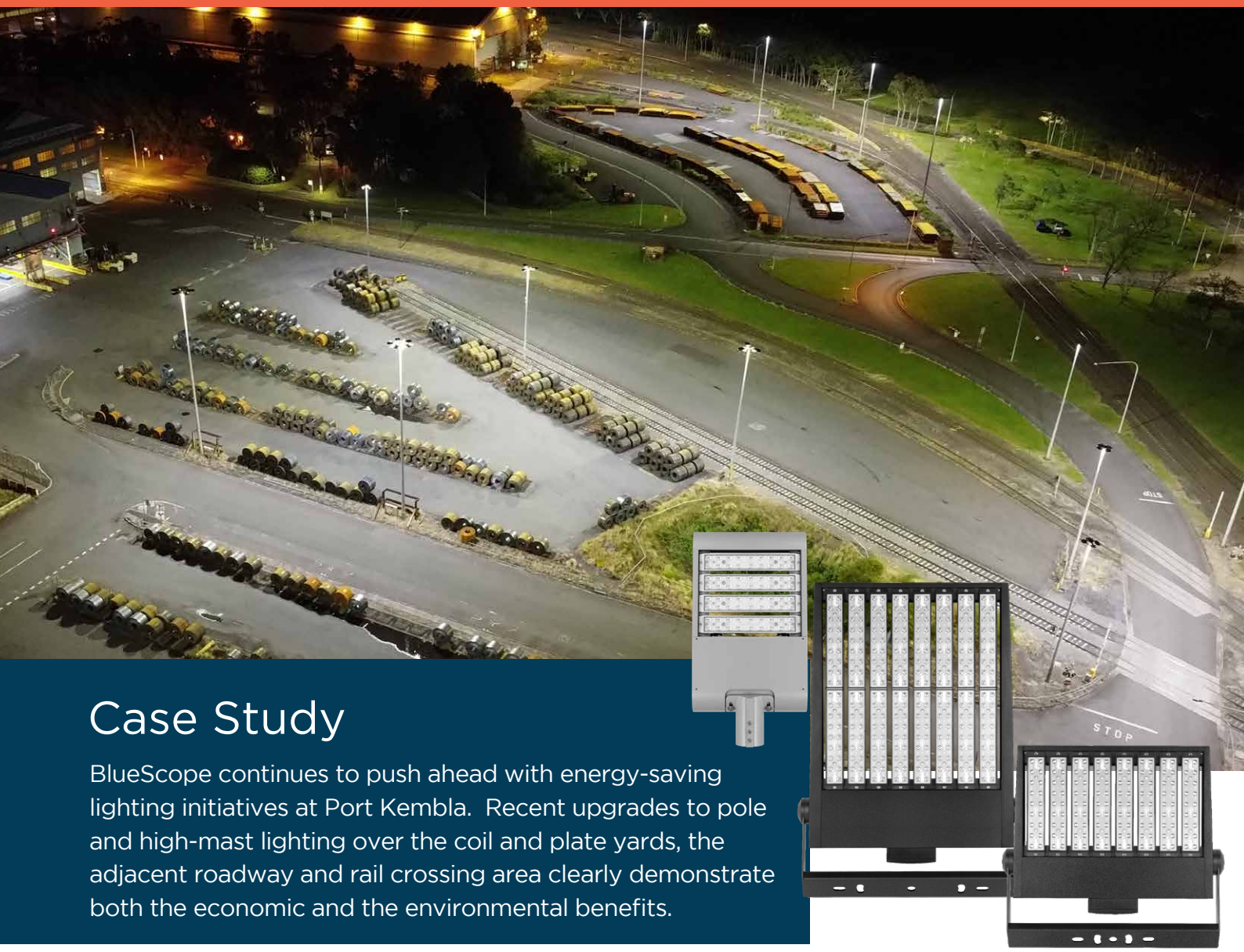
tigerlight | HIGH-PERFORMANCE INDUSTRIAL LIGHTING



Case Study

BlueScope continues to push ahead with energy-saving lighting initiatives at Port Kembla. Recent upgrades to pole and high-mast lighting over the coil and plate yards, the adjacent roadway and rail crossing area clearly demonstrate both the economic and the environmental benefits.

Summary

BlueScope Steel is continuing its clear strategy for carbon abatement and maintenance reduction with respect to its interior and exterior lighting.

At Port Kembla, the latest projects involved upgrading high-mast lighting over coil and plate yards, as well as pole-mounted floodlights and streetlights along key access roads and rail intersections.

Tigerlight constructed in-house lighting designs to achieve and often exceed the lux levels required, in the most efficient manner possible.

The following overall savings were achieved:

Power savings:	**424,630kWh per annum**
Carbon reduced:	**350 tonnes pa**
Maintenance costs:	**$31,200 pa.**

In addition, revenue of over $85,000 in NSW Energy Saving Scheme rebates were gained.

BlueScope

MEGA FLOOD

Solution

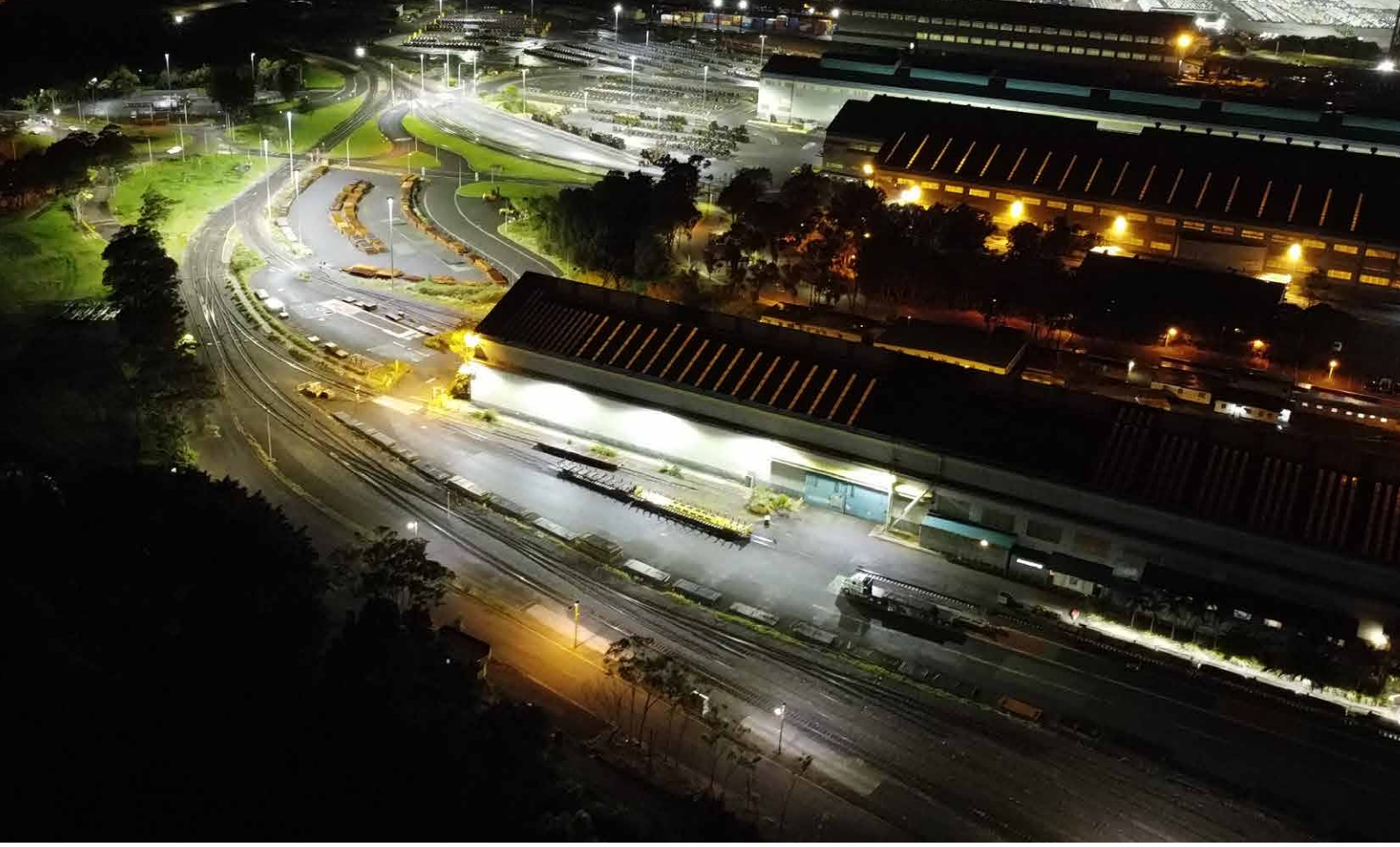
Altogether, across the 4 adjacent areas, Tigerlight replaced the following existing fittings with Mega-Flood floodlights and Tiger LED streetlights:

Existing Luminaires	Tigerlight upgrades
151 x 1000W HID floods	74 x 960W MegaFloods
5 x 2000W HID floods	24 x 480W MegaFloods
26 x 400W streetlights	4 x 200W streetlights
	22 x 160W streetlights

Total wattage was reduced by approximately 50%.

The array of optical lenses available produced increased average lux levels along with excellent uniformity and minimal light wastage.

The AS4282 obtrusive lighting standard was met.



Previous page: Coil Yard and rail crossing areas in the foreground with plate yard in the distance.
Above - Top: Excellent uniformity and lux levels with minimal light spill. Above - Left: In-house design render showing increased lux levels.
Above - Right: Close-up of existing high-mast positions in the Coil yard, supporting multiple 960W MegaFloods.

Photometrics and Lensing specified

The in-house lighting engineering plan called for the following optical lenses to be used:

High-mast lighting: T4M, T4VVSB

Building-mounted: T4M

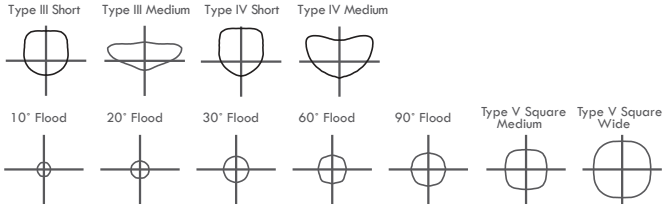
Sreetlighting: T2M, T4M

Many optical lens options are available, to cater to every installation and to every possible circumstance.

OPTICAL LENS OPTIONS AVAILABLE

Asymmetric: T2M, T3S, T3M, T4S, T4M.

Symmetric: Square: T5M (standard), T5W
Round: T10D, T20D, T30D, T60D, T90D.



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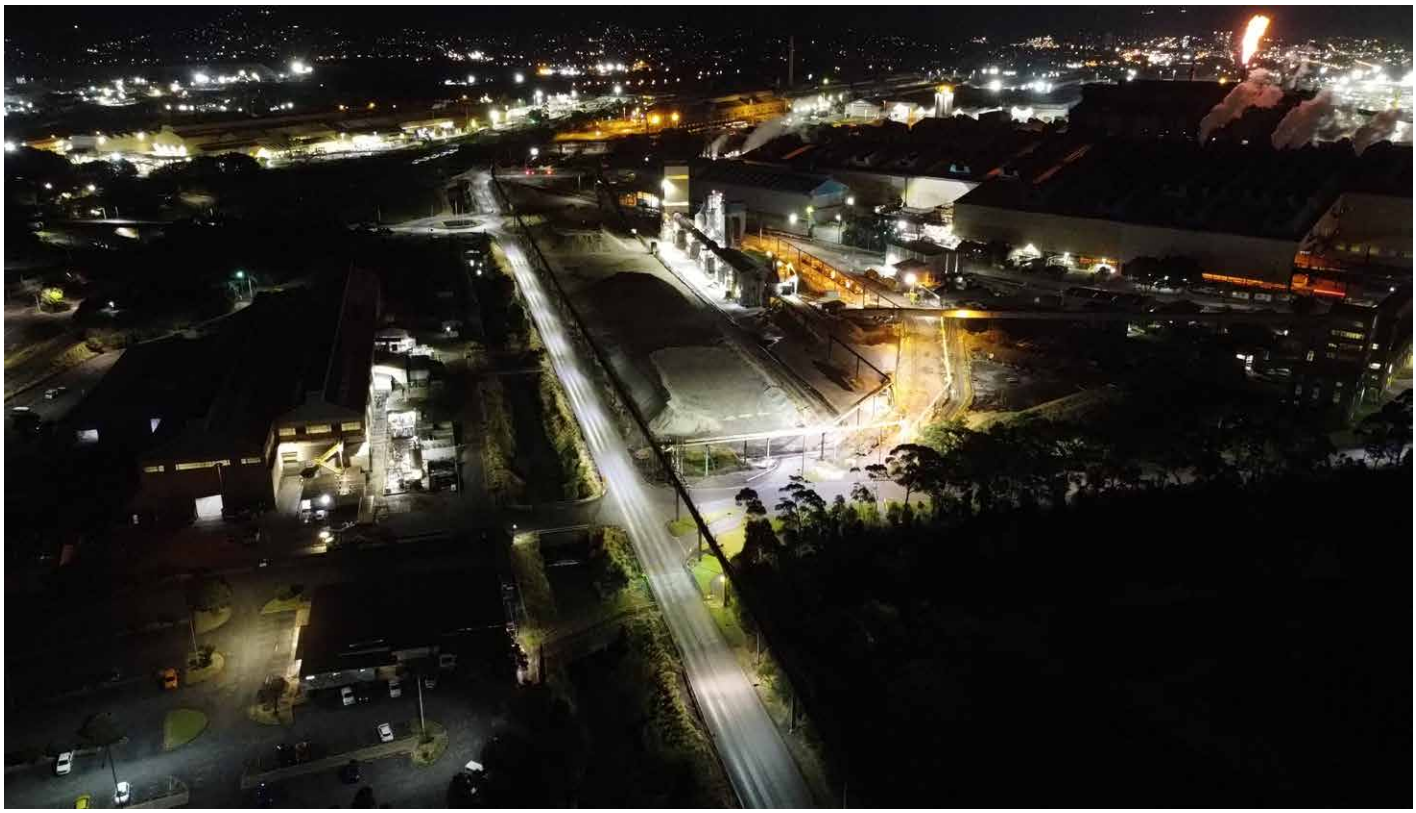


Excellent lux levels and uniformity of lighting on existing poles along Castor Road and Kembla Road overpass, with spigot-mounted Tiger LED streetlights and 480W MegaFloods.

TAILOR-MADE by tigerlight

POWER & OUTPUT | LENS OPTIONS | COLOUR TEMPERATURE | MOUNTING BRACKETS | REMOTE DRIVERS | VOLTAGE OPTIONS | EMERGENCY OPTION | LIGHTING CONTROLS

Individually designed and constructed to meet your exact requirements.

FLEXIBLE MODULAR PLATFORM OFFERS LIMITLESS OPTIONS

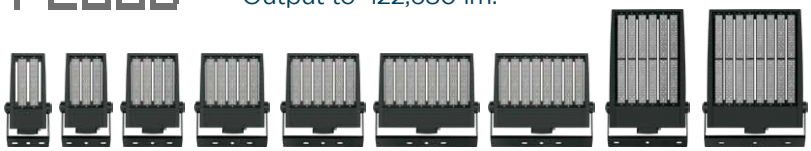
- Fully customisable to suit all applications
- Manufactured and shipped in 7-8 weeks.

From 20W to 1920W. From 3,000 to 221,000 lumens
7 different bracket choices for spigot, pole, wall or ceiling mounts
12-24VDC, 240VAC or 415VAC
Remote driver options
16+ Optical lens options, including symmetrical & asymmetrical
CCT options include whites, RGB colours, amber & green
Unlimited housing colour options. Lighting control options.

5 Year Warranty

MEGA FLOOD

80-960W.
Output to 122,680 lm.



STREETLIGHTS

40W - 400W. Spigot 62mm

tigerlight

tigerlight.com.au

T 1300 184 437
F 02 9913 8876
E info@tigerlight.com.au

National Support & Distribution Centre
Unit 8, 1 Vuko Place,
Warriewood, NSW 2102

Western Australia Office & Warehouse
Unit 3, 1 Distinction Road,
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