

R11 Wokingham

Street Lighting Technical Note

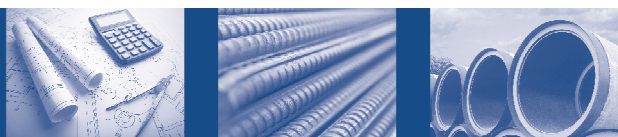
JS/26:0787/7371
26th August 2026

This technical note is to demonstrate the effect of rear shields to the illumination behind street lighting within a residential setting where illumination of the rear is environmentally sensitive.

The solar lantern specified for the R11 private lighting do not have a rear shield telemetry to be uploaded into the lighting software (Lighting Reality) and so I am unable to show how a rear shield affects the illumination levels.

This report uses a stand in lantern which can show both "no rear shield" and "with rear shield" options within the software to demonstrate the effect of the rear shields which will be installed on site and will achieve a similar effect in blocking the rear illumination on the submitted plans.

The below extracts show the illumination levels without and with rear shields along the entire length of the woodland buffer.



Below is the extract without rear shields for a similar illuminating lantern as the solar ones specified:



Below is the same lantern with the rear shields:



Summary

The extracts above show the effect of rear shields to the street lighting output which would be comparable to the effect of rear shields on the solar lanterns specified for the private lighting for the R11 Wokingham Development.

John Strugnell
FOR MJA CONSULTING