



## Case Study

Tigerlight was tasked with delivery of a lighting solution for the Riverina Intermodal Freight & Logistics Terminal (Visy Logistics). A creative lighting plan produced by the in-house lighting engineering team ticked all the boxes.

### Summary

Tigerlight was tasked with delivery of an appropriate lighting solution for container hardstand storage & large vehicle movement at an Intermodal terminal at Wagga Wagga.

The project had a minimum requirement of 20 Lux as per Australian Standard AS1680 Part 5 Table 3.1. Special consideration needed to be given to the likelihood of shadows once large shipping containers were stacked 5 high (Approx 13m).

Tigerlight's highly-skilled design team developed a solution to mitigate shadows, working with the pole supplier to extend the length of the cross-arm to over-reach the containers.

At the client's request Tigerlight was able to provide the entire solution with remote drivers which are housed in the base of each lighting tower for ease of future maintenance in an area where heavy machinery restricts access.



### Solution

A total of 21 Tigerlight MEGA floods were specified for the project:

- 1 x 200W MEGA Flood
- 1 x 480W MEGA Flood
- 11 x 960W MEGA Floods, mounted singly
- 8 x 960W MEGA Floods, back-to-back in pairs.

Mounting heights were:

- 7m poles
- 12m poles, and
- 25m towers mainly on the container hardstand.

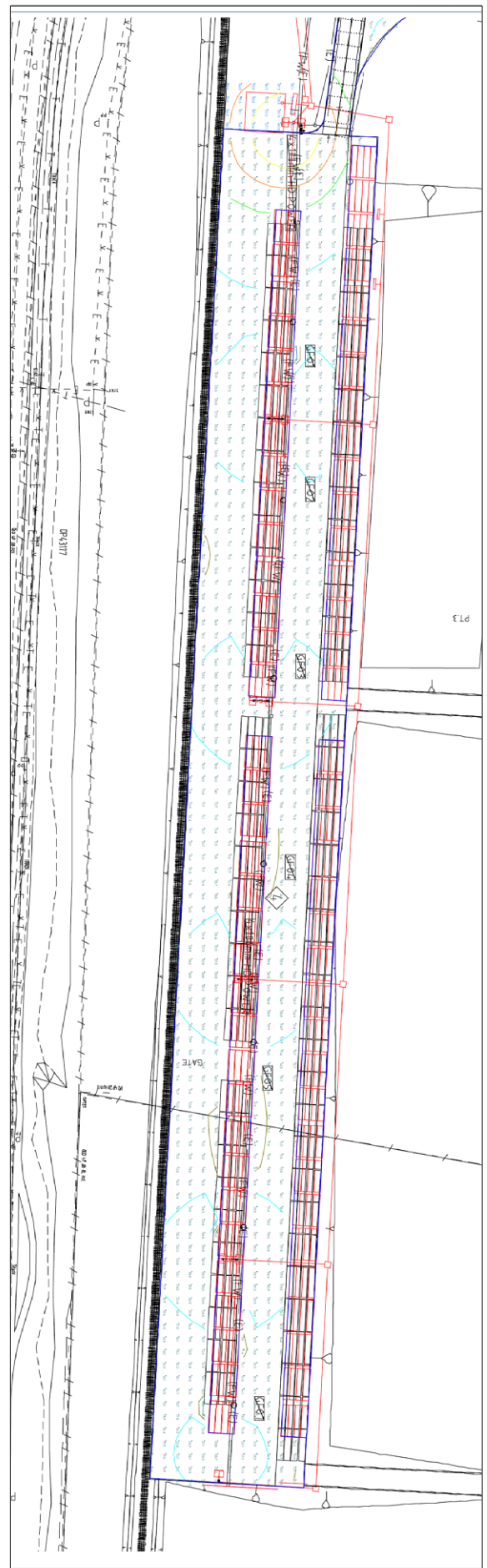
The optical lenses specified were T4M.

CCT was 5000K.



Above: The project had a minimum requirement of 20 Lux as per AS1680 Part 5 Table 3.1. Special consideration needed to be given to the likelihood of shadows once large shipping container were stacked 5 high (Approx 13m). This was achieved in part by working with the pole suppliers to lengthen the outreach arms.

Right: Part of the lighting plan constructed by Tigerlight's in-house lighting team whose expertise delivered all the key objectives.



**LUX LEVELS ACHIEVED**

	AVE LUX
CONTAINER HARDSTAND	24.0
ENTRY HARDSTAND	29.8
ENTRY ROAD CHANNELISATION	18.8
ENTRY ROAD	49.3
MAINTENANCE SLAB	94.6
REFUELING AREA	141.6

The project had a minimum requirement of 20 Lux as per Australian Standard AS1680 Part 5 Table 3.1. The standard was met.

Importantly, shadows potentially caused by 13m high stacks of containers, were minimised by working with the pole suppliers to extend the outreach arms on the towers to improve their reach around the containers.



Left: Uniform light spread along the hard-stand area. Minimal light spill into surrounding areas, due to the anti-spill lens design, unique to Tigerlight's MEGA floodlights.

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.



Tigerlight MEGA floods 80-960W. Output to 122,680 lm.

