

## **Lighting Assessment**

### **Applicant - Mr Charles Holden**

**Proposal - Outline Planning Application for the erection of a manager's house, 13 Park homes for Travelling Showmen families, area for resident only touring caravan storage, external storage area, covered barn for maintenance of equipment, restoration of former granary to garden store, and green and other infrastructure, demolition of former Gors Farm House and outbuildings, Land at Gors Farm, Gors Road, Towyn, Conwy, North Wales. Point of access onto Gors Road not reserved**

A number of lighting matters will need to be addressed by way of planning condition. Until the site layout is fixed there is currently no certainty on the disposition of buildings and hence the lighting. However, the following principles will be afforded:

- Schemes should aim to keep the brightness and extent of lighting to the minimum necessary.
- Lights should be switched off when not required for safety or security.
- The applicant will use specifically designed lighting equipment that minimises the upward spread of light near to the horizontal.
- Throughout the residential area, the aim is to introduce low level bollard lighting.
- The use of luminaries with double-asymmetric beams designed so that the front glazing is kept at or near parallel to the surface being lit will assist in the reduction of glare
- Glare should be kept to a minimum by ensuring that the main angle of all lights directed towards any potential observer is kept below 70 degrees which will ensure minimisation of light spill to the greatest practical extent possible.
- Any higher mounting lights allow lower main beam angles, which can assist in reducing glare and sky glow, though this must be balanced with considerations of the intrusive appearance of over-high light columns.
- The lights used should be the most efficient taking into account cost, energy use, colour rendering and the purpose of the lighting scheme required. It is recommended that the energy efficiency of the lighting type is considered first as a priority and that other important factors such as colour rendering (whiter light reduces sky glow) and maintenance costs are also considered.
- Lighting should have the minimum possible impact on dwellings in the locality.