

# BetaLED™ Project Brief Overview

Calgary International Airport, Calgary, Alberta



## PROJECT SUMMARY

<b>End User:</b>	CAA - Calgary Airport Authority
<b>Application:</b>	7-level covered parking structure (1930 stalls) Calgary International Airport (YYC), Canada's fourth busiest airport, recently opened a new on site seven level parkade bringing the total number of available spaces to 7,480. YYC's commitment to environmental leadership includes designing, building and maintaining YYC facilities with sustainable features, making the selection of Ruud Lighting's Edge series LED luminaires for this facility an excellent fit, allowing for 50-60% energy savings from their previous base design using 150W HPS.
<b>Product:</b>	Qty 816 – The Edge™ XCL Canopy Lights (484 – 40 LEDs, 213 – 60 LEDs, 119 – 80 LEDs) Qty 28 – The Edge™ XAL Area Lights (120 LEDs)

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## Exceptional Uniformity.



All units are Type V and Dark Sky compliant to protect the night sky and limit light trespass. IES recommended light levels and uniformity requirements were met and/or exceeded for all areas while yielding significant energy savings. Illuminance Levels were tailored to the client's needs:

Level 1: 100 lux (≈10fc)

Level 2: 80 lux (≈8 fc)

Levels 3-7: 35 lux (≈3.5 fc)

The new 7 level parking structure at Calgary International Airport is part of the Calgary Airport Authority's Parking Made Easy program. Investing in the latest in lighting technology with the BetaLED Edge™ series from Ruud Lighting, the Calgary Airport Authority continues its environmental leadership with greatly reduced energy usage, extremely long life and low maintenance.



## ENERGY AUDIT Base 150W HPS to Final BetaLED Installed Design

	150W HPS Design	BetaLED Installed Design	Energy Savings
<b>Total Load</b>	145 kW	60 kW	60%
<b>Watts/sq. ft.</b>	1.65	.065	60%



Ruud Lighting Canada • 800/473-1234 • www.ruud.ca  
3 - 6889 Rexwood Rd., Mississauga, ON

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