

# TORONTO STAR

ENTERTAINMENT > WHAT'S ON > VISUAL ARTS

## DECONSTRUCTED: PULSE FRONT

# Light up the night to the beat of your heart

### Vital signs

The Luminato Pulse Front light show at Harbourfront Centre is an interactive exhibit which allows users to control the most powerful searchlights in the world

- 1 The user grips sensors, which pick up the electrical signals generated by their heartbeat
- 2 The signals are sent via USB cable to a mini computer in the base of the pulse station
- 3 The computer transmits the signals through an Ethernet cable to the control room
- 4 The information is converted into digital signals which travel to the searchlight via cable
- 5 The light immediately to the left of the user flashes with an intensity that reflects their pulse

A 10,000-watt searchlight sits atop each three-metre-high scaffold tower

Three biodiesel generators will power the light show installation. Telus, the main sponsor, is buying carbon credits to offset the environmental impact of the show.

REES ST. QUEEN'S QUAY WEST

Five spotlight towers line each side of York Quay

Radisson Admiral Hotel

Ann Tindal Park

York Quay Centre

Service Canada

Queen's Quay Terminal

Pier 4 Storehouse Restaurant

Concert Stage

Pond

The Power Plant Gallery

Premiere Dance Theatre

Central control room in the Radisson Hotel

10 spotlight towers and pulse stations

HARBOURFRONT

● Light towers  
■ Pulse stations

SOURCE: The Power Plant; Rafael Lozano-Hemmer; Syncrolite

RESEARCH BY PATTY WINSA

TREVOR JOHNSTON/TORONTO STAR

