



CASE STUDY:
LED INSTALLATION AT
CYPRESS MOUNTAIN

Concorde Series Flood / Area Light

200W | 5000K | FL04-200W-50K-HV

450W | 5000K | FL04-450W-50K-HV



ABOUT THE MOUNTAIN

Cypress Mountain is a well known ski area that's located in West Vancouver, British Columbia. It features six hundred acres of skiable area, fifty-three runs, and averages 622cm of snowfall each year. Out of the fifty-three existing runs that currently exist at Cypress, many of them are accessible for night skiing. The downhill runs are built on two mountains, Mount Strachan (4,720 ft) and Black Mountain (3,900ft). The ski area was initially opened by BC Parks in the 1970s after two Murray-Latta double-chairs were constructed on two of their hills. Night skiing was later added in 1985 on those same two hills.

In 2010, Cypress Mountain hosted freestyle skiing and snowboarding competitions during the Vancouver Olympic Winter Games.

ABOUT THE PROJECT

“Do the work now, protect the future - Cypress mountain is committed to being a local leader in environmental stewardship. Switching their old and inefficient legacy lighting for night skiing is one of those efforts towards striving for energy efficiency.”
- cypressmountain.com

CSC LED worked with the Cypress Mountain management team from the early stages of this project, providing technical support and product expertise to ensure the desired illumination level and beam patterns would be met.

CSC LED was the chosen supplier for many reasons, including our many years in the industry and our local warehouse in Port Coquitlam, BC.

The primary fixture used in this case study is our latest generation, Concorde series Flood / Area Light, FL04-450W (replaces 1000-1500W MH). Not only will Cypress Mountain benefit with greatly reduced energy costs, it will also have reduced maintenance costs due to the reliability and incredible LED lifespan of these fixtures.

BC Hydro's Power Smart program contributed greatly to reduce the cost of the overall project and will accelerate the payback time.



CONCORDE SERIES FLOOD / AREA LIGHT



- Sleek, Streamlined Design with Unsurpassed Performance
- Bronze Finish (select models available in white)
- Type III Optics Standard, Type V Available
- Complete with Trunnion Mount
- Other mounting options available, sold separately

450W | 5000K | 277-480V

FL04-450W-50K-HV

200W | 5000K | 277-480V

FL04-200W-50K-HV

Initial Lumens	57,368
Efficacy	129.19 lm/W
Dimmable	0-10V
CRI	70
Operating Temperature	-40 °C to 40°C
Unit Gross Weight	27.3 lbs
THD	15%
Power Factor	0.9

Initial Lumens	26,040
Efficacy	129.57 lm/W
Dimmable	0-10V
CRI	70
Operating Temperature	-40 °C to 40°C
Unit Gross Weight	15.43 lbs
THD	15%
Power Factor	0.9

ACCESSORIES USED

Photocell
& Receptacle

FLPC-LV



Slip Fit Mount

FL04-SF



Yoke Mount (200W)

FL04-YK-LG





Commercial and Industrial LED Lighting

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