

SECTION J6 CALCULATIONS SHEET - Class 3 & 5-9

Project: **80 Prinsep Street, Norseman**
 Subject: **BCA Section J6 Calculations**
 Date: 22/10/2018
 Reference drawings: Electrical Services - NJM Design - E01-E04
 Checked By: KCK
 No. Sheets: 1
 Status: **Tender**
 Job No: **5460**



The Aggregate Illumination Power Load of the lighting in the nominated areas are lower than the allowable Power Density nominated in the BCA.NJM confirms the installation comply with section J6 of the NCC 2016

Room Data			Luminaire Count						Proposed Power		Maximum Allowance (Table J6.2a)					Future Allowance		
Building / Floor Level	Area Name	Area (m2)	F2	F3	F4	G1	G2	G3	Proposed Illumination Power Load (W)	Proposed Illumination Power Density (W/m2)	Allowable Power Density (W/m2)	Total Power Density (W)	Room Aspect Adjustment Factor	Control Adjustment Factor Type	Control Adjustment Factor	Allowable Power Illumination Density	Additional Power Allowance (W)	Additional Power Allowance (%)
			(29.0W)	(20.0W)	(38.0W)	(14.0W)	(9.0W)	(12.0W)										
Ground	Toilet	34.4						12.0	108	3.1	6	206	0.50	None	1.00	413	305	282%
	Office	24.2			4.0				152	6.3	7	170	0.50	None	1.00	339	187	123%
	Storage	12.5		3.0	1.0				98	7.9	7	87	0.50	None	1.00	174	76	78%
	Boardroom	31.3			4.0				152	4.9	10	313	0.50	None	1.00	626	474	312%
	Kitchen	30.0	6.0						174	5.8	8	240	0.50	None	1.00	480	306	176%
	Tourist Info/Gallery	263.7				21.0		24.0	582	2.2	8	2110	0.50	None	1.00	4219	3637	625%
	Reception	9.7				3.0			42	4.3	6	58	0.50	None	1.00	116	74	177%
	Corridor					6.0			84	0.0	8	0	0.50	None	1.00	0	-84	-100%
		TOTAL	405.8	6	3	9	30	12	24	1392						6368.0		

Pass 22%