

FLOODLIGHTING EQUIPMENT:

4 x NEW 15m MASTS Carrying the following AAA-Lux Luminaires
M1 & M4.....A 1 x WS250 LS / 1550W/ GEN 7.0.1
 B 1 x WS290 LS / 1550W/ GEN 7.0.1
M2 & M3.....B 1 x WS290 LS / 1550W/ GEN 7.0.1

4 x EXISTING 12m MASTS Carrying the following AAA-Lux Luminaires
M5.....A 1 x WS250 LS / 1550W/ GEN 7.0.1
M6-M8.....B 1 x WS290 LS / 1550W/ GEN 7.0.1

Maximum Elevation 68°

HORIZONTAL ILLUMINANCE LEVELS

Training Pitch (specified level)
Average Maintained Horizontal Illuminance (Eh.m): 100 lx
Uniformity Ratio (E.min / E.av): 0.5

Training Pitch (Calculated level)
(Calculated when floodlights on existing columns are switched OFF)
Average Initial Horizontal Illuminance (Ei.m): 120 lx
Average Maintained Horizontal Illuminance (Eh.m): 108 lx
Uniformity Ratio (E.min / E.av): 0.09

Surrounding Area (Calculated level)
Average Initial Horizontal Illuminance (Ei.m): 87 lx
Average Maintained Horizontal Illuminance (Eh.m): 78 lx
Uniformity Ratio (E.min / E.av): 0.09

GR_{new} = 52

Grid Intervals 6x6m
Maintenance Factor: 0.9

Based Upon:

- Luminaires depreciation due to dirt
- Medium Pollution
- Pre-season cleaning of floodlights

Initial Levels Shown

Note:

- Figures taken with no over spill from adjacent lighting
- Mast location and pitch scale provided by customer. Please check prior to ordering

Obtrusive Light - Compliance Report

CIE 150/2017, E3-Medium District Brightness, Pre-Cut-off
Filename: UKS18059_b - VYG Rugby Pitch
15/09/2021 10:57:51

Illuminance
Maximum Allowable Value: 10 Lux

Calculations Tested (8):

Calculation Label	Test	Max. Results Illum.
Gerdol Oyentria III_Seg1	FAIL	18
Gerdol Oyentria 1_III_Seg1	PASS	2
Gerdol Oyentria 2_III_Seg1	PASS	1
Heol-V-Cae_1_III_Seg1	FAIL	16
Gerdol Oyentria 3_III_Seg1	FAIL	17
Ponycapel Road III_Seg1	PASS	5
Ponycapel Road 1_III_Seg1	FAIL	12
Ponycapel Road 2_III_Seg1	PASS	1



ISO 9001 / ISO 14001
CERTIFIED

