

PUBLIC LIGHTING NOTES:

1. This Public Lighting Scheme for the development has been designed to provide high quality public lighting throughout the public realm of the site. The external lighting design for this development has been designed by an independent lighting design specialist (VeeLite Lighting Ltd.) to achieve the necessary performance requirements as set out in the following standards:

a) National Rules for Electrical Installation IS10101:2020
b) BS8300:2018 Design of an accessible and inclusive built environment
c) Dun Laoghaire Rathdown County Council Public Lighting In Residential and Industrial Areas Guidance Document, January 2022
d) Institution of Lighting Professionals - Guidance for the Reduction of Obtrusive Light GN01:2021
e) BS EN 13201-2 (2015), Road Lighting Part 2:Performance Requirements
f) BS5489-1 (2013) Code of Practice for the Design of Road Lighting
g) Chartered Institution of Building Services Engineers - Lighting Guide 6: The Exterior Environment
h) Bats and Lighting - Guidance Notes for Planners, Engineers, Architects and Developers (Bat Conservation Ireland, 2010). Subject To Report Findings
i) Bats and Lighting in the UK-Bats and the Built Environment Series (Institute of Lighting Professionals, 2018, Subject To Report Findings

2. Ducting shall comply with BSEN 50086-1-2-3-4 latest edition & shall be single wall, coloured RED & manufactured from high density Polypropylene. The nominal external diameter of the duct shall be 107mm with a minimal wall thickness of 5mm. Each length of duct shall be stamped with the words "Public Lighting" or alternatively "Street Lighting", in 18mm BLACK lettering at "0" degrees text alignment. At one metre intervals, duct shall be laid with this legend facing upwards. Duct shall be laid in a straight line close to the line of the column locations and shall contain a continuous draw-wire of 8KN strength. All ducts shall be proven with brush and mandrill. Polypropylene roped and plugged and complies with IS 10101 requirements. RED Duct shall be used for exterior lighting cables.

3. A minimum depth of 450mm covers is required in Urban Pathways & a minimum of 600mm cover is required for grass margins, pedestrian ways, laneways and gateway entrances & a minimum depth of 750mm is required at road crossings or in carriageways.

4. All equipment to be suitably I.P. rated for the environment they are being installed.

5. All electrical supplies to the Public Lighting Scheme shall be from un-metered Micro-Pillars, Supplied From Mini-Pillars as shown.
The proposed Public Lighting Scheme is to be Taken In Charge by Dunlaoghaire Rathdown County Council Public Lighting Division once all design has been accepted and verified.

6. Lighting Column Setback shall be 0.8M from Kerb in accordance with BS5489-1 Table 2.

7. Where necessary, the Contractor to include a Light Shield to be fitted on each luminaire to avoid Back Spill.

KEY PLAN

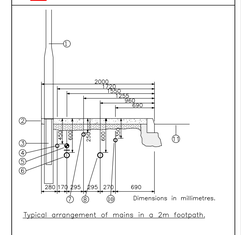


- Luminaire A Column
- Luminaire B Column
- Luminaire C Column
- Beam Aiming Target
- Photometric Centre

All Dimensions in mm

LEGEND:

- MICRO PILLAR (MCP-00)
- DENOTES NEW 110mmø PUBLIC LIGHTING DUCT ROUTE
- DENOTES EXISTING 110mmø PUBLIC LIGHTING DUCT ROUTE
- NEW ESB MINIPILLAR & CHAMBER
- NEW PUBLIC LIGHTING MINIPILLAR



Typical arrangement of mains in a 2m footpath

Extract from I.S.329: 2003

Key:
1 Lamp Standard
2 Boundary
3 Outside stop valve
4 Low voltage electrical (alternative position)
5 Low voltage electrical
6 High voltage electrical
7 Cable TV
8 Water
9 Telecommunications
11 Carriageway

MOUNTED ON 6 METRE POLE C/W GLARE SHIELD

Rev	Description	Date
PL1	Draft Planning	08/07/2026
PL2	Draft Planning	05/08/2026
PL3	Planning FI - Layout update	30/10/2026

ballymore.

JAK Consulting Engineers
Mechanical, Electrical & Sustainability Consultants
DOC Centre
12 Camden Row, Dublin 8,
Ireland
Ph: +353(1)479 0500
E: info@jak.ie
www.jak.ie

PROJECT
Cornamaddy Residential Development, Phase 1, Athlone

DRAWING NUMBER
CRM-JAK-SW-ZZ-DR-E-60001

DRAWING TITLE
Public Lighting Site Services Layout

DRAWN BY	CHECKED BY	DATE
AB	MO	05/08/2026
REV	SCALE @ A0	STATUS
PL3	1 : 400	For Information