



## Case Study

OneSteel upgraded its external floodlighting with stunning results. Tiger's powerful 900W MegaFloods replaced 2000W MH floods and delivered twice the target lux levels.



**MEGA900**

**onesteel**

### Summary

OneSteel's rod and wire division's Newcastle plant wished to upgrade its existing 2000W metal halide floodlighting on multiple 25m high towers.

The main business objectives were to lower the operating costs as well as the maintenance burden on the existing MH floods, which were frequently out because of the impact of wind on the longevity of the globes.

### Challenge Faced

OneSteel were seeking a light fitting which offered energy savings. The 900W Tiger MegaFloods have reduced power consumption by 60% compared with the existing 2000W MH floods and their ballasts.

With all non-operational fittings removed, the LED fittings were expected to deliver vastly improved lux levels across the large site.

### Solution

Each 25m tower carried 6-7 x 2000W MH floods. These were replaced by 6 x 900W MegaFloods per tower.

The output of the 900W MegaFloods impressed the management of OneSteel, as did the affordability of the upgrade.

The lenses specified to meet the required light distribution were 60 degree round, IESNA T5S lenses, which provided sufficient beam width to cover the areas to be lit, ranging to over 100m in some areas.

The sturdy build quality and IP67 rating were seen as major positives to OneSteel in their selection criteria.

Light levels achieved were approx 200% of the target levels set.



Above left and right: 6 x Tiger 900W MegaFloods on the existing 25m towers at OneSteel's Newcastle rod and wire plant.

### Tiger LED MegaFlood 900W

- 110,800 lumens output at 120 lumens per watt
- Replaces up to 2000W HID
- Modular construction, with stainless steel fascia
- Renowned Philips Xitanium drivers for proven performance and utmost reliability
- 2 bracket options - wall/pole or spigot
- 14 lens options, including round and asymmetrical
- Polyester-coated housing in black or grey
- Fitted with Transient Voltage Suppressors
- Surge protection to 20kV/10kA also available
- IP67 rating. Glass-free.

### MEGA900



Dimensions  
900W flood

With Wall/pole bracket:  
(pictured left)  
1042 L x 680 W x 373mm H  
Weight 30.7kg

With Spigot mount bracket:  
1065 L x 635 W x 123mm H  
Weight 30.7kg.



### TIGER LED MEGAFLOODS 450-900W Replacing 1000W TO 2000W HID

450W	600W	750W	900W
63500lm	84700	105000	126000



### HIGH MAST LIGHTING 15 to 25m pole heights

- Option for remote location of drivers in base of poles
- Reduces future maintenance cost
- Reduces weight & wind resistance
- Subject to specifications of poles.

