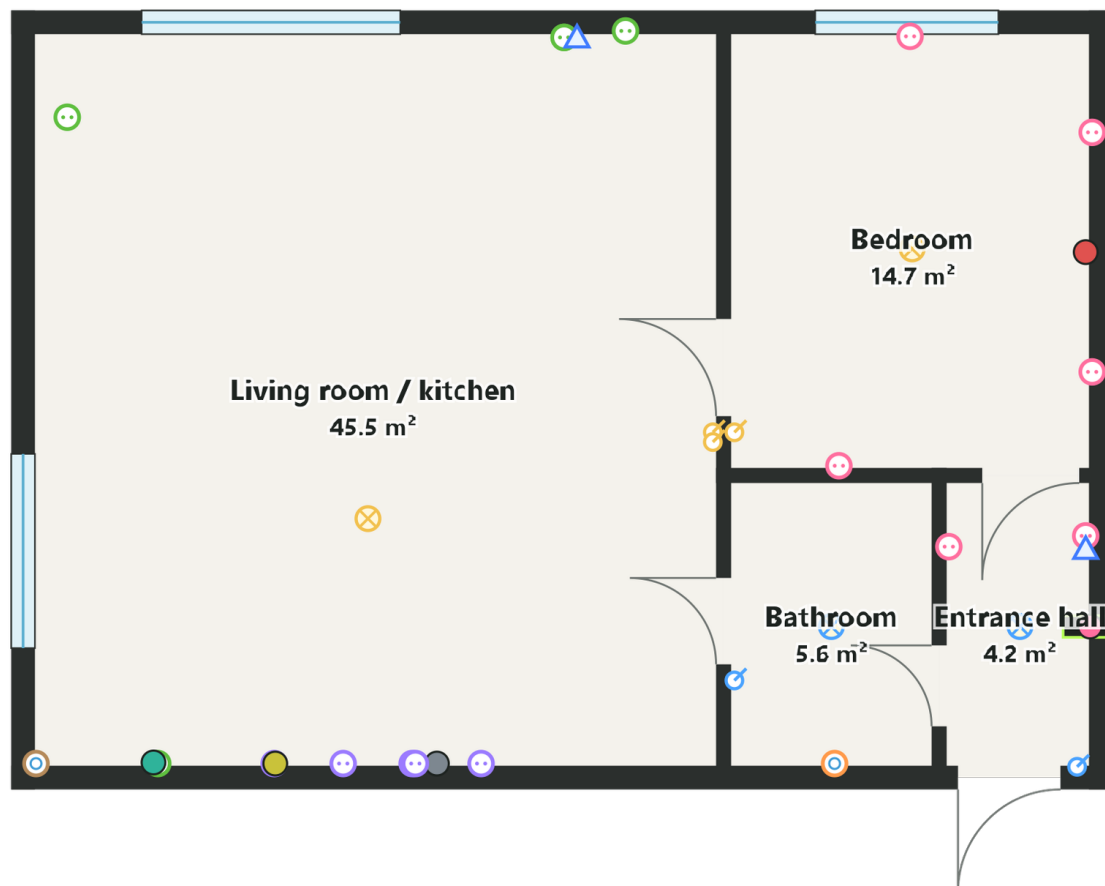


Electrical supply

ЭМ-1 · Equipment points and board circuits

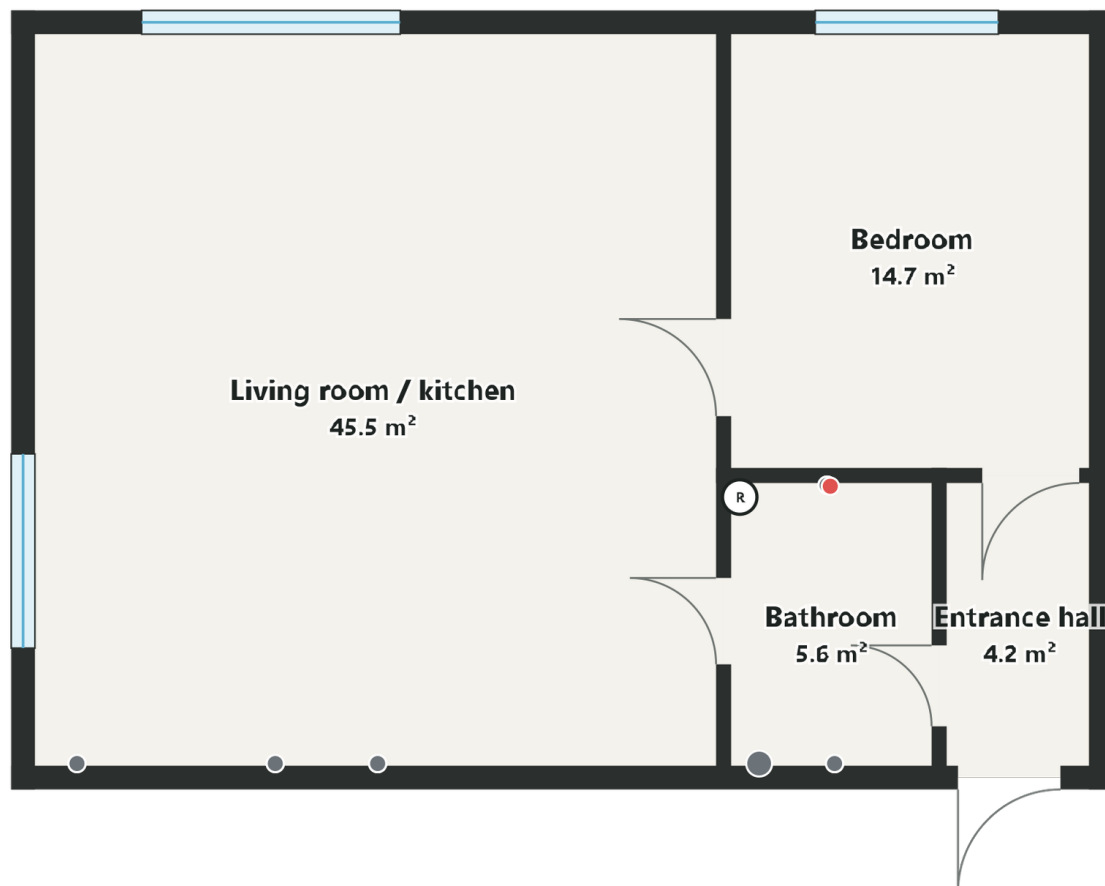


Legend: DB = apartment distribution board; circle with two dots = socket; circle with cross = light; slash = switch; triangle = network outlet. Point colours identify circuits. Circuit parameters are on a separate sheet.

The diagram is built from the demo apartment's digital model. Geometry and points come from the application; implementation and approval for a specific property are handled separately.

Water supply and drainage

BK-1 · Water, drainage and riser connection points

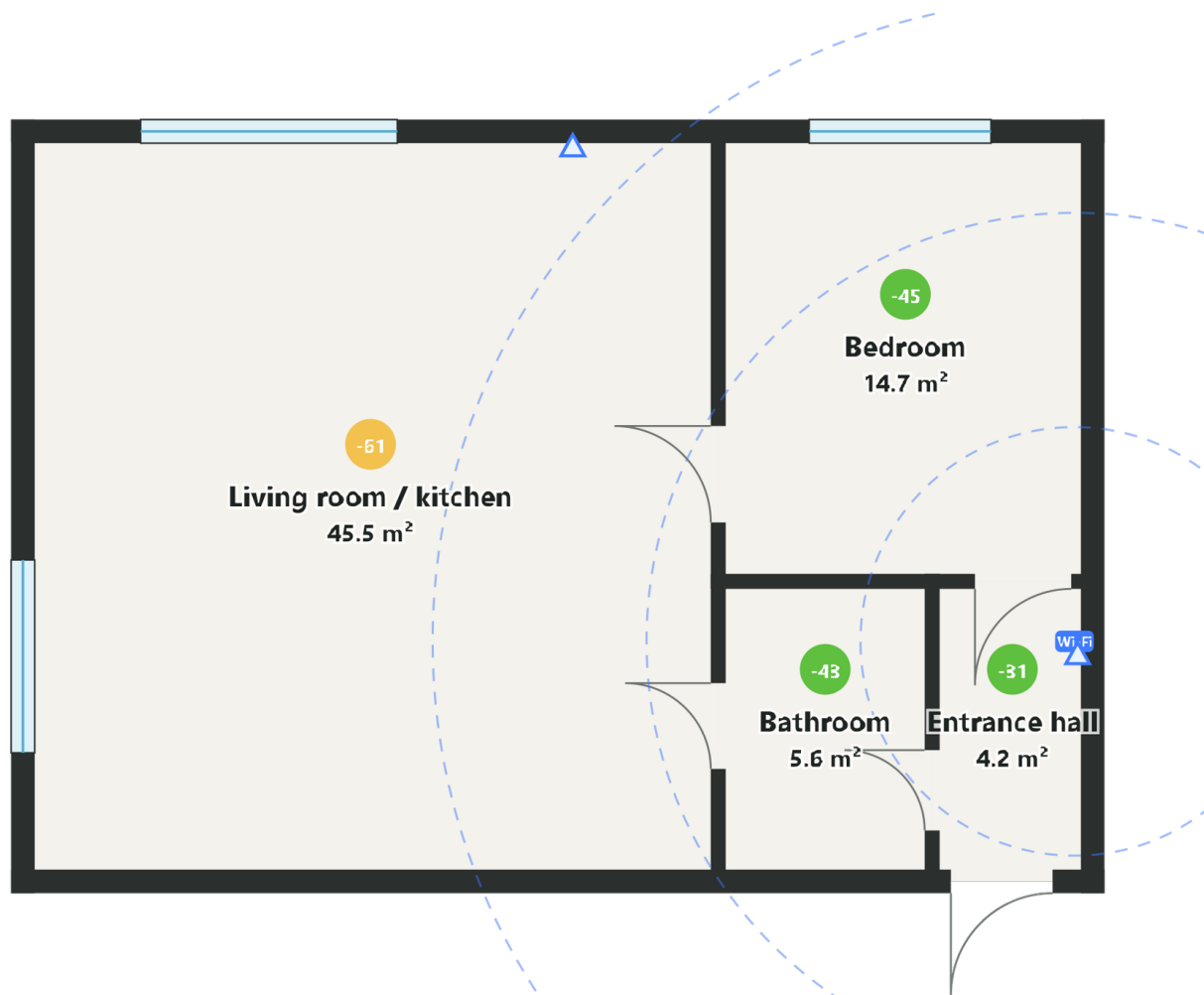


Legend: blue = cold water; red = hot water; grey = drainage; R = riser. Connection points are shown; routes and installation dimensions require separate approval.

The diagram is built from the demo apartment's digital model. Geometry and points come from the application; implementation and approval for a specific property are handled separately.

Low-voltage networks

CC-1 · Network outlets and estimated Wi-Fi coverage



Legend: triangle = network outlet; dashed line = estimated Wi-Fi coverage. Actual coverage is checked against walls, interference and selected equipment.

The diagram is built from the demo apartment's digital model. Geometry and points come from the application; implementation and approval for a specific property are handled separately.

Electrical.

Board circuits

ЭМ-2 · demo calculation parameters

Plan points are linked to circuits QF1–QF12. Cables, lengths and protective devices come from the application's engineering module.

Circuit	Purpose	Cable	Breaker, A	Length, m	Protection
● QF1	Lighting: living room / kitchen, bedroom	ВВГнг(А)-LS 3×1,5	10	26	Circuit breaker
● QF2	Lighting: bathroom, entrance hall	ВВГнг(А)-LS 3×1,5	10	18	Circuit breaker
● QF3	Sockets: living room / kitchen	ВВГнг(А)-LS 3×2,5	16	33	Circuit breaker
● QF4	Sockets: bedroom, entrance hall	ВВГнг(А)-LS 3×2,5	16	25	Circuit breaker
● QF5	Kitchen: work area and built-in appliances	ВВГнг(А)-LS 3×2,5	16	17	Circuit breaker
● QF6	Bathroom: moisture-protected sockets and connections	ВВГнг(А)-LS 3×2,5	16	8	RCBO
● QF7	Inverter air conditioner	ВВГнг(А)-LS 3×2,5	16	14	RCBO
● QF8	Inverter air conditioner	ВВГнг(А)-LS 3×2,5	16	7	RCBO
● QF9	8 kg washing machine	ВВГнг(А)-LS 3×2,5	16	16	RCBO
● QF10	Induction hob	ВВГнг(А)-LS 3×10	40	13	RCBO
● QF11	Built-in oven	ВВГнг(А)-LS 3×2,5	16	13	RCBO
● QF12	45 cm built-in dishwasher	ВВГнг(А)-LS 3×2,5	16	15	RCBO

RCBO: residual-current circuit breaker with overcurrent protection. The calculated lengths and equipment in this example do not replace engineering approval for a specific property.