



## Case Study

Tigerlight was engaged by Transport for NSW and the City of Coffs Harbour to deliver a tailored streetlighting solution for the new Coffs Harbour Boat Ramp. All of the complex performance, regulatory and environmental constraints were satisfied.

### Summary

The Coffs Harbour boat ramp project is a standout example of how Tigerlight's unique Tailor-Made Platform can meet all of the diverse, yet critical, requirements for a lighting project in a highly constrained coastal setting.

### Challenge Faced

Tigerlight's in-house MIES lighting designers met a number of technical and environmental constraints:

- the coastal marine setting required double powder coating on luminaires and poles (from GM Poles) to meet enhanced corrosion-resistance standards
- the proximity to the airport demanded that the layout and lensing meet CASA upward light control and obtrusive lighting standards
- adjacent to the site is Mutton Bird Island, a culturally and environmentally sensitive nature reserve for native seabirds, which required warm light, low glare and minimal light spill
- DALI control was also specified to allow scheduling of operation and adaptive dimming in response to site usage.

### Solution

The customised streetlighting solution was based on the unique Tigerlight Tailor-Made platform, engineered to meet each aspect of the project brief. The final lighting design completed by Tigerlight's in house MIES lighting designers, comprised a total of 64 Tiger Streetlights:

- 30 x SLC040 in T3M optic
- 18 x SLC080 in T4M optic
- 14 x SLC080 in T4S optic
- 2 x SLC120 in T4VS optic
- DALI-controlled Inventronics drivers
- 3000K CRI80 LED chipsets in consideration of the wildlife-sensitive Mutton Bird Island
- Delivered with double powdercoating in charcoal
- Bird spikes to keep local birdlife off the luminaires.

The result is a robust, compliant lighting installation delivering safety, durability, and environmental responsibility in a highly-constrained coastal setting.





Top left: Mutton Bird Island, an environmentally sensitive habitat, adjacent to the boat ramp site.

Top right and below: 64 Tiger Streetlights deployed in the vicinity of the regional airport, requiring minimal upward and lateral light spill, due to CASA regulations. Warm white lighting was specified with a CRI above 80. The luminaires ranged in output from 40W to 120W, with DALI control to allow operation to be scheduled and output to be dimmed as required.

## TIGER STREETLIGHTS SPECIFICATIONS & OPTIONS

- LCP - from 30W to 480W
- Lumens - from 4210 lm to 67680 lm
- Voltages - 240VAC, 415 VAC
- Inventronics drivers
- L70B10 / L90B10 - >200,000hrs / >60,000hrs
- Lighting controls - DALI, dimming, sensors
- Optical lenses - 16 options including anti-backspill
- CCT - 4 options - 2200, 2700, 3000, 4000, 5000K
- CRI - 3 options: >70, >80, >90
- 90 degree adjustable mounting brackets
- Rated IP66 and IK10
- Powdercoating colour options.

