

**Key Contractors:** Builder- Gorgio Engineer- Aurecon Contractor- Everett Smith

## PROJECT OVERVIEW

Skybridge is the \$31 million 280-metre walkway bridge forming part of the new METRONET Perth Airport infrastructure. Once completed, Skybridge will connect the Airport's Terminal 1 and 2 to Airport Central Station.

## CHALLENGE

The Perth Airport (PAPL) sought a cost-effective lighting solution for the new Skybridge that would address their concern for the potential risk for detrimental thermal temperature in the ceiling space of the bridge.

With Perth's soaring hot weather in the peak of summer creating high solar radiation in the bridge roof cavity, the possibility for temperatures to reach in excess of 45 degrees in the ceiling. Understanding that high ambient temperatures can also significantly reduce the life of LED light fixtures, PAPL wanted to ensure the lighting was able to perform in the potentially harsh environment without adversely affecting the life of the Luminaire.

## SOLUTION

By selecting Xero Lighting's industry-leading XTA 2 recessed profile, the builder was able to address the concerns of high ambient temperatures. Xeramix LED chips are tested to 50-degree ambient temperature and offer a 100,000 hours L90 B10 specification.

Xero Lighting was also able to increase the size of the driver to ensure the driver was not running at capacity and therefore also reduce the ambient temperature produced from the control gear.

## OUTCOME

Perth's new Skybridge will soon be completed and will shine brightly with Xero Lighting's high performance Xeramic LED chips LED technology for maximum economic life.

