

	<p style="text-align: center;"><b>Street Lighting Policy</b></p>	<p><b>Document No:</b> <b>A3755836</b></p>
<p><b>1.1 Objective:</b> The objective of this policy is to ensure that appropriate levels of street lighting are provided throughout the Ipswich City Council.</p> <p><b>1.2 Regulatory Authority:</b></p> <ul style="list-style-type: none"> <li>• Ipswich City Council Street Lighting Procedure</li> <li>• Australian Standard (AS/NZS 1158) – Lighting for Roads and Public Spaces</li> <li>• Energex Street Lighting Standards</li> <li>• Energex – Queensland Public Lighting Design manual – BMS 3543</li> </ul> <p><b>1.2 Policy Statement:</b> Council will ensure that appropriate street lighting is provided throughout the Council area by:</p> <ul style="list-style-type: none"> <li>• Managing street lighting requests to relevant service levels and standards.</li> <li>• Undertaking proactive auditing of street lights.</li> <li>• Clearly defining street lighting levels for new developments.</li> </ul> <p><b>1.3 Scope:</b> This policy relates to street lighting that is located on Council owned road reserve. The core matters addressed by this policy include requests for additional street lighting, lighting for new roads, glare control and Ipswich City Centre pedestrian lighting. These are discussed below.</p> <p><b>REQUESTS FOR ADDITIONAL STREET LIGHTING</b></p> <p>Requests for additional street lighting on existing roads shall be assessed against the requirements of the Australian Standard AS/NZS 1158 – Lighting for Roads and Public Places, using the relevant design method, as outlined in the Standard.</p> <p>In outer urban, semirural and rural locations, lighting levels below that of the full Australian Standard category of lighting may be considered appropriate. The assessment of these roads should consider traffic density, posted speed limits, channelization, geometry, sight distances, pedestrian and cyclist activity, previous night-time crash history and whether the road will be lit in the future.</p> <p><b>NEW ROADS</b></p> <p>All street lighting associated with new roads shall be designed to meet the relevant Australian Standard Category requirements given the road hierarchy classification of the</p>		

road.

All lighting shall be installed under Energex Standard Conditions for Public Lighting Services as Contributed (Rate 2) Lighting, unless otherwise specified by Council.

### **GLARE CONTROL**

Where an existing public lighting installation has been designed to meet the Australian Standard requirements, the fitting of shields or aeroscreen luminaires will interfere with the light distribution such that compliance with the Australian Standard may be negated. As such, fixing internal or external shields to luminaires, or replacing an existing luminaire with an aeroscreen type, is not preferred.

However, when assessing a request for a shield, Council Officers may consider the following:

- The impact on the adjoining or nearby residents
- Lamp type and wattage
- The impacts on road and path lighting based on the available shield type
- Proximity of the luminaire to potential roadway conflict points (e.g. intersections)
- Function and usage of the road where the luminaire is located
- Measured light levels (a recorded level of < 1 Lux is not considered obtrusive)
- Shields are not normally appropriate in new residential subdivisions where the street lighting has been specifically designed and installed to meet the requirements of the Australian Standard for Public Lighting
- In older suburbs replacing the luminaire with a newer style fixture may be a more suitable solution.

Aeroscreen luminaires may be considered in new lighting design where an increase in glare may result in a loss of visual performance for motorists or pedestrians, or where a reduction in stray lighting is deemed appropriate. Typical examples of locations where aeroscreen luminaires may be considered appropriate include:

- Within 6km of an airport as specified by the Civil Aviation Safety Authority
- Isolated Intersections
- Steep crests
- Major Roads
- Roadway flyovers
- At the head of a cul-de-sac or court
- Rail crossings.

### **IPSWICH CITY CENTRE PEDESTRIAN LIGHTING**

Where supplementary pedestrian lighting is required in the Ipswich City Centre in order to meet the requirements of the Australian Standard due to the presence of awnings or vegetation, the installation of Unmetered (Rate 3) luminaires may be considered.

**1.4 Roles and responsibilities:**

This Policy is to be:

- Implemented by relevant Council Officers in Works, Parks and Recreation department (City Maintenance Branch and the Planning and Development department (Engineering and Environment Branch).
- Reviewed and amended in accordance with Council policy review process(es).

**1.5 Definitions:**

Aeroscreen – an aeroscreen is a type of luminaire fixture that has a flat horizontal visor (lens) to minimise unwanted directional light spill with 0% upward waste light ratio. The flat lens renders the luminaire being incapable of vertical aiming light above the angle of 90 degrees (at any angle of the azimuth).

**1.6 Policy Author:**

Engineer (Road Corridor Management), Works, Parks and Recreation

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**Committee Reference and Date:** Policy and Administration Board No. 2015(05) of 11 June 2015 – City Management and Finance Committee No. 2015(06) of 23 June 2015

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