



Case Study

An upgrade to the car park lighting at Austrak's Delahey Village shopping centre has created a brighter, more secure and lower maintenance environment.



Summary

Delahey Village shopping centre upgraded its metal halide shoebox-style fittings to LED in order to raise light levels, lower their operating costs and reduce ongoing maintenance.

The replacement fittings were new Tigerlight modular LED floodlights which had the required output and the lens options to meet the brief.

Challenge Faced

Tigerlight successfully constructed a lighting plan to raise light levels to the required standard, without the need for adding extra poles.

The resultant lighting installation utilised two different sizes of fittings and 2 different lens types to raise the lux level and uniformity up to standard.

Solution

38 x 400w metal halide fittings were replaced by:
- 11 x 150w LED MegaFloods (20,670 lumens) and
- 27 x 180w LED MegaFloods (24,900 lumens).

The fittings featured the new Cree XPG3 LED chips, producing an impressive 140 lm/W.

The lighting plan called for T3M and T4S lenses to be utilised.

The fittings and brackets were made to order and were on-site after 7 weeks.

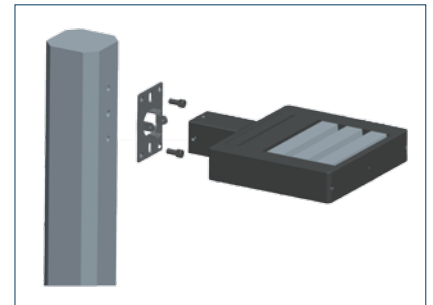
Assembly and installation were very simple and straightforward. No new poles were needed.

The result is a well-lit and more secure car park environment which is fully compliant with relevant pedestrian standards.



Tiger 150W & 180W LED car park lighting at Delahey Village shopping centre.

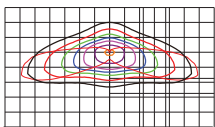
Brackets were supplied to attach the fittings securely to the existing black, square cross-section poles. Installation was completely trouble-free.



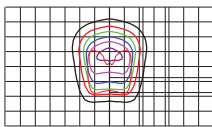
Solution – continued

Distribution patterns specified in the final lighting design were:

- T3M lenses were specified for roadways, and
- T4S lenses for the open car park areas.



T3M Type III Medium



T4S Type IV Short

Main asymmetric lens types available:

T1M asymmetric	
T2M asymmetric	
T3M asymmetric	
T4S area lens	

Tiger LED Shoebox-style area lights, 30W - 300W

- 4,280 - 41,780 lumens @ 140 lumens per watt
- 30-300W LED replaces 90-1000W HID
- Super-reliable Philips Xitanium drivers
- 13 Lens options to suit different mounting heights and distribution pattern required
- Modular design with stainless steel fascia
- Polycarbonate lenses - no glass
- IP67.

