

Luminaire Schedule			
Symbol	Qty	Label	LLF
	8	Invictus II 750 O1	0.890

Calculation Summary						
Project: Calculation Area						
Label	Units	Avg	Max	Min	Min/Avg	Min/Max
CalcPts_Green 1	Lux	255.95	385	192	0.75	0.50
CalcPts_Green 2	Lux	235.04	307	179	0.76	0.58

Calculation Summary	
Project: Glare	
Label	Max
GR_1	296
GR_1	10
GR_1	41
GR_1	13
GR_1	13
GR_1	39
GR_1	12
GR_1	43
GR_1	44
GR_1	41
GR_1	48
GR_1	39

Obtrusive Light - Compliance Report

AS/NZS 4282:2023, A3 - Medium District Brightness, Non-Curlew L1
Filename: Mount Lewis Bowling Club
15/10/2024 9:47:30 AM

Illuminance
Maximum Allowable Value: 10 Lux

Calculations Tested (10):		
Calculation Label	Test Results	Max Illum.
ObtrusiveLight_Eh_III_Seg1	PASS	5
ObtrusiveLight_Eh 2_III_Seg1	PASS	1
ObtrusiveLight_Eh 2_III_Seg2	PASS	2
ObtrusiveLight_Eh 2_III_Seg3	PASS	6
ObtrusiveLight_Eh 2_III_Seg4	PASS	2
ObtrusiveLight_Eh 2_III_Seg5	PASS	4
ObtrusiveLight_Eh 2_III_Seg6	PASS	3
ObtrusiveLight_Eh 2_III_Seg7	PASS	1
ObtrusiveLight_Eh 2_III_Seg8	PASS	4
ObtrusiveLight_Eh_1_III_Seg1	PASS	1

Luminous Intensity (Cd) At Vertical Planes
Maximum Allowable Value: 12500 Cd

Calculations Tested (10):	
Calculation Label	Test Results
ObtrusiveLight_Eh_Cd_Seg1	PASS
ObtrusiveLight_Eh 2_Cd_Seg1	PASS
ObtrusiveLight_Eh 2_Cd_Seg2	PASS
ObtrusiveLight_Eh 2_Cd_Seg3	PASS
ObtrusiveLight_Eh 2_Cd_Seg4	PASS
ObtrusiveLight_Eh 2_Cd_Seg5	PASS
ObtrusiveLight_Eh 2_Cd_Seg6	PASS
ObtrusiveLight_Eh 2_Cd_Seg7	PASS
ObtrusiveLight_Eh 2_Cd_Seg8	PASS
ObtrusiveLight_Eh_1_Cd_Seg1	PASS

Upward Waste Light Ratio (UWLR)
Maximum Allowable Value: 2.0 %

Calculated UWLR: 1.3 %
Test Results: PASS

Lighting system performance meets the minimum lighting criteria of AS2560.2 Sports Lighting - 200 lux

Uses 9 metre poles
Lights are mounted at 9 metres

Design is compliant with AS4282:2023 Obtrusive Light
Obtrusive Lighting is calculated at 1.0MF

Project Name
Mount Lewis Bowling Club.AGI

Project designed by: Stacey



Date:15/10/2024 Page 1 of 3

Legacy Lighting
158 Gray Street
Swan Hill VIC 3585
ABN 53 622 912 252



Lighting system performance meets the minimum lighting criteria of AS2560.2 Sports Lighting - 200 lux

Uses 9 metre poles
Lights are mounted at 9 metres

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Project Name

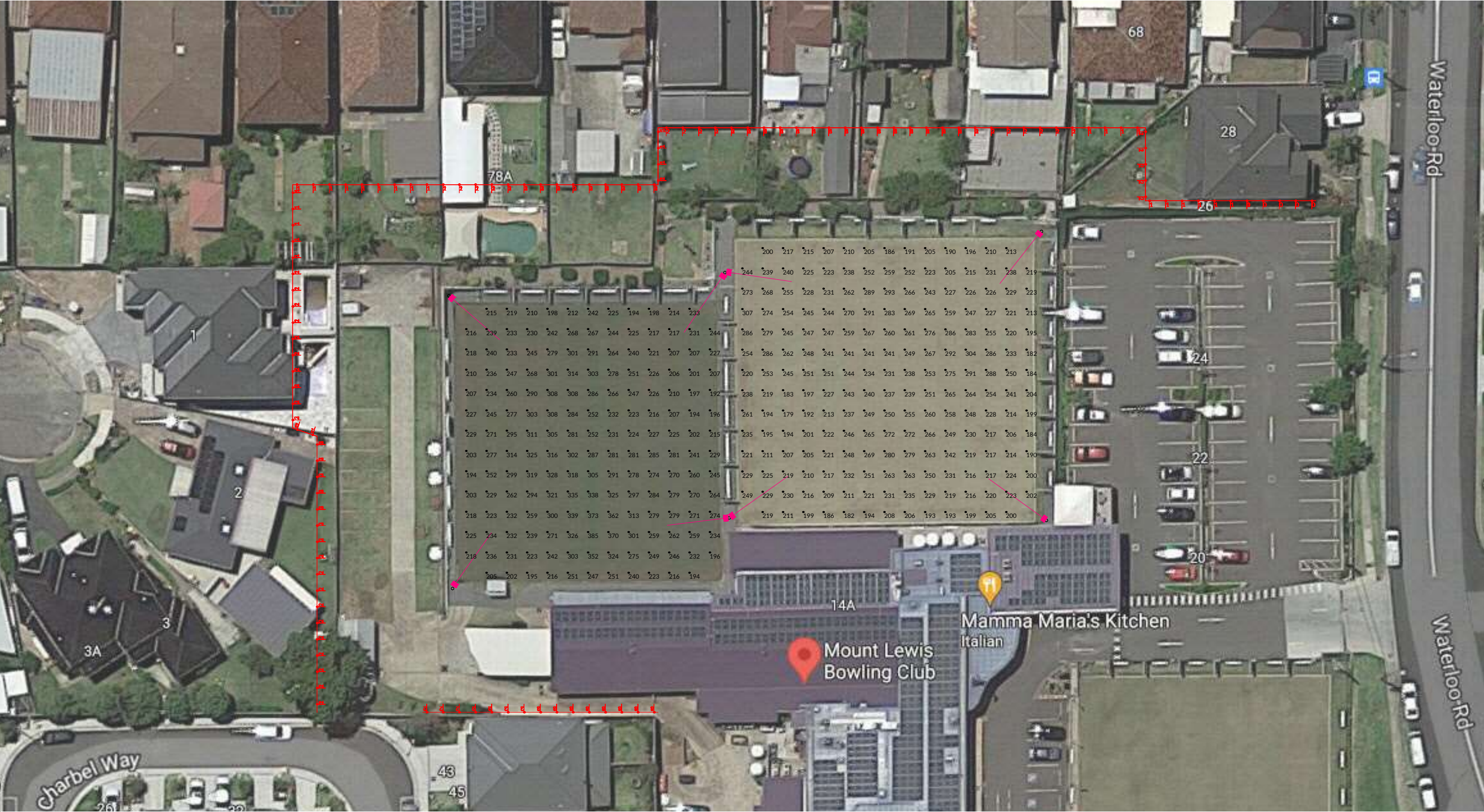
Mount Lewis Bowling Club.AGI

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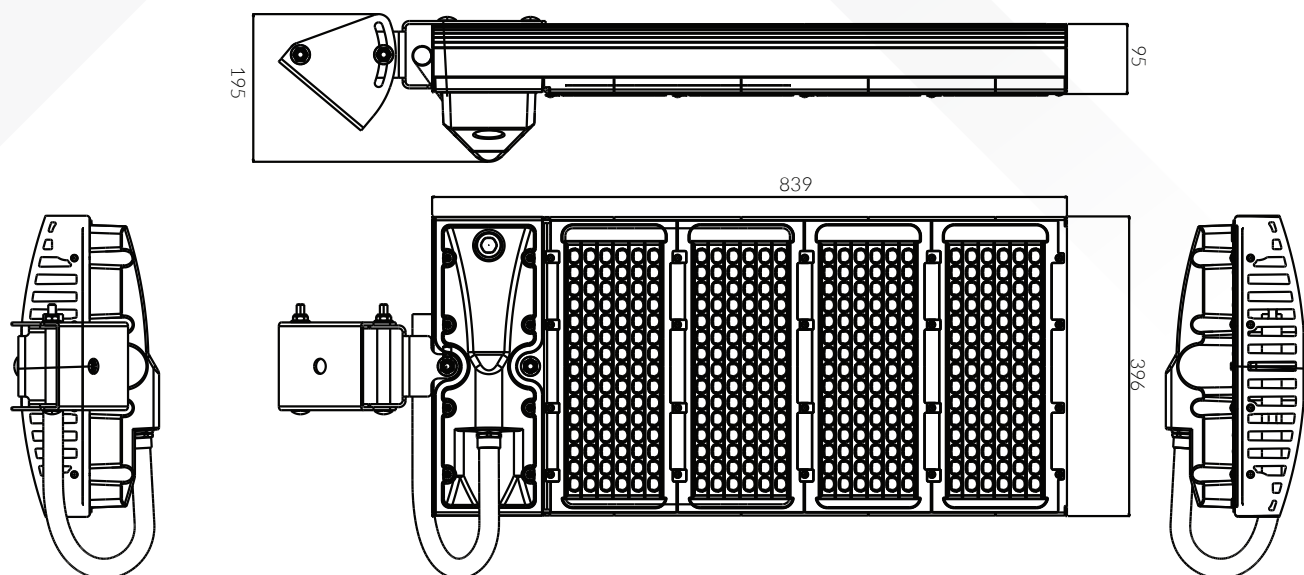


Date:15/10/2024 Page 3 of 3

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LEGACY INVICTUS 750 W - OPTIC 1

External Driver



Model No	INVICTUS 750
Input Power	750W
LED	3030 LED Chips
Lumen Output	140 lm/watt
Working Temp	-40°C - +50°C
Protection Class	IP66
Material	Aluminium Body
Size (excl handle)	839x396x95mm
Weight	19 kg
Lifespan	100,000 hours
Colour Temperature	4000 - 5000K
Input Voltage	200 - 415VAC, 50/60 Hz
CRI	70-90 Ra
Dim/RC (optional)	1-10V/DMX/DALI
Sail Area @ 40°	0.250
Warranty	10 Years
Country of Manufacture	Australia
Inrush Currents	@415V - 7.5A for 14ms/@240V - 3.5A for 14ms
Current Draw	@415V - 1.8A/@240V - 3.2A

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