.

#### Electronic components



Each sphere is connected to the power grid via a transformer. All LED strips need low voltage to run. The Arguendo (Arguendo UNO microcontroller) will utilize a shift register (4 x 74HC595 shift register chips) to control the 27 drivers using Pulse Width Modulation. A real-time clock (D51307 real-time clock) will be used to control the start up and shut down.

## Electrical public art plans





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#### Video mock-up of installation



We run several tests regarding the sequencing of the light installation. We will show three different approaches-

- a) a slow random movement through the whole field of 27 spheres
- b) movement from the edge of the field the center of the field
- c) movement through the field from the East side to the West side.