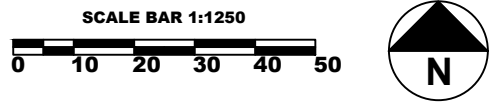




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Lighting Schedule Project Total (for mast arrangements see table/s below)						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
	A	4	AL6102_15752S Challenger 1 LED	15	1539	203437
	B	4	AL6101_15752S Challenger 1 LED	15	1535	204388
	C	8	AL6202_10752S Challenger 1 LED	15	1009.1	133730

Mast Arrangement						
M1,M4,M5,M8						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
	B	1	AL6101_15752S Challenger 1 LED	15	1535	204388
	C	1	AL6202_10752S Challenger 1 LED	15	1009.1	133730

Mast Arrangement						
M2,M3,M6,M7						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
	A	1	AL6102_15752S Challenger 1 LED	15	1539	203437
	C	1	AL6202_10752S Challenger 1 LED	15	1009.1	133730

Horizontal Illuminance Levels				
Welsh FA Men's Tier 3 Specification				
Label	CalcType	Units	Avg	Min/Avg
Football Pitch	Illuminance	Lux	250	0.60

Calculation Summary							
Initial Calculations							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Football Pitch	Illuminance	Lux	282	394	213	0.75	0.54

Calculation Summary							
Maintained Calculations							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Football Pitch	Illuminance	Lux	254	355	192	0.76	0.54

Area Summary		Challenger 1 LED AL6100	Challenger 1 LED AL6200
Label	Total Watts		
Football Pitch	20,368.8		

Glare Summary	
Label	GRmax
Main Pitch	50
Training Pitch	49

Calculation Grid Intervals	
Label	Grid
Football Pitch	12 x 8

Area Dimensions		
Area	L (m)	W (m)
Football Pitch	95	63

Isoline Legend		Maintenance Factor 0.9	
Illuminance (Lux)		LED lifetime	
Colour	Value	L80B10: > 60,000 hours	
	2	Dirt depreciation factor:	
	5	BS5489-1:2020 Table C.1	
	10	12 month cleaning intervals	
	20		
	50		

Obtrusive Light - Compliance Report
CIE 150:2017, E2-Low District Brightness, Pre-Curfew
Filename: LS4063540 Seven Sisters Onllwyn AFC
06/12/2023 07:48:17

Calculations Tested (6):		
Calculation Label	Test Results	Max. Illum.
1-2 Wembley Avenue	PASS	5
3-4 Wembley Avenue	PASS	5
5-6 Wembley Avenue	PASS	5
7-8 Wembley Avenue	PASS	4
9-10 Wembley Avenue	PASS	4
11-12 Wembley Avenue	PASS	3

Notes:
This scheme has been designed based upon a flat and open area.
Shadowing from obstructions have not been taken into account.

Drawing converted from satellite image, please check dimensions before ordering and installing.
Initial levels shown on drawing.

LRQA
CERTIFIED