

THIS DESIGN HAS NOT BEEN ACHIEVED TO MEET THE REQUIREMENTS OF ANY AUSTRALIAN SPORT **LIGHTING STANDARD.**

THIS DESIGN HAS BEEN PRODUCED AS PER THE REQUESTS OF THE CLIENT. THE CLIENT REQUESTED A MINIMUM HORIZONTAL POINT ILLUMINANCE AT GROUND LEVEL OF Eph=50ix (surf lagoon only).

Project: F	oods												
Symbol	Qty	Label	Arrangement	LLF	Description	To	otal Watts	Lum. Lumens	Arm	CIE T	уре	IES Clas	5
	15	Ra3	SINGLE	0.800	SR4H840A2 4000K CRI80 Flat Glass	19	200	113956	0	Direct	t	Type III	
	15	Ra3b	SINGLE	0.800	SR4H840A2 with Baffle	19	186.5	107018	0	Direct	t	Type III	
or warranty of any kind. T	gn inputs assumed by us e accuracy of the value such as actual luminaire y voltage, local luminai urniture, etc. These resul ametric tolerances, and titing provides this calcul te Company shall be un	, as detailed in this as will differ due to positioning, room ite ambient ts are also subject to calculation/program ation without any representation det no liability to the				Rev3 Rev2	08.03.2017 07.03.2017	Revised design based on clients Revised design based on clients	-		AP AP		
Customer for failure to at performance of the Goo and any such written guo	is supplied is specifically	guaranteed in writing,				Rev1	02.02.2017	Changed pole height, location &	lux level.		AP		
manufacturing variations						Rev:	Date:	Comment:			Bv:	Chkd:	App

Design Notes

For further calculations or details please consult your GPS representative.

A maintenance factor of 0.8 has been applied to all IP6x luminaires. A maintenance policy should be adopted to support the maintenance factor of 0.80.

Mounting height MH - refers to the height above the pool surface from the luminaire.

Obstructions such as fences HAVE NOT BEEN INCLUDED in this lighting calculation.

AS4282 1997 - "Control of the obtrusive effects of outdoor lighting" LIGHT TECHNICAL PARAMETERS - Pre-curfew hours -> Ev Residential Areas - 10 lux maximum -> Luminous Intensity Emitted - Level 2 control -> Threshold Increment - 20% maximum

DESIGN ASSESSMENT - Street lights & floods SWITCHED ON Vertical spill illuminance has been calculated on the boundaries as shown from 0m to 25m above ground level (1 x 1m increment grid). The maximum calculated vertical illuminance with floods switched on is 0.5lux maintained (0.625lux initial).

The maximum luminous intensity emitted per luminaire has been assessed using a large controlling dimension of >75 metres. The maximum elevation used in the design results in a maximum luminous intensity within Level 2 control limits.

Threshold increment has been calculated on the roadways. The maximum TI calculated is 11.6% based on an assumed roadway adaptation luminance of 1.0 cd/m2.

This represents a CONCEPT DESIGN ONLY; site and pole locations must be confirmed prior to installation.

ASSUMPTIONS: design using a 50% transmittance factor.

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Vegetation on Hill Rd (North boundary) has been included in the lighting

roject:	URBNSURF Sydney		Rev:	Scale:				
			3	1:1500 / A3				
itle:	50lux min	Designer: Date:		Page No:				
	MH=25m	AP	3/9/2017	Page 1 of 2				
lient:	WAVEPARK Group	Document No:						
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