



LIGHTING EQUIPMENT

6 x 15m New Masts each carrying the Following Challenger 1 Luminaires:-

- M1, M3, M5 & M6 1 x AL6002 (Pos B) / MHN-FC 2200W / 640 / 400V XW, Floodlights
- M2 & M4 2 x AL6003 (Pos B) / MHN-FC 2200W / 640 / 400V XW, Floodlights

LAMPS

MHN-FC 2200W / 640 / 400V XW (232,000 LLm)

HORIZONTAL ILLUMINANCE LEVELS

94m x 68m Rugby Pitch (Specified Levels)

Average Maintained Horizontal Illuminance (Eh.m): 100 Lux
 Uniformity Ratio (E.min / E.av): 0.50
 Maximum Glare Rating: GR = 55

94m x 68m Rugby Pitch (Calculated Levels)

Average Maintained Horizontal Illuminance (Eh.m): 172 Lux
 Uniformity Ratio (E.min / E.av): 0.71
 Maximum Glare Rating: GR = 49

104 Points Grid - (Dead Ball Lit by Overspill)
 Grid Values in Lux
 Contours Values 50, 25, 10, 5, 2, 1 & 0.5 Lux

Maintenance Factor: 0.80

Calculations are based on a flat and open area where shadowing from trees and buildings has not been taken into consideration

ILP Calculations for Otrusive Light have not been produced for this project.

LPDArea_1

Area (Sq.m) =9672 Total Watts=18945.2 LPD (Watts/Sq.m) =1.959 UWLR=0.006 (0.6%)