



# HUME CITY COUNCIL

# LANDSCAPE GUIDELINES

## Lighting

These lighting guidelines apply to Council reserves only, and do not include street lighting or sports field lighting.

Sports field lighting is a specialist field, requiring liaison with the governing bodies, and should be in accordance with the standards of each sporting code.

Lighting is generally not provided for Neighbourhood reserves, as the use of neighbourhood reserves after dark is not encouraged. Street lighting is provided to meet the Public Lighting Code and in most cases will extend illumination to the edges of adjacent open space. Every effort is to be made to position street lighting to provide adequate incidental lighting to neighbourhood reserves.

### General requirements

The lighting style and overall height must be on a scale appropriate to the surrounds.

### Design considerations

#### Location

Lighting is required for the following open space areas:

- At entrances and intersections of shared trails where street lighting is not adequate
- Walkways where street lighting is not adequate
- At steps or level changes along paths where street lighting is not adequate
- In sub-district and district reserve car parks

#### Design

A certified electrical circuit plan, including meter connections, is to be provided.

Footing design is to be certified by a structural engineer and/or the manufacturer.

The lighting product must be certified for wind rating for local conditions.

Other design considerations:

- Durable materials and finishes;
- Vandal-resistant luminaire protection, fixings and meter boxes;
- Ease of luminaire replacement and spare part availability;
- Inclusion of light sensors.
- Must operate with a minimal use of energy

### Lighting standards

Lighting standards govern maximum glare rates, illuminance, luminance spread and are to be in accordance with AS/NZ 1158 Series- Lighting for Roads and Public Places.

### Acceptable luminaries

Modern lighting must comply with current technologies, addressing energy, cost and maintenance efficiencies.

Acceptable luminaries include:

- VESI approved;
- LED lighting;
- Solar powered;

### Acceptable light tops

Acceptable light tops include those that position the lamp in the following ways:

- Downward facing light
- Upward facing light
- Fixed angled light

Light tops may be single or double units depending on the concentration and coverage of light required.

All light tops/luminaires must be controlled by integral photo-electric cells (automatic light sensor control). A single PE cell installed at the switchboard is to be used to control the entire lighting circuit. For smaller installations of 1 or 2 poles, luminaires with integral P.E. cells may be used)

Durable and easily maintainable materials include:

- Hot dipped galvanised steel (preferred)
- Mild steel (powder-coated if required)
- Aluminium

### Acceptable light poles

Acceptable light poles include the following:

- Minimum of 5m luminaire-finishing height (measured from ground level to base of luminaire)
- Poles must be hot dipped galvanised steel or mild steel
- A ground set electrical pit beside each light pole is the preferred option for electrical connections
- In-ground fixings and electrical components must be in accordance with electrical standards
- Poles can be powder-coated or painted using epoxy paint
- Poles may be either ground set or plate set with rag bolt assemblies. Where a rag bolt assembly is used, the rag bolts must sit proud of finished surface level and the gap between the pole base plate and concrete footing filled with a cement-based grout
- A non-sacrificial anti-graffiti coating may be required
- Any other fixings must be designed to avoid hazards

### Installation, metering and connections

All lighting installation is to be in accordance with electrical standards and to the requirements of the electrical service provider. Lighting is to be powered by dedicated circuits and not shared circuits that supply power for BBQ's or public toilets.

Lighting units and associated footings must be installed according to manufacturer's specifications. All trenching should be backfilled and consolidated, to avoid future subsidence

Council's electricity retailer is Origin Energy. All electricity accounts are to be created with this provider.

### References

Hume City Public Lighting Policy  
Public Lighting Code

