





Lighting Schedule Project Total (for mast arrangements see table/s below)						
Symbol	Tag	Qty	Description	Mounting Height (m)	Luminaire Watts	Luminaire Lumens
	A	4	AL61101_74_2_AW_150_4K Vago	8	150	18245
	B	4	AL61101_30_3_AM_158_4K Vago	8	158	22077

Mast Arrangement						
M1 - M4						
Symbol	Tag	Qty	Description	Mounting Height	Luminaire Watts	Luminaire Lumens
	A	1	AL61101_74_2_AW_150_4K Vago	8	150	18245
	B	1	AL61101_30_3_AM_158_4K Vago	8	158	22077

Horizontal Illuminance Levels				
Customer Specification				
Label	CalcType	Units	Avg	Min/Avg
MUGA	Illuminance	Lux	200	0.60

Calculation Summary								
Initial Calculations								
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	
MUGA	Illuminance	Lux	252	391	168	0.67	0.43	




Calculation Summary								
Maintained Calculations								
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	
MUGA	Illuminance	Lux	226	351	151	0.67	0.43	

Area Summary	
Label	Total Watts
MUGA	1,232

Calculation Grid Intervals	
Label	Grid
MUGA	1.5m x 1.5m

Area Dimensions		
Area	L (m)	W (m)
MUGA	27.53	14.71

Glare Summary	
Label	GRmax
Glare Rating	31

Isoline Legend	
Illuminance (Lux)	
Colour	Value
	0.5
	2
	5
	10
	20
	50

Maintenance Factor 0.9	
Dirt depreciation factor:	
BS5489-1:2020 Table C.1	
12 month cleaning intervals	



Obtrusive Light - Compliance Report
CIE 150:2017, E2-Low District Brightness, Pre-Curfew
Filename: LS4069031B Thornbury - Outdoor Basketball Court
04/08/2025 11:10:59

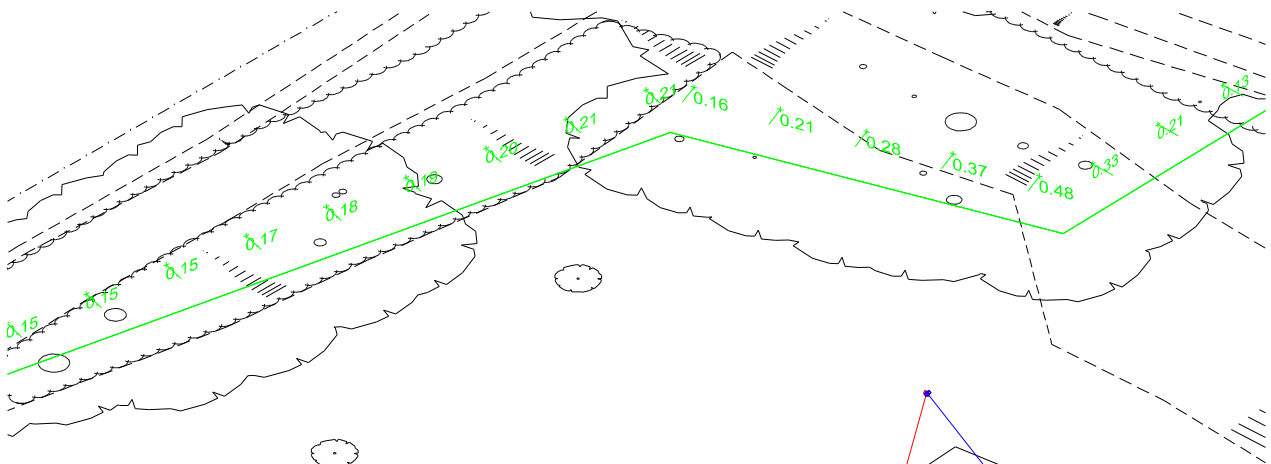
Illuminance
Maximum Allowable Value: 5 Lux

Calculations Tested (6):		
Calculation Label	Test Results	Max. Illum.
Tree Line 2	PASS	0
Tree Line 2	PASS	0
Tree Line 2	PASS	0
Tree Line 2	PASS	0
Tree Line	PASS	0
Tree Line	PASS	0

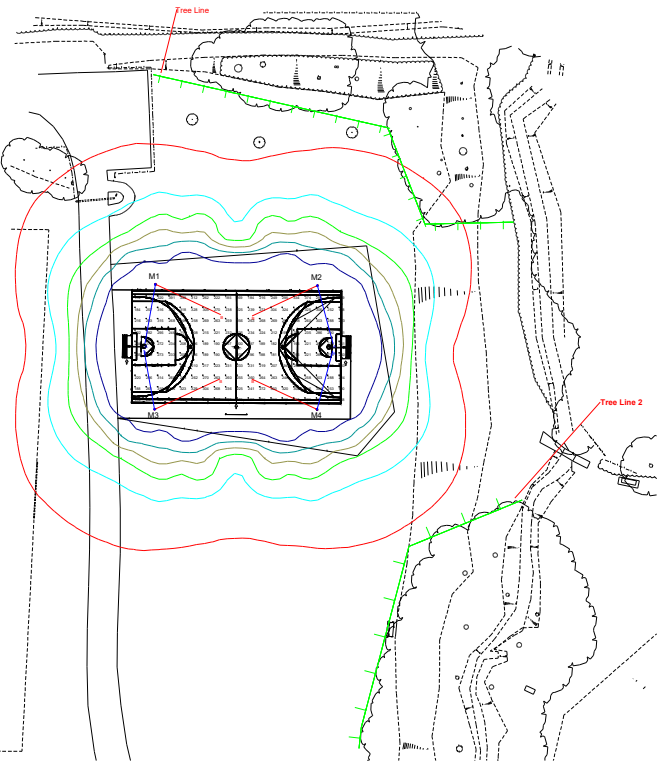
Notes:
This scheme has been designed based upon a flat and open area.
Shadowing from obstructions have not been taken into account.

Drawing converted from DWG file, please check dimensions
before ordering and installing.

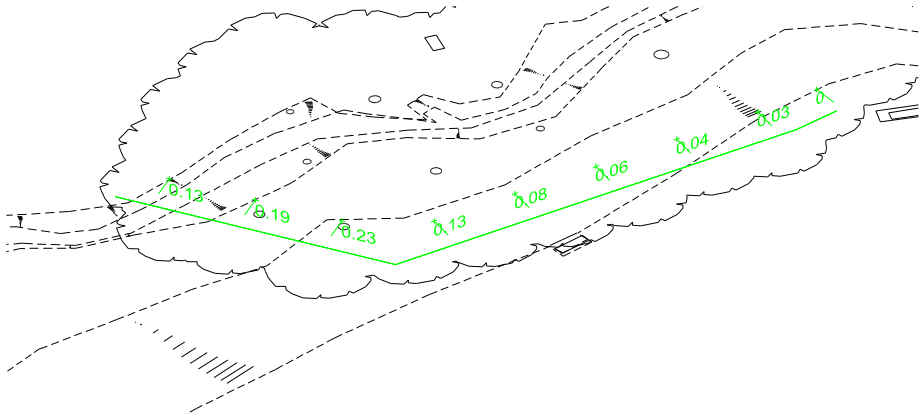
Initial levels shown on drawing.



Tree Line 1
Not to Scale



Basketball Court
Scale - 1:1000



Tree Line 2
Not to Scale

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Lighting Project: Thornbury Outdoor Basketball Court

Title: Horizontal Illuminance Levels

Design Ref: LS4069031-1E

Design By: Ryan Haughney

Date: 27/08/2025

Scale: As Stated @ A3

Revision(s) From Previous Design:

(MW) 1 - Moved basketball court.
(MW) 1B - Added in vertical calculation for tree Line.
(MW) 1C - labelled tree lines.
(RH) 1D - Added 3D views of tree lines.
(RH) 1E - Added decimals to tree line calculations.

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.