

Abacus®

Leaders in lighting

ABACUS REF : FB10/08
FOOTBALL CLASS I
COMPETITION STANDARD

FLOODLIGHTING EQUIPMENT
 4x20m MASTS(M1-M4)
 EACH CARRYING THE FOLLOWING FLOODLIGHTS:-
 M1-M4.....4 x AL5760/2KW - NARROW BEAM
5 x AL5760/2KW - MEDIUM BEAM

LAMPS (CHOICE OF)
 PHILIPS - MHN-LA 2KW 400V/842(220000 INITIAL Lm.).
 OSRAM - HQI-TS2000WDL(225000 INITIAL Lm.).
 VENTURE - MH-TS2000W/LK12/4K(240000 INITIAL Lm.).

ILLUMINANCE LEVELS
A) INITIAL(100 HRS)
 E.i.ave=636 LUX.

B) MAINTAINED(4000 HRS)
 E.m.ave=509 LUX.

UNIFORMITY
 Emin/Eave=0.74
 Emin/Emax=0.51

MAXIMUM GLARE RATING(GR)=44

GRID VALUES IN LUX(INITIAL).
 GRID INTERVAL=5m.
CONTOUR VALUES IN LUX(INITIAL).
 CONTOURS:5,10,25,50 LUX.
 VERTICAL ILLUMINANCE CALCULATED AT +3.0m A.G.L.

MAINTENANCE FACTOR=0.80
 BASED UPON:-
 DIRT DEPRECIATION FACTOR=7%
 CLEANING INTERVAL=12 MONTHS.
 LOCATION=MEDIUM POLLUTION.
 LAMP LUMEN DEPRECIATION=14%

NOTE
 THE DESIGN CALCULATIONS ARE BASED UPON PHILIPS LAMPS, THE MAINTAINED ILLUMINANCE LEVEL WILL VARY DEPENDING ON FINAL LAMP CHOICE.



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All illuminance values are the result of computer calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.

