

QUÉBEC CITY, QUEBEC, CANADA • 2018

Galleries de la Capitale: dimming a mall to 15% after midnight

Galleries de la Capitale, Québec City's largest mall at 1,500,000 square feet, was running 30-year-old sodium fixtures with security and energy costs trending the wrong way. It converted about 200 fixtures to LED with Dimonoff RME nodes, linked to its building management system.



Les Galleries de la Capitale and its parking lot in Québec City – photo by JOFphoto, CC BY-SA 3.0

1,500,000 sq ft

MALL FLOOR AREA COVERED BY THE
LIGHTING NETWORK [➤ \(HTTPS://WWW.DIMONOFF.CO
M/RESOURCES/CASE-STUDIES/GALERIES-DE-LA-CAPITALE-
SHOPPING-MALL/\)](https://www.dimonoff.com/resources/case-studies/galleries-de-la-capitale-shopping-mall/)

15%

LIGHT LEVEL AFTER MIDNIGHT, DOWN FROM
FULL OUTPUT [➤ \(HTTPS://WWW.DIMONOFF.COM/RESOUR
CES/CASE-STUDIES/GALERIES-DE-LA-CAPITALE-SHOPPING
-MALL/\)](https://www.dimonoff.com/resources/case-studies/galleries-de-la-capitale-shopping-mall/)

The situation

Galleries de la Capitale, Québec City's largest shopping mall at 1,500,000 square feet, was still lit by 30-year-old high-pressure sodium fixtures. The mall's operations team was managing three problems at once: fixtures old enough to be a maintenance liability, security concerns tied to inconsistent lighting levels, and an energy bill with no lever to pull short of manually switching zones.

What was deployed

Around 200 fixtures were converted to LED, each fitted with a Dimonoff RME wireless smart lighting node and managed through DOO Express, running on-premise rather than in the cloud. A Dimonoff BACnet gateway ties the lighting network into the mall's existing Reliable Controls building management system, so lighting is one more system the same operations team already monitors, not a separate dashboard. The mall now runs scenario-based schedules for special events and staffing changes, and dims to 15% of full output after midnight rather than staying at daytime brightness through the empty hours.

Why it matters for your network

Galeries de la Capitale is the large-commercial-interior case: a property old enough that the fixtures themselves were the maintenance problem, in a building that already had a management system worth integrating with rather than replacing. If your site already runs a BMS, BACnet integration is what keeps lighting from becoming a second system your team has to learn.

DEPLOYMENT

Node	RME smart wireless lighting nodes, one per fixture
Platform	DOO Express, on-premise
Integration	Dimonoff BACnet gateway linked to Reliable Controls' building management system
Control	Scenario-based scheduling for events and off-hours; 15% dimming after midnight

PARTNERS

- Desdowd

SOURCES

- [Dimonoff - Galeries de la Capitale Shopping Mall, QC](https://www.dimonoff.com/resources/case-studies/galeries-de-la-capitale-shopping-mall/) (<https://www.dimonoff.com/resources/case-studies/galeries-de-la-capitale-shopping-mall/>)