

10 - Union Street, Clayfield – Comment on Trial LED Luminaires

Luminaire

It is assumed this luminaire is a - Betacom GL520.

Colour

This is a harsh white light that is unnecessary in this residential street.

Brightness

This street is over-illuminated. The BCC LED Trial report should publish illumination data for this, and all streets and luminaires in the trial, and indicate if the trial illumination meets or exceeds the minimum required by the Australian Standard.

Union Street is very narrow, perhaps only six meters wide, and yet this extremely bright and large illumination pattern luminaire is being trialed in this narrow street. BCC-Energex should publish its reasoning and performance evaluation criteria for trialing this luminaire in this narrow street.

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



Some of the trial luminaires appear to have an up-tilt of nearing 5°.

While one of the trial luminaires are installed horizontal the others appear to be up-tilted by a few degrees and some may be approaching 5°. It appears this luminaire is attached to the bracket arm by just a simple pipe clamp and has no internal ability to adjust to horizontal installation.

Light Distribution

This luminaire produces a lot of light over a large illumination pattern. In this narrow street this causes very substantial rear and forward light trespass on to homes. This luminaire is totally unsuited to such a narrow street. What is the BCC-Energex justification for trialing this luminaire in this street? What is the objective and what are the performance evaluation criteria?



In such a narrow street this luminaire creates significant forward and rear light trespass on to private properties



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

This luminaire is totally unsuited for narrow residential streets. In addition, for all the reasons indicated above, this luminaire is also not suitable for a Brisbane-wide roll-out.