

CASE STUDY

CLIENT

Hoërskool Centurion

PROJECT

Kilimanjaro High Mast LED Lights

MANUFACTURING

The Afrison factory manufactured the following products:

Kilimanjaro 700W LED high Mast Lights
x 24 (6 lights per mast)
Kilimanjaro 340W LED High Mast Lights
x 3 Pavilion roof

Old Installations

- Per Mast 6 x 2000W MH Lights
- Total wattage per pole = 12 000W
- Total on 4 masts = 48 000W
- Old lux levels = 65 lux

New Installations

- Per Mast 6 x 700W Kilimanjaro LED's
- Total wattage per pole = 4200W
- Total on 4 masts = 16 800W
- 65% energy saving
- New Afrison LED lux levels = 110 lux

INTRODUCTION

Hoërskool Centurion is the oldest school in the greater Centurion area. The school was founded in 1958 and is today one of Pretoria's prestige schools. Any school that is more than 60 years old, have ageing infrastructure. The school wanted to upgrade the lighting on the Sport stadium A-Field to enable night games for rugby, cricket, and athletics. The existing wiring did not allow for more lights to be added to the current poles.

CONSULTATION & DESIGN

Afrison did multiple site visits (also at night) to determine the layout of the stadium, placing and height of the poles, condition of electrical infrastructure, current lux levels, etcetera. Afrison provided an electronic lighting design that simulated the sport stadium, with Afrison's Kilimanjaro replacements lighting the stadium. According to this design it was determined that required lux levels will be achieved everywhere on the field.

SUPPORT

After installation Afrison visited the site 3 times, with 3 months intervals, also during sport functions, to ensure that everything is working according to specification, and that spacing and direction of lighting were as required. Hoërskool Centurion is aware that Afrison is just a call away. All our installed products come with a standard 5 year warranty, and all luminaires are repairable if required. Afrison achieved a 65% energy saving with a 41% increase in lux levels, while saving Hoërskool Centurion thousands of rands in upgrading electrical wiring.



"Afrison service and product exceeded our expectations. They did a professional light design as part of their presentation and delivered all the floodlights within the proposed timelines. The lights work so well that we can now even host cricket matches in the evening"
- J Koekemoer, Principal

CONTACT INFORMATION

+27 12 664 5688
afrison@afrison.co.za
www.afrison.co.za

