

**NET-ZERO
NEW HOUSE
COMMENDATION**



The White House uses a modular kit-of-parts approach that leverages 'tried and tested' space planning elements, functional relationships, and buildability to keep construction affordable. Planning arrangements separate the living and sleeping spaces well and provide a good relationship to northern outdoor living spaces.

The jury commends the planning for its long-life-loose-fit sensibility and affordability of this well-conceived home. The 8.4star home performs very effectively using sound architectural principles of good orientation, air-leakage sealing, insulation, thermal mass, cross ventilation and an 8kW solar system and battery that generates more energy than the family can use in this net-positive home.

The White House represents well considered liveability and is an affordable and modest low carbon exemplar for a larger Canberra family requiring four bedroom plus study and two living spaces.

**LIGHT HOUSE ARCHITECTURE AND SCIENCE
WHITE HOUSE | 1 STOREY**



With excellent solar passive and cross ventilation potential, building a new home designed for the site and climate was the best decision. The home was designed using our modular design process that combines the efficiencies of 'off-the-plan' with the sensibilities of 'bespoke design'. The result is an all-electric, energy efficient and super comfortable, flexible home for a family of five. Far exceeding predicted heating and cooling loads this 8.4 star home uses less than 10% of the total energy consumption of a typical dual-fuel (electricity + gas) ONE-person Canberra household. The 8kW PV system + battery generates (and stores) far more energy than this family can use.

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247SQM
HOUSE/CAR
- 
8.4 STAR
ENERGY EFFICIENCY
- 
8kW
ROOFTOP SOLAR
- 
RECYCLED
MATERIAL
- 
LOW
WATER
- 
THERMAL MASS
- 
LOW ENERGY
APPLIANCES
- 
LOW EMBODIED
MATERIALS
- 
AIRTIGHTNESS
INSULATION
- 
FLEXIBLE DESIGN
- 
SOLAR PASSIVE
DESIGN
- 
LANDSCAPING
AND SHADE

**CANBERRA
LOW CARBON HOUSING
CHALLENGE**

≥119%
improved

OUTSTANDING

GLOBAL WARMING POTENTIAL

