



Obrusive 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	PASS
Dawley Road_1	10	PASS

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 LWF	UWLR	Light Engine	TMS & TMS Information
[Symbol]	10	LAF-NST-750-150	SINGLE	1000W LED 5000K AMHS Flood with W570, 15m New	147	0.90	2000 LED Array, 5000K, >700RL, L85-810	TMS Embedded Carbon = 74kg CO ₂ e - TMS Circular Economy Score = 2.17 (2.5-4.0 Excellent Circularity)
[Symbol]	5	LAF-NST-750-150	SINGLE	1000W LED 5000K AMHS Flood with NST@ 15m New	140	0.80	5000 LED Array, 5000K, >700RL, L85-810	TMS Embedded Carbon = 74kg CO ₂ e - TMS Circular Economy Score = 2.17 (2.5-4.0 Excellent Circularity)

Calculation Summary

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

Project Title - Hayes Hawk BMX Track - 15m Option

Scale: 1: 500at A1 | Project Number: 53690

Date: 21 / 02 / 2025 | Drawing No.: Rev B

Lighting Designer: JC

HEA **HEMSA** **ILP**

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

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