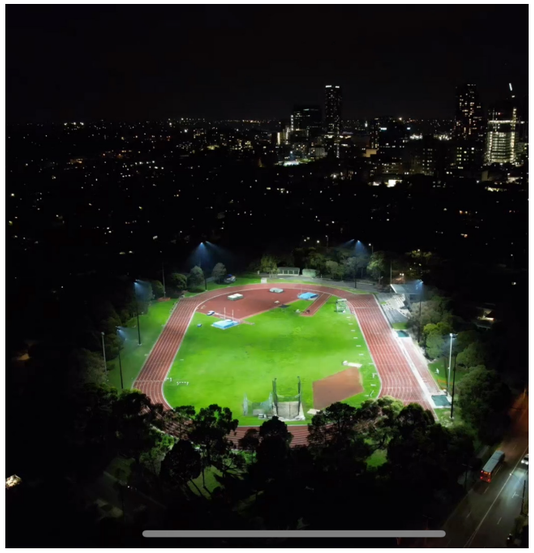
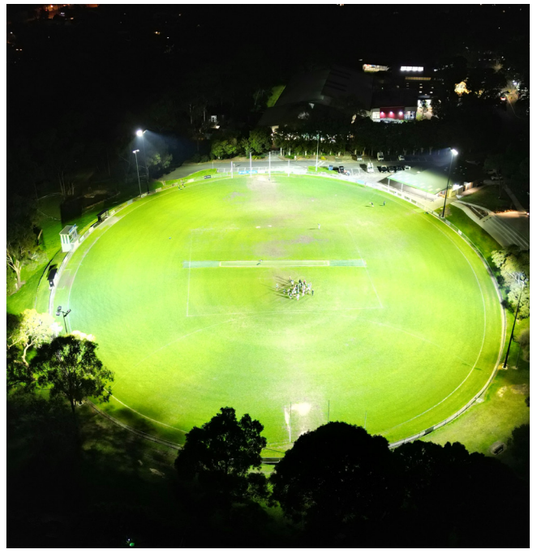
Reducing light spill with advanced technology

We're working with specialist lighting engineers and using the latest technology to ensure light is directed onto the sports field, not onto neighbouring properties.

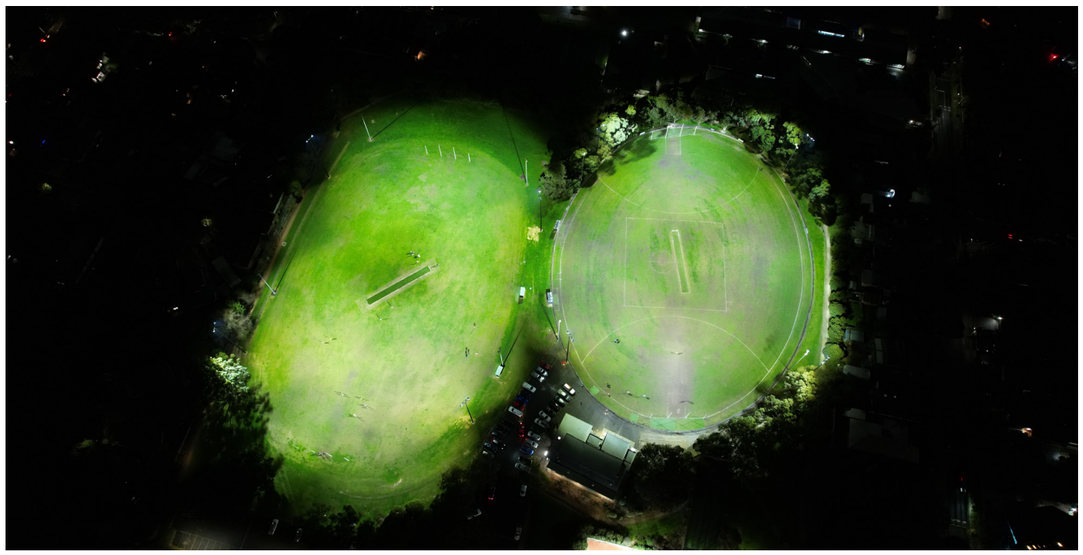
Below are examples of recent sports field lighting upgrades. Notice how the sports fields are brightly lit while the surrounding areas remain very dark. There is a clear cut-off, preventing light from spilling onto neighbouring properties.



Hagenauer Reserve, Box Hill North



Forest Hill Reserve, Forest Hill



Koonung Park, Blackburn North

Light spill control technology

As part of our commitment to enhancing community facilities with minimal impact, we would invest in cutting-edge tailor-made lighting technology at Ballyshannassy Park.

The images below show light control masks available to use for sports field lighting such as the LT, BL, and LO configurations.

We propose to use the LO configuration, which is the most advanced available. A key feature of this technology is its ability to minimise light spill, ensuring that light is directed precisely onto the playing areas without spilling into neighbouring properties.

This ensures that our facilities would be as neighbour-friendly as possible while maintaining excellent illumination on the sports fields. This is particularly important in our suburban setting, where sports facilities are often located near residential areas.

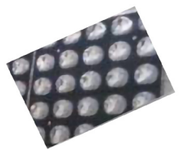
By adopting this state-of-the-art lighting solution, we would be enhancing the safety, comfort, and sustainability of our sports facilities, improving the experience for all users, and contributing to a more active and connected community.

OptiVision LED gen3.5

Integrated light spill control options for this project.

Standard

Standard optic for project cost optimisation



LT

Slight reduction in spill light without significantly affecting efficiency (integrated black plate), with light cut-off at 25xMH from the field.

BL

Moderate reduction in spill light (integrated louvre), with front and back light cut-off, plus side light cut-off, suitable only for narrow optics.

LO

Full spill light control (integrated louvre), with front, back, and side light cut-off, specifically for narrow optics (k-factor regulations, back light at 1xMH and front light at 6xMH).

LEAST

Light spill control

BEST

What we would use for this project