

Description

- Permanent architectural lighting inspired by aurora borealis.
- Daily from dusk until 11:30 PM.
- Fully automated lighting.
- Creation and production team of 53 people.

Architectural structure

- *Bunge - Canada* grain elevators in the Old Port of Quebec.
- Building Size - Width: 600 meters - Height: 30 meters.

Equipment

- 574 lighting fixtures using LED technology (Light Emitting Diode).
- All lighting type IP66 units are adapted for the worst possible weather conditions.
- 2 lighting boards operating in redundancy.
- 1.4 kilometers of fiber optic cables, 6 km of DMX cables and 4 km of power cables.
- 160 aluminum supports fused to the waterproof membrane of the roof of the Bunge silos.

Energy Consumption

- The electrical power of Aurora Borealis is in the order of 105 kilowatts, for a grand total of 2 878 929 lumens (574 fixtures LED lit at full power).
- If we use traditional technology, 1 647 incandescent bulbs of 100 W each (domestic models) would be required to achieve the same level of brightness than with the LED lighting. These incandescent bulbs would generate a total of 245 kW. With the LED technology, our energy consumption is reduced by 57%.