

Reflective FLOW

DOHA MIGHT NOT COMPETE WITH DUBAI FOR THE WORLD'S GRANDEST FOUNTAINS, TALLEST TOWERS, OR SEVEN STAR HOTELS, BUT LOW AND BEHOLD—THEY DID COME OUT WITH SOMETHING FIT FOR THE GUINNESS BOOK OF WORLD RECORDS: THE WORLD'S LARGEST CHANDELIER.

By Caterina Lo Mascolo, Photograph by Vasco Celio

Commissioned by Hitmi Property Development in an innovative new office building in Qatar, 'Reflective Flow' was designed by Beau McClellan and is the world's largest interactive LED light sculpture.

During the day, Reflective Flow is an organic art sculpture constantly changing with its surroundings, but it is at night that it really comes alive. When light is introduced behind the glass frames, the unique coating becomes either fully or semi-transparent, allowing the sculpture to transform into a brilliant, ever-changing light piece.

Ambiances Lighting and Visual Design provided the video content as well as developed an interactive system based on video camera detection. This system allows the team to remotely monitor the installation and interact with it from anywhere in the world. Light Designer Martin Gagnon states, "Creating such fluid and organic video content was an interesting and challenging experience in such a low resolution screen configuration."

Since the chandelier is a low resolution video display, each LED light on each crystal can be controlled individually, allowing the maximum amount of colour and display variation so that the light sculpture can constantly and organically transform and evolve in colour, shape, and light.

The energy and maintenance costs will be a fraction of the normal energy consumption for a chandelier/light installation of this dimension. •

REFLECTIVE FLOW IN NUMBERS

- 38.5 metre long lighting installation
- 2500 individually hand ground optical crystals covered in a unique reflective coating
- Above and below each crystal are six LED lights for a total of 18000 LEDs
- 55 000 LEDs are controlled by a bespoke, state of the art control system

