



**PROJECT:** Ferri Rd Stonnington - 2 Poles

**Luxtronik**  **JASSTECH**  
SPORTS

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Scale	Size	Date	Designer	Drawing No:	Page 1 of 3
NTS	A3	31/05/2020	J. Albin REG.No:IES2739	350520_SOC/STO_BTR V2.0	
<b>Version Control</b>				<small>The nominal values shown in this report are the result of precision 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/or electrical supply. Tolerated differences are defined in EN-12193 clause 5.4 with a maximum of 10%.</small>	
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Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Ferrie Oval Field	Illuminance	Lux	138.83	207	71	0.51	0.34
ObtrusiveLight_3_C	Obtrusive Ligh	N.A.	N.A.	8467	241	N.A.	N.A.
ObtrusiveLight_3_I	Obtrusive Ligh	Lux	N.A.	2	1	N.A.	N.A.

Luminaire Schedule				
Symbol	Qty	Description	Lum. Watts	Total Watts
+	4	FLS-1250-30x30-P8	1350	5400
H	2	WDG-1250-MLR-5050	1305.5	2611
H	4	WDG-1250-FT-5050	1308.6	5234.4

Luminaire Location Summary						
LumNo	Z	X	Y	Tilt	X-Aimpt	Y-Aimpt
1	25	-30	24.5	44.779	-12.27	7.149
2	25	-30	24.5	18.592	-21.685	23.244
3	25	-30	24.5	53.715	-0.67	41.801
4	25	-29.5	-28	48.734	-4.229	-41.157
5	25	-29.5	-28	9.046	-25.539	-27.605
6	25	-29.5	-28	51.038	-5.318	-8.74
7	25	-29.727	24.298	63.846	19.667	36.632
8	25	-29.727	24.298	66.7	25.09	5.194
9	25	-29.552	-27.771	62.283	17.21	-36.581
10	25	-29.552	-27.771	66.324	23.904	-7.94

THE LIGHTING DESIGN COMPLIES WITH: AS2560.2.3  
 - AMATEUR TRAINING;  
 \* 50 LUX; EhMin/Ave. = 0.3

\* Design calculations use a Maintenance Factor of 0.85 (Actual 0.848) based on the below quantification.

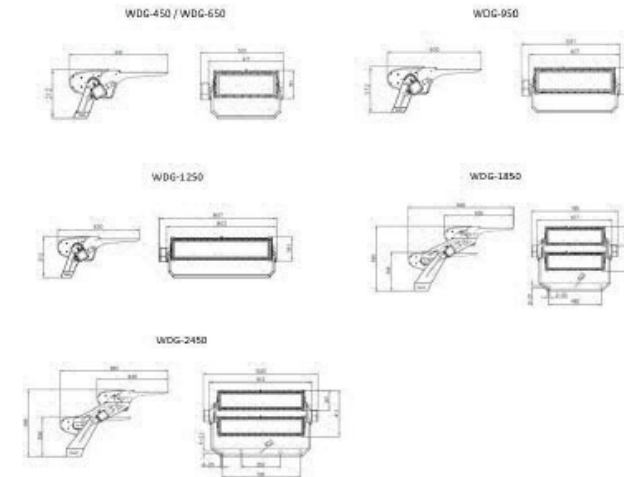
LDD = 0.87 (Based on IP6\*, medium pollution and 36mth cleaning cycle per AS2560.1-2002 table 4.  
 LLD = 0.975 (L90 B10 is based on Initial startup of 97.5% at 20,000hrs)  
 This means that initial illumination will be higher than required by the standard.

\* Luminaires can be dimmed, via internal wireless controls. for all Levels of play and training.

NOTES:  
 - Pole positions to be confirmed prior to commissioning



Dimensions



### Obtrusive Light - Compliance Report

AS/NZS 4282:2019, A3 - Medium District Brightness, Non-Curfew L1  
 Filename: Ferrie Oval 100 Lux Stonnington 2 POLE OPTION  
 31/05/2020 11:36:00 AM

#### Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (1):

Calculation Label	Test Results	Max. Illum.
ObtrusiveLight_3_Ill_Seg1	PASS	1

#### Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value: 12500 Cd

Calculations Tested (1):

Calculation Label	Test Results
ObtrusiveLight_3_Cd_Seg1	PASS

	Model			
	WDG-450	WDG-650	WDG-950	WDG-1250
Dimensions mm (LxBxH)	531x630x312	661x630x312	661x630x312	897x630x312
Mass (kg)	10.5	11	13	23
Wattage	450	650	950	1250
Front Windage (m²)	0.092		0.119	0.167
Side Windage (m²)	0.074			
Luminous Flux	51500	74500	108000	143,500
Lumens/W	115			
CRI	80			
IP Rating	IP65			
Operating Temp °C	-40° to +45°			
<b>Driver Detail</b>				
Dimensions mm	250 x 120 x 50	Dual Driver in 3 Configuration Options		
Mass (kg)	3.3	4.8	7.5	
Input Voltage (V)	100VAC-277VAC OR 249Vac-523Vac			
Max Current (A)	4.5A OR 2.5A			
Power Factor	>0.96			
Input Surge Protection	6kV line-line, 10kV line-earth			
Dimming options	0-10V/PWM/Timer Dimmable (3 Timer Modes)			
Standby in Dimming mode	Standby Power ≤ 1.5 W			
Protection	Over Voltage, Short Circuit, Thermal Sensing and Protection for LED Module			
IP Rating	IP67			
Manufacturer Warranty	5 Years			

SEE LUMINAIRE DATASHEETS FOR MORE DETAIL

### FIELD MARKING IS AN ESTIMATE - CLUB TO CONFIRM

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