



Chirnside Park

by The GPT Group

Case Study

Chirnside Park Shopping Centre's new carpark lighting has impressed management, tenants and customers alike, by elevating light levels while lowering operating costs by 74%.

Summary

Chirnside Park shopping centre management embarked on the lighting upgrade to reduce their power cost as well as the high cost of replacing HID globes in the existing lighting.

They also achieved a significant lift in light levels, creating a much brighter and safer environment for customers and staff.

Challenge Faced

Tigerlight constructed a lighting plan to raise light levels to the required standard, without the need for adding extra poles, using 3 different sizes of the Tiger modular streetlight range.

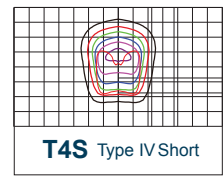
The resultant lighting installation raised the lux level and uniformity up to the required standard - P11a, P11b and P12 for the disabled parking areas.

Solution

48 x 400W metal halide streetlights and 25 x 1000W metal halide streetlights were replaced by the same number of fittings:

- 5 x 90W Tiger LED streetlights (12,460 lm)
- 43 x 120W Tiger LED streetlights (16,540 lm)
- 25 x 300W Tiger LED streetlights (41,780 lm)

The fittings featured the Cree XPG3 LED chips, producing an impressive 140 lm/W, while the lighting plan called for T4S lenses throughout.



The result is a well-lit and more secure car parking environment which is fully compliant with the required P11a, P11b and P12 pedestrian standards.



Above: Tiger 90W, 120W & 300W LED streetlights lighting the carpark at Chirnside Park Shopping Centre.
 Right: The lighting plan ensured that no new poles were needed to achieve the required levels and uniformity.

Tiger LED Streetlights 30W - 300W

- 30-300W LED replace 90-1000W HID
- 4280-41780 lm @ 140 lm/W
- Super-reliable Philips Xitanium drivers
- 13 Lens options available
- Modular design
- Stainless steel fascia
- Polycarbonate lenses
- No glass
- Rated IP67
- Choice of colours:



Adjustable
spigot entry

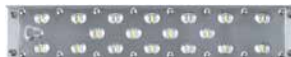


Wago connectors & spirit level inside



Main asymmetric lens types available:

T1M asymmetric



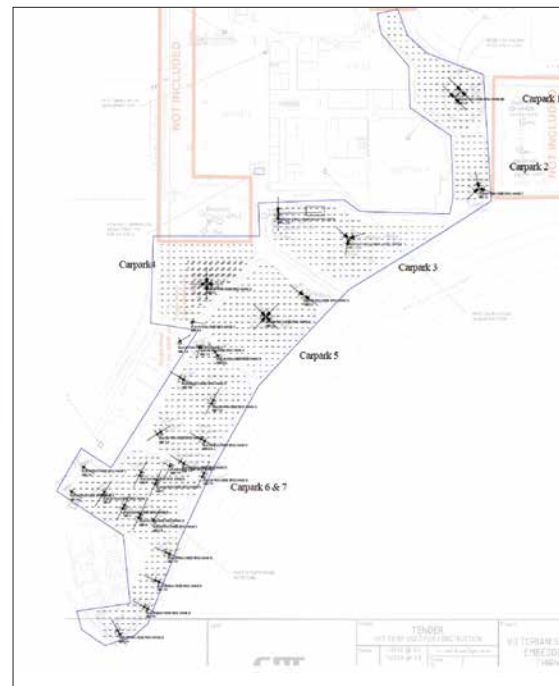
T2M asymmetric



T3M asymmetric



T4S area lens



300W	270W	240W	210W	180W	150W	120W	90W	60W	30W
41780lm	37430	33060	29600	24900	20670	16540	12460	8660	4280

