



EC Electrical Services

MEP External Lighting Design Statement

Prepared in support of Building Control Condition Discharge – External Lighting

Lighting Type	Qty	Lamp	Assumed Output
External Wall Lanterns	17	G9 LED (20W equivalent)	300 lm
Driveway Ground Lights	18	MR16 LED 6W	500 lm
Total Installed Flux			≈14,100 lm

Design Intent

The external lighting scheme comprises seventeen decorative G9 wall lanterns providing façade, entrance and pedestrian illumination together with eighteen recessed 6W MR16 LED driveway lights providing low-level vehicle guidance. The lighting has been selected to provide safe movement whilst minimising glare and unnecessary light spill.

Expected Maintained Illuminance

Entrance areas: 50–100 lux
Pedestrian routes: 10–20 lux
Driveway guidance: 5–15 lux

Lighting Layout



Design Basis

This statement is based on standard published lumen outputs for quality LED G9 and MR16 lamps. The proposed installation is considered suitable for residential external lighting and follows the principles of BS EN 12464-2 for safe external circulation areas. A full Dialux Evo lighting calculation can be provided should Building Control request detailed lux contour plots.