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LIGHTING IN ARCHITECTURE

Out Of This World

Danilof light + visual perception studio creates
stunning façade lighting for Orbit Urban Office campus

EDUCATION FOCUS • KTH LIGHTING DESIGN DIVISION 20TH ANNIVERSARY • [D]ARC ROOM LIVESTREAM REVIEW
ASST. PROF. DR. KAROLINA ZIELINSKA-DABKOWSKA • ORLUNA ORIGIN NATURAL REVIEWED

Thermally Speaking Toronto, Canada

Revealing our body heat in a three-dimensional space through experiential illumination, *Thermally Speaking* is a responsive installation that uses thermography and infrared measuring instruments to uncover the fields of energy of which we're all a part. The responsive installation transformed Toronto's Fort York Visitor Centre for Nuit Blanche 2019, providing a glimpse into a future of body temperature readings, creative data visualisation and surveillance fields.

To experience the installation, audiences were invited to move through, over and around the ramp of the Visitor Centre both as observers and subjects of observation, participants in dialogue with the phenomena around them. Thermal imaging cameras relayed and translated the heat energy of visitors into a shifting curtain of light, animating the channel glass facades of the existing building.

Designed by LeuWebb Projects and produced in collaboration with Mulvey & Banani Lighting as part of its CITYLights Toronto initiative, which seeks to educate Toronto students and young professionals in the fields of lighting design, architecture and interior design by creating site-specific installations that illuminate

features, public art and buildings.

During the process of developing the concept, Mulvey & Banani Lighting and LeuWebb Projects held several workshops to investigate the material and site, while several mock-ups occurred with all of the equipment to make sure that there was compatibility with all the light sources, projectors and cameras through a DMX console and programme session.

Using LEDs from ETC and ELAR, alongside Vivitek

Projectors, the team installed 5,000ft of cabling and more than 100 lights, illuminating roughly 800ft of channel glass wall. The installation used two thermal cameras that controlled multiple video projectors and 893 DMX channels to get the desired effect.

Speaking of the design concept, Mulvey & Banani Lighting's Vice President Stephen Kaye, said: "Human bodies are vessels of energy, containers of both fire and water. They're constantly undergoing renewal and death at a cellular level. *Thermally Speaking* translated the radiant energy of human bodies as they move around Fort York."

www.mblightingdesign.com
www.leuwebb.ca

Pic: Doublespace Photography, Simon Tanenbaum