



FLOODLIGHTING EQUIPMENT:

8 x 8m MASTS (M1-M8)

EACH CARRYING THE FOLLOWING FLOODLIGHTS:

M1,M4,M5,M8.....1 x AL5771/1KW/MHN-LA

M2,M3,M6,M7.....2 x AL5771/1KW/MHN-LA

LAMPS (PHILIPS)

1KW MHN-LA/1000/842 (100 000 INITIAL Lm)

ILLUMINANCE LEVELS:

INITIAL (100 Hrs)

E.i.ave = 358 LUX

MAINTAINED (4000 Hrs)

E.m.ave = 276 LUX

UNIFORMITY

Emin/Eave = 0,69

GRID VALUES IN LUX

GRID INTERVAL = 12 MONTHS

CONTOUR VALUES IN LUX

CONTOURS 2,5,10,25,50 LUX

MAINTENANCE FACTOR = 0.77

BASED UPON:-

DIRT DEPRECIATION FACTOR = 7%

CLEANING INTERVAL = 12 MONTHS

LOCATION = MEDIUM POLLUTION

LAMP LUMEN DEPRECIATION = 17%

BULK LAMP REPLACEMENT AT 4000 Hrs

SPOT LAMP REPLACEMENT UNDERTAKEN

www.lighting4sport.com



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Lighting Project: EXTERNAL FLOODLIGHTING

Title: BUXTON COMMUNITY SCHOOL

Design Ref: UKS5999

Revision(s) From Previous Design:

Design By: ROB SCOTT

Date: 03/07/2009

Scale: 1:500 @ A2

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.