



**Lighting Plan**

Hedgerows and key habitat features including mature trees on the site will not be illuminated in order to retain dark movement corridors for nocturnal wildlife. Illuminance along these features will be below 0.2 lux on the horizontal plane, and 0.4 lux on the vertical plane.

Fit 2 No recessed LED lamps in to front and rear gable soffit of each pod

Fit 10 No recessed LED lamps in south roof overhang of recreation room building.

Security lighting will be set on motion sensors with short timers (<1 Minute) and will be LED with passive infrared target.

Lighting must be less than 3 lux at ground level and there shall be no light splay exceeding 1 lux along buildings, eaves or roof or adjacent hedgerows or trees.

External lights will be hooded and directed toward the ground to reduce upward light spill.

A warm white spectrum will be adopted throughout the scheme to reduce blue light component (>2700 Kelvin).

Internal luminaires will be recessed where installed in proximity to windows to reduce glare and light spill. LED luminaires will be used internally where possible due to their sharp cut-off, lower intensity, and dimming capability. All rooflights to be fitted with black out blinds.

Luminaires will always be mounted horizontally with an upward light ratio of 0%.

**EV Charging Point**

Provide 1 No Fast 7kW (single phase) outside charging point. Charging point to be fitted by approved installer.



**Proposed Recreation/Games Room**

**Moelfre Hall SY10 7QJ**

**Scale 1:100 @ A3      Oct 2023      Plan No 4740.11**

Do not scale from prints. Figured dimensions take precedence. The contractor is to check all dimensions before work commences and notify the contract administrator of any error or discrepancy.  
 \* Ty Fedw, Abermule, Montgomery SY15 6JW      \* [gwynforhumphreys@msn.com](mailto:gwynforhumphreys@msn.com)      \* 07971 224953

**Gwynfor Humphreys & Co: Chartered Building Surveyor**