

12 - Gaynor Road, Banyo – Comment on Trial LED Luminaires

Luminaire

It is assumed this luminaire is a - Sylvania Street LED.

Colour

This is a harsh white light, assumed to be 4000K, that is unnecessary in this residential street.

Brightness

This is a very bright and glary luminaire. Some residents in the street who were spoken to as part of this evaluation complained about the brightness and glare hampering vision. This is an uncomfortable luminaire for pedestrians and they may find they squint and avert their vision downwards when walking under these lights. This luminaire provides significantly greater illumination than in surrounding streets and may exceed the minimum Australian Standard.

Glare

This is a semi cut-off luminaire and so emits a significant proportion of its light in the glare zone above 80°. There is no shielding of the LED array and so pedestrians may find this luminaire uncomfortable.

Installation



Almost all the trial luminaires in this street are installed with an up-tilt, some by as much as 10°.

While one trial luminaire appears to be installed close to horizontal all the others have an up-tilt of up to around 10°. The luminaires do not appear to incorporate a mechanism to allow the installation angle to be adjusted.

Light Distribution

This luminaire has a light trespass problem, particularly to the rear. The glare light that falls on properties forward and to the rear of this luminaire may also create nuisance for residents.



This luminaire is intensely glary and creates too much light trespass to the rear.



Overall Assessment as a LED Luminaire for Brisbane-wide Roll-out

This luminaire is intensely glary, creates rear light trespass, is difficult to install horizontal and brighter than required for this category of residential street. This luminaire is not suitable for Brisbane-wide roll-out.