

Notes:
The Public Lighting design has been prepared with reference to the CIBSE Lighting Guide LG06, the Institute of Lighting Professionals Document – Guidance Notes for the Reduction of Obtrusive Light GN01:2021 and Guidance Notes for Bats and Artificial Lighting at Night GN08:2023.

The design shall fully comply with IS EN13201 Lighting Class P3.

The plot demonstrates compliance with pre–curfew light intrusion requirements laid out in table 1 of the guidance document for a category E2 zone (Rural or small village) – Obtrusive Light Limitations for Exterior Lighting Installations.

In practice the values may vary due to tolerances in column installation, luminaire orientation, surface reflectance and fluctuations in power supply (voltage).

Results provided within this design are derived from product specific photometry, the substitution of alternative luminaires will not produce comparable results.

No obstructions have been included (trees, fences, buildings etc.) resulting in a worst case scenario horizontal illuminance plot.

New Column Mounted fittings installed on the roadway and pathway shall utilise an LED source with downward only light and a sharp cut off angle with 0% upward light ratio.

Lamp sources shall have no/minimal UV element and be warm white with a CCT of between 2700 and 3000 degrees Kelvin.

Lighting shall be agreed with a suitably qualified Ecologist and be in line with their recommendations in relation to buffer and development zones



5 LUX LINE
10 LUX LINE
15 LUX LINE

Grid 1
Results - Horizontal Illuminance (lux)
Eav= 8.16
Emin= 1.64
Emax= 20.78
Emin/Emax= 0.08
Emin/Eav= 0.20
Emax/Eav= 2.55

Symbol	Label	Quantity	Catalog Number			
	EL1	17	SLI.2.LA044.A4.W032	Column Mounted @ 6m	4000	32
	EL2	6	SLI.2.LA044.A2.W028	Column Mounted @ 6m	4000	28

POSITION OF EQUIPMENT TO BE BY SITE MEASUREMENT OR LARGE SCALE DRAWINGS

FOR PLANNING



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PROJECT
PROPOSED NEW-BUILD RESIDENTIAL DEVELOPMENT
FARRANNAMARTIN, GALWAY ROAD, TUAM, CO. GALWAY.

TITLE
PUBLIC LIGHTING CALCULATIONS

PROPOSED SITE LAYOUT

DRAWN DW	CHECKED AH	SCALE 1:500@A1	DATE APR'25	PRJ No. 2451	DWG No. ESK01
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