



AERIAL VIEW OF SITE WITH LIGHTING OVERLAID

Street Lighting Key:

Symbol	Description
	Proposed 15m high mast locations as shown. Specification of each high listed below.
	Luminaire lumen/optic variation and aiming angle.

Mast arrangement - M1	
Ref	Description
D	AL6201_107525 + FS2 Challenger 1 LED
F	AL6202_107525 + FS2 Challenger 1 LED

Mast arrangement - M2, M3	
Ref	Description
F	AL6202_107525 + FS2 Challenger 1 LED
H	AL6102_157525 + FS2 + RS2 Challenger 1 LED

Mast arrangement - M4	
Ref	Description
B	AL6201_107525 + FS3 Challenger 1 LED
F	AL6202_107525 + FS2 Challenger 1 LED

Mast arrangement - M5	
Ref	Description
C	AL6201_107525 + FS3 + RS2 Challenger 1 LED
E	AL6202_107525 + RS2 Challenger 1 LED

Mast arrangement - M6	
Ref	Description
G	AL6202_107525 + FS2 + RS2 Challenger 1 LED
H	AL6102_157525 + FS2 + RS2 Challenger 1 LED

Mast arrangement - M7	
Ref	Description
E	AL6202_107525 + RS2 Challenger 1 LED
H	AL6102_157525 + FS2 + RS2 Challenger 1 LED

Mast arrangement - M8	
Ref	Description
A	AL6201_107525 + RS2 Challenger 1 LED
G	AL6202_107525 + FS2 + RS2 Challenger 1 LED

DRAWING TO BE PRINTED IN COLOUR TO ENABLE CORRECT IDENTIFICATION OF SYMBOLS, PROPOSED LIGHTING CABLING OR LINETYPES SHOWN

LIGHTING SCHEME DESIGNED IN ACCORDANCE WITH:
SOCIETY OF LIGHT AND LIGHTING (SLL) -
LIGHTING GUIDE 4 - SPORTS LIGHTING AND TABLE 3.21 FOR FOOTBALL.
(ASSOCIATION AND FIVE-A-SIDE, OUTDOOR)

LIGHTING CLASSIFICATION: CLASS II AVE. 200LUX, UNIFORMITY >0.60

Calculation results						
Label	Calc. type	Units	Avg	Max	Min	Mini/Avg
Football pitch	Illuminance	Lux	209.04	341.77	124.55	0.60

LIGHTING ISOLUX CONTOUR KEY:

- 200.0 Isolux contour line
- 150.0 Isolux contour line
- 100.0 Isolux contour line
- 10.0 Isolux contour line
- 5.0 Isolux contour line
- 1.0 Isolux contour line
- 0.1 Isolux contour line



ABACUS CHALLENGER 1 AREA LIGHTING LUMINAIRE

REV	AMENDMENT	DATE	INITIAL

R0	INITIAL DESIGN	25/02/2024	DK
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MMA

LIGHTING CONSULTANCY

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Project title		FINCHWOOD PARK, WOKINGHAM	
Drawing title		SPORTS PITCH LIGHTING ASSESSMENT	
Prepared by	DK	Checked by	MC
Scale	1:500 @ A1	Date	24/02/2024
Drawing Number	MMA19620/001	Revision Details	R0