

LS-R1: Outdoor Thermal Comfort Strategy

Intent To increase outdoor thermal comfort during transition months in public open/recreation spaces and streetscapes, and reduce thermal discomfort during summer months.

Credit Requirements

GENERAL

Demonstrate that an outdoor thermal comfort strategy has been developed to identify primary, secondary and tertiary pedestrian walkways, and priority areas for shading to improve the public realm's microclimate.

Shade measures (natural or structural) must be provided in all applicable spaces and achieve the following minimum % shading:

Table LS-R1a: Minimum shading requirements

Public Realm Space	Minimum % shading	
	Interim Shade Provision Shade measured at 5 years growth after planting (applies only to natural shading)	Final Shade Provision Shade measured at maturity (applies to both natural and structural shading)
Exterior Surface Car Parking with more than 10 spaces (including parking on roof surfaces)	40%	
Bicycle Parking Spaces	90%	
Seating areas	30%	70%
Playgrounds	90%	
Primary Pedestrian Walkways (based on 1.8m width within the through zone)	35%	75%
Secondary Pedestrian Walkways (based on 1.8m width) within the through zone)	25%	60%
Tertiary Pedestrian Walkways	0%	
Cycle Tracks (non-recreational)	50%	

ADDITIONAL REQUIREMENT/CLARIFICATIONS

Where shade is provided by structures such as canopies or other architectural elements, the outer surface of the shading element must have a minimum Solar Reflectance Index (SRI) of 29.

Public Open Spaces

This credit does not apply to recreational areas such as playing fields and ball courts.

Credit Submission: Design Rating

- ☐ Outdoor shading strategy report including:
 - Narrative describing shade provision;
 - Plan to show public realm spaces and priority areas for shading; and
 - Plan and tabulated results showing achievement of % of interim and final shading provision achieved for applicable spaces.
- ☐ Extracts from specifications relating to the SRI of all cover elements.