

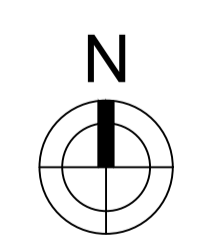
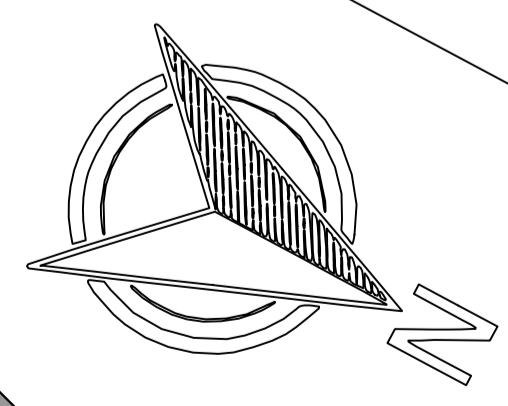
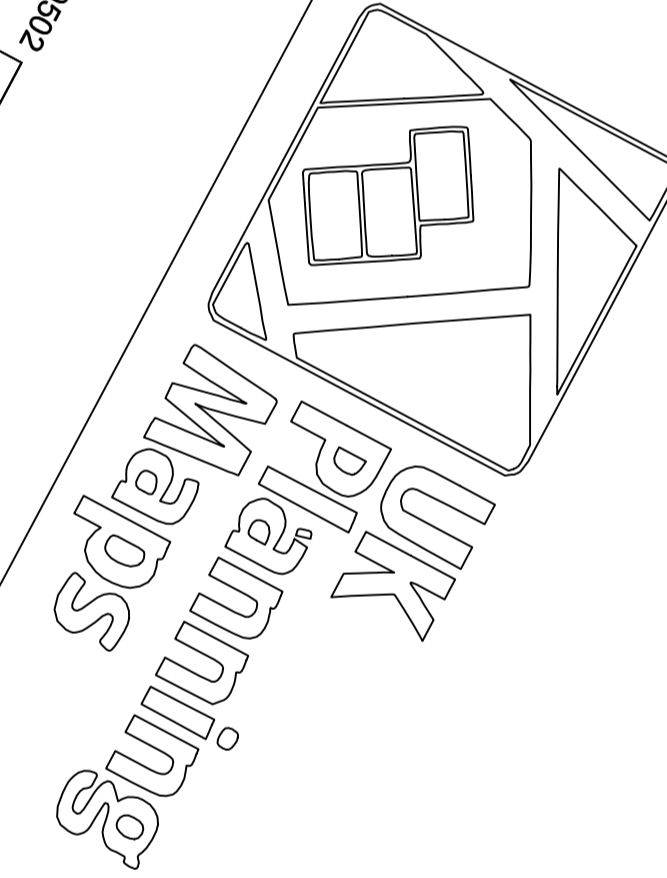
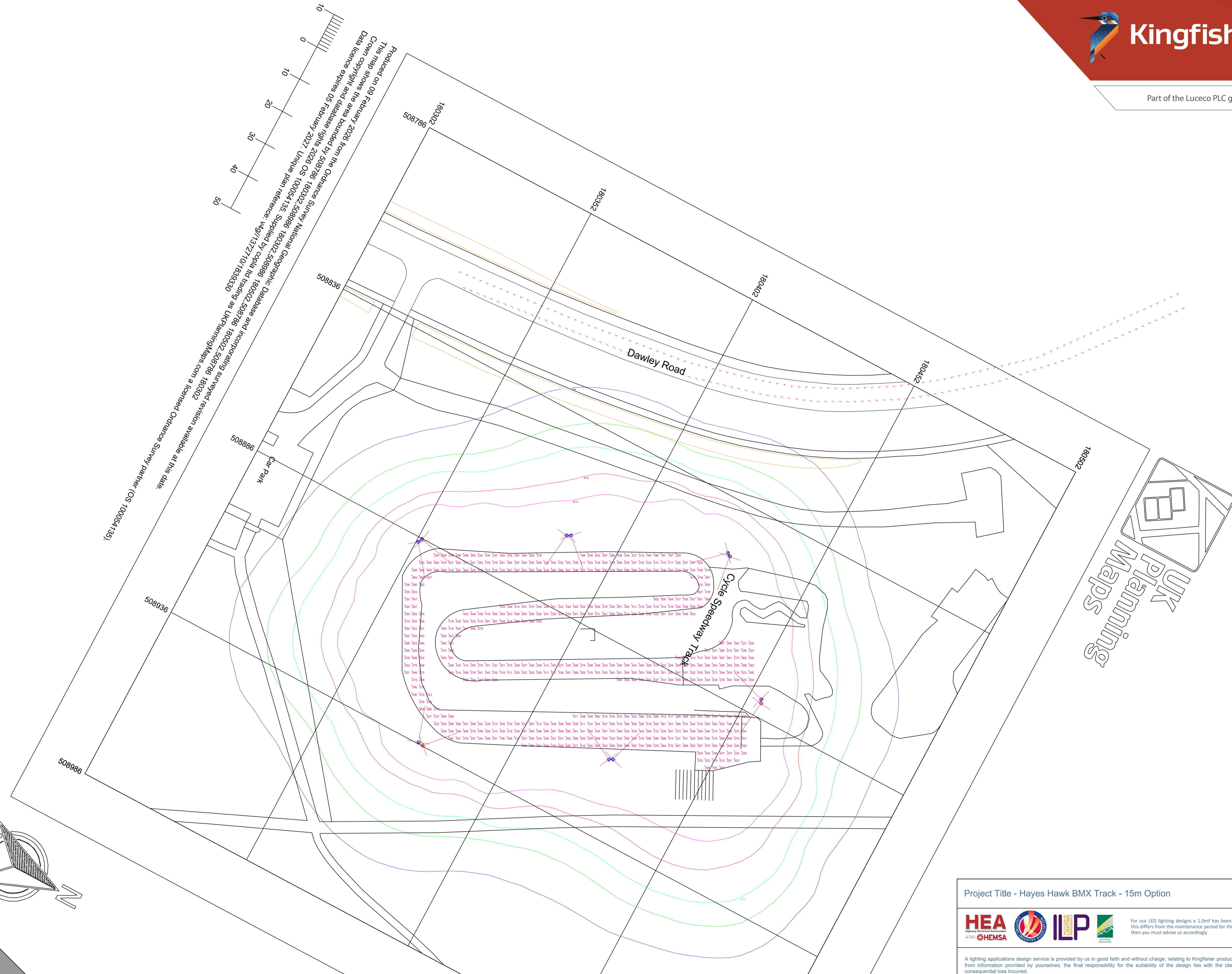
Dimensions are not to be scaled from this drawing



# Kingfisher Lighting

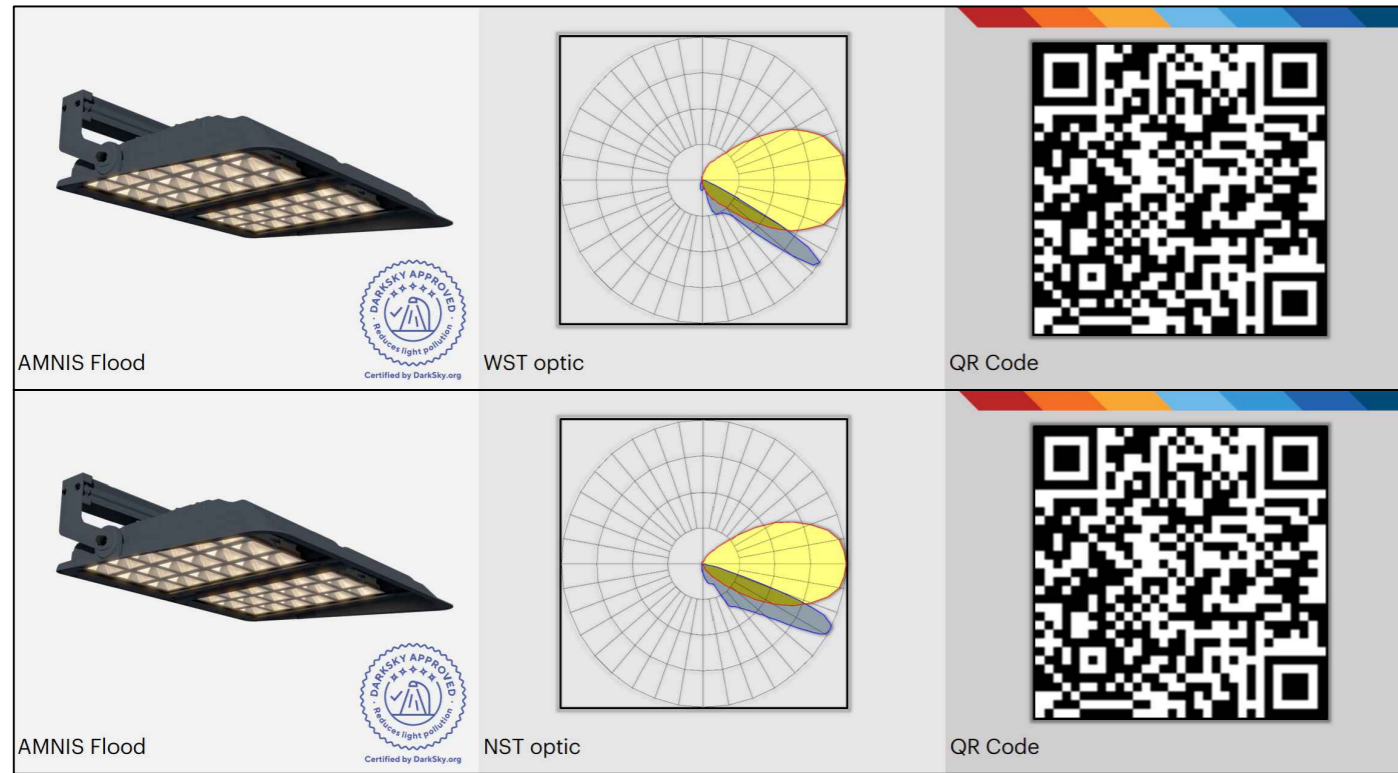
Part of the Luceco PLC group of companies **LUCECO**

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# A1

Project Title - Hayes Hawk BMX Track - 15m Option		Scale 1: 500at A1	Project Number 79927/53690
		Date 10/02/2025	Drawing No. Rev B
<p>For our LED lighting designs a 1.0mf has been used. If this differs from the maintenance period for this project then you must advise us accordingly</p>		Lighting Designer : RS	
<p>A lighting applications design service is provided by us in good faith and without charge, relating to Kingfisher products only. As such, whilst every endeavor is made for accuracy from information provided by yourselves, the final responsibility for the suitability of the design lies with the client. The company cannot, therefore, accept any liability or consequential loss incurred.</p>			



**Obtrusive Light - Compliance Report**  
 CIE 150:2017, E3-Medium District Brightness, Pre-Curfew  
 Filename: 53690 Rev B (15m Option) Hayes MBX Track  
 21/02/2025 13:15:30

**Threshold Increment (TI)**  
 Maximum Allowable Value: 15 %

Calculations Tested (2):

Calculation Label	Adaptation Luminance	Test Results
Dawley Road	10	<b>PASS</b>
Dawley Road_1	10	<b>PASS</b>

**Calculation Summary**

Project: TI

Label	CalcType	Units	Avg	Max	Min	Uniformity (Min/Avg)	Diversity (Min/Max)	Meter Type	Description
Dawley Road	Obtrusive - TI	%	0.00	0	0	N.A.	N.A.	Vert-Along	
Dawley Road_1	Obtrusive - TI	%	0.00	0	0	N.A.	N.A.	Vert-Along	

**Calculation Summary**

**Project: Horizontal Illuminance Levels**

Label	CalcType	Units	Avg	Max	Min	Uniformity (Min/Avg)	Diversity (Min/Max)	Meter Type
BMX Track	Illuminance	Lux	295.56	480	181	0.61	0.38	Horizontal
Overspill	Illuminance	Lux	58.86	494	0	0.00	0.00	Horizontal

**Luminaire Schedule**

Symbol	Qty	Label	Arrangement	Description	Luminaire L/W	UWLR	Light Engine	TM65 & TM66 Information
	10	LAF-WST-750-130	SINGLE	1300W LED 5000K AMNIS Flood with WST@ 15m New	147	0.00	5050 LED Array, 5000K, >70CRI, L85-B10	TM65 Embodied Carbon = 743kg CO <sub>2</sub> e - TM66 Circular Economy Score = 2.7 (2.5-4.0 Excellent Circularity)
	2	LAF-NST-750-130	SINGLE	1300W LED 5000K AMNIS Flood with NST@ 15m New	140	0.00	5050 LED Array, 5000K, >70CRI, L85-B10	TM65 Embodied Carbon = 743kg CO <sub>2</sub> e - TM66 Circular Economy Score = 2.7 (2.5-4.0 Excellent Circularity)



Project Title	Hayes MBX Track - 15m Option	Scale	NTS	Project Number	53690
Date	10 February 2026	Drawing No.	Rev B		
Lighting Designer		JC			

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