

11 - Weekes Road, Carindale – Comment on Trial LED Luminaires

Luminaire

It is assumed this luminaire is a - Betacom GL520 and the same luminaire on trial in Union Street, Clayfield.

Colour

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

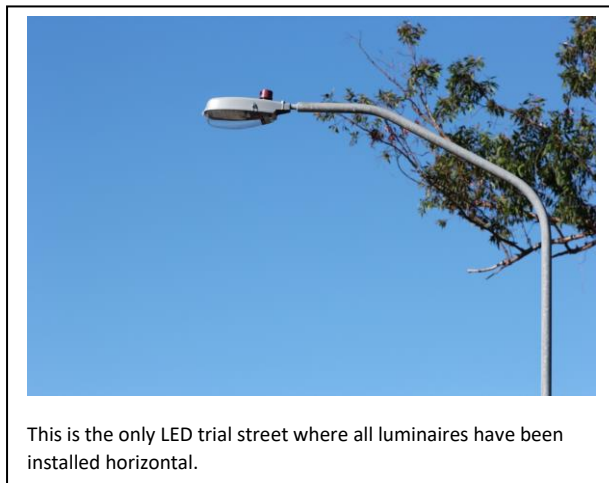
Brightness

This is a very bright luminaire projecting a very large illumination area. This street is illuminated substantially more than neighboring streets and may exceed the minimum required by the Australian Standard for a residential street of this category.

Glare

This is an extremely glary semi cut-off luminaire and uncomfortable for pedestrians. These are one of the worst LED luminaires in the trial for glare and excessive brightness.

Installation



All trial luminaires have been properly installed horizontal, or very nearly so. However, it does appear this luminaire has no internal capacity to adjust the up-tilt angle if the mounting bracket arm is not horizontal.

Light Distribution

This luminaire has a very significant light trespass problem to the rear and forwards. Residential streets should be illuminated boundary-to-boundary and minimize light trespass on to neighboring properties – this luminaire fails this design requirement.



This luminaire appears to deliver illumination in excess of the minimum required for this street. Rear and forward light trespass is a substantial problem with this luminaire.



Poor control of rear light trespass.

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

For all the reasons indicated above, and in the Union Street, Clayfield, assessment, this luminaire is also not suitable for a Brisbane-wide roll-out.