



Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	52	L1	SINGLE	3434.1	0.650	HJR Lighting HJRPANEL-312-45W-4K 1200x300 45w LED Panel 4000K
	16	L2	SINGLE	2300	0.650	HJR Lighting HJRPANEL-306-25W-4K 600x300 25w LED Panel 4000K
	6	P1	SINGLE	1	0.650	HJR Lighting HJRUD12 2 x 6w LED Wall Mounted Up / Down
	28	ST	SINGLE	1400	0.650	HJR Lighting HJRLED-102-128-2835-WW LED Strip Surface Mounted at 2400mm
	17	S2	SINGLE	1400	0.650	HJR Lighting HJRLED-102-128-2835-WW LED Strip Suspended at 2400mm
	85	DL	SINGLE	827.2	0.650	HJR Lighting HJRDECO-13-WW 13w LED Recessed Downlight
	8	DL-W	SINGLE	827.2	0.650	HJR Lighting HJRSP13 13w LED Recessed Wallwasher
	56	SM	SINGLE	2750	0.650	HJR Lighting HJRNEO-SM-35W-WW 35W LED Can Downlight

LPD Area Summary			
Label	Area	Total Watts	LPD
Building Internal Walls_LP	1314	7393.604	5.627

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Min/Avg
B01 Entry Open Stair	Illuminance	Lux	132.44	209.3	88.6	0.67
B02 Workspace at 700mm AFFL	Illuminance	Lux	300.68	605.1	90.5	0.30
B03 Meeting Room at 700mm AFFL_Workplane	Illuminance	Lux	157.23	164.1	144.8	0.92
B10 Workspace at 700mm AFFL	Illuminance	Lux	406.95	489.4	328.2	0.81
B11 Brainstorming Room	Illuminance	Lux	138.74	263.4	89.4	0.64
B12 Meeting Room at 700mm AFFL_Workplane	Illuminance	Lux	143.46	168.5	98.0	0.68
B13 Workspace at 700mm AFFL	Illuminance	Lux	332.15	495.1	74.1	0.22
B14 Open Meeting at 700mm AFFL	Illuminance	Lux	463.62	543.3	376.7	0.81
B15 Workspace at 700mm AFFL	Illuminance	Lux	186.66	328.7	107.1	0.57
B17 Workspace at 700mm AFFL_1	Illuminance	Lux	390.86	554.3	135.4	0.35
B18 Chill Out Zone	Illuminance	Lux	168.06	210.4	110.8	0.66
B19 Chill Out Zone	Illuminance	Lux	192.64	295.6	100.4	0.52
B20 Workspace at 700mm AFFL	Illuminance	Lux	420.28	517.1	301.0	0.72
B21 Boardroom	Illuminance	Lux	245.61	368.4	150.6	0.61
B22 Workspace at 700mm AFFL	Illuminance	Lux	273.39	560.2	70.0	0.26
J13	Illuminance	Lux	204.27	358.3	159.2	0.78

NOTE
THIS DRAWING IS INTENDED TO CONVEY THE DESIGN CONCEPT ONLY. IT IS EXPECTED THAT THE DESIGN WILL BE FURTHER DEVELOPED.
THIS DESIGN IS BASED ON THE LIMITED INFORMATION PROVIDED AND MUST BE REVIEWED AND INTERPRETED INTO THE BUILDING DESIGN BY THE ELECTRICAL ENGINEER AND ELECTRICAL CONTRACTOR.
ILLUMINATION AND LIGHTING UNIFORMITY HAS BEEN BASED AROUND THE RELEVANT SECTIONS OF AS/NZS 1680.2:1:2008 CIRCULATION SPACES. THIS DESIGN DOES NOT COMPLY IN SOME AREAS.
THE ILLUMINATION LEVELS SHOWN ARE HORIZONTAL MAINTAINED AT FLOOR LEVEL AND 700MM ABOVE FLOOR LEVEL WHERE NOTED.
THE LIGHT LOSS FACTOR USED WAS CALCULATED TO COMPLY WITH AS/NZS 1680.4:2001.
- CLEANING OF LUMINAIRES AND ROOM SURFACES IN A NORMAL ENVIRONMENT EVERY 24 MONTHS.
- L70 LED OUTPUT (50,000 HOURS APPROX)
- SPOT REPLACEMENT OF FAILED LAMPS
TOTAL ILLUMINATION POWER DENSITY DOES NOT EXCEED THE MAXIMUM VALUES NOMINATED IN SECTION 16 OF THE BUILDING CODE CODE OF AUSTRALIA.
COMPLIANCE WITH SPILL LIGHT AS/NZS 4282 HAS NOT BEEN EVALUATED.
COMPLIANCE WITH THE EMERGENCY AND EXIT SIGN STANDARD AS/NZS 2293 HAS NOT BEEN EVALUATED.
PHOTOMETRIC DATA SUPPLIED BY MANUFACTURER. LIGHTING CALCULATION SOFTWARE USED IS AG32 - 19.0
PLEASE ENSURE LIGHTING LEVELS ARE AS EXPECTED.

20/04/2018	Preliminary Lighting Design for HJR Lighting	RA		 HJR LIGHTING PTY LTD Unit 2 / 67 Menangle Street Picton NSW 2571	 RAND LIGHTING SERVICES PTY LTD (ABN 48244398214) 23 Marianna Street Mansfield Qld 4122 Mobile - 0400 593787	NOTES	PROJECT: ENDEAVOUR ENERGY PROJECT ARK	TITLE: LIGHTING LAYOUT - BASEMENT	Date	12th July 2018	Drawn	RA			
23/04/2018	Added Types W-L1	RA	REV (1)						Scale	Checked					
1/05/2018	Removed Calculation Points - Added J13 Classification	RA	REV (2)						Job No.	HJR/NA16	Design	HJR/NA16			
	Removed S3 Denomination from Drawing	RA	REV (2)						Ref No.		Drawing No.		Revision	(5)	Updated
	Added Type SM to Atrium - Centered Type DL to Grid	RA	REV (2)												
9/05/2018	Additions and Deletions as per request. NA	RA	REV (3)												
9/05/2018	Changed SM to S1 in B22 Workspace	RA	REV (4)												
12/07/2018	Changes per Architect Request	RA	REV (5)												
12/07/2018	Update to Revision (5)	RA	REV (5) Up Dn												