

Switchboard design pack

Demo plan

Generated on	23/10/2026
Standard	AS/NZS 3000
Strategy	Balanced
Enclosure	3 rows × 13 modules

7	2	2	3	3	67 %
CIRCUITS	OUTLETS	LIGHTING	DEDICATED	RCDS	SPARE

No blocking issue detected

2 points to check listed at the end of this document, numbered and linked to the circuits concerned.

Panel layout

13 of 39 modules used · 26 free (67% spare)

Row 1	RCD01 · 30 mA RCD type A · 40 A										8 free modules
RCD01 A · 40 A 30 mA	DED02 32 A 6 mm ²	LTG02 10 A 1.5 mm ²	PWR01 20 A 2.5 mm ²								
Row 2	RCD02 · 30 mA RCD type A · 40 A										8 free modules
RCD02 A · 40 A 30 mA	LTG01 10 A 1.5 mm ²	DED01 20 A 2.5 mm ²	DED03 20 A 2.5 mm ²								
Row 3	RCD03 · 30 mA RCD type A · 40 A										10 free modules
RCD03 A · 40 A 30 mA	KIT01 20 A 2.5 mm ²										

Circuit schedule

Grouped by RCD — references match the panel labels

REF.	DESCRIPTION / AREAS	EQUIPMENT	MCB	CABLE	LOAD	NOTES
RCD01 — 30 mA RCD type A · 40 A					Row 1 · 3 circuits	
DED02 Dedicated	32A cooktop outlet Ground floor · Kitchen	32A cooktop outlet	32 A	6 mm ² 1P+N	—	
LTG02 Lighting	Kitchen Ground floor · Kitchen	Ceiling light point	10 A	1.5 mm ² 1P+N	1 / 20	
PWR01 Outlets	Living room, Bedroom 1 and Bedroom 2 Ground floor · Living room, Bedroom 1, Bedroom 2	2 × Double power point, 4 × Single power point	20 A	2.5 mm ² 1P+N	8 / 20	
RCD02 — 30 mA RCD type A · 40 A					Row 2 · 3 circuits	
LTG01 Lighting	Living room, Bathroom, Bedroom 1, Bedroom 2 and Hallway Ground floor · Living room, Bathroom, Bedroom 1, Bedroom 2, Hallway	Main living light, 2 × Recessed spotlight, 2 × Ceiling light point, Bedroom 1, Bedroom 2	10 A	1.5 mm ² 1P+N	7 / 20	2
DED01 Dedicated	20A power point Ground floor · Kitchen	20A power point	20 A	2.5 mm ² 1P+N	—	
DED03 Dedicated	Dedicated 16A power point Ground floor · Bathroom	Dedicated 16A power point	20 A	2.5 mm ² 1P+N	—	

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REF.	DESCRIPTION / AREAS	EQUIPMENT	MCB	CABLE	LOAD	NOTES
RCD03 — 30 mA RCD type A · 40 A					Row 3 · 1 circuit	
KIT01 Kitchen outlets	Kitchen Ground floor · Kitchen	Double power point	20 A	2.5 mm ² 1P+N	2 / 20	

Points to check

0 blocking · 2 to check — numbers match the “Notes” column of the schedule

1	Australia / New Zealand: model checked against base AS/NZS 3000:2018; amendments A1–A3 and local rules remain unverified. In NZ, the 2018 edition with A1–A3 is mandatory for work begun after 12 November 2026.					TO CHECK
	APPLIES TO	The whole installation				
	ACTION	Have a licensed electrician check the consolidated amendments and local requirements before installation.				
2	Unknown spot/LED power: counted as 1 point.					TO CHECK
	APPLIES TO	• LTG01 — Living room, Bathroom, Bedroom 1, Bedroom 2 and Hallway : 7 / 20 points · 2 × Recessed spotlight (Living room)				
	ACTION	Enter the actual spot/strip power, then check the circuit load.				