

## SDCC Public Lighting Pre Planning Guidance

Where required, a Public Lighting Scheme should be submitted with a planning application. If not submitted, it will be requested as additional information. Any scheme to be submitted should be agreed in writing in advance with the Council's Public Lighting Section. High quality public lighting should be designed to minimise light pollution and cover all vulnerable areas without causing shadows or glare. Any scheme to be submitted by an applicant, owner or developer with a planning application or lodged to the Planning Authority to comply with a condition in a planning permission must consist of all the elements as set out below.

### Full Lighting Design

- A full lighting design to BS5489: EN13201 or as may be updated from time to time stating the design class as detailed in the SDCC Design Guidelines with attached electronic IES files compatible with Lighting Reality software to allow verification of the design.
- The design must clearly state the LED lantern manufacturer, model, driver current, lumen output and optic setting. (SON/SOX lanterns are not acceptable).
- The electronic components of the lantern must fully specified.
- The full circuit wattage of the lantern must be declared.
- The LM70 report and the independent lab testing cert must accompany the design submission.
- The fully detailed lighting design report and calculations must be included in the submission.

### Electrical Design

- A Single Line Diagram (SLD) circuit diagram complete with cable calculations.
- Circuit diagrams and plan drawings of the supply cabinet equipment as described in the current SDCC P.L. Materials and Installations Specification and the ESN National Code of Practice for Customer Interface.
- Internal pole wiring diagram and details as per the current SDCC P.L. Materials and Installations Specification.
- Communications wiring and switching / photocell details if required.

### Layout Drawings

- An AutoCAD ducting layout drawing, coordinated with any other services (existing or new) compliant with the service separation requirements of ET101 - 8th Edition, to scale 1:1000.
- Public lighting columns, ducts and supply cabinets likely to be taken in charge for maintenance by SDCC shall not be erected on ground likely to remain private or inaccessible, e.g. private gardens, ESB / Bord Gais substation enclosures etc.
- If wayleaves are to be required they must be highlighted on the ducting layout drawing. Where applicable any wayleaves in favour of SDCC must be fully executed prior to being offered for Taking-in-Charge.
- Pole positions must be coordinated with intended tree planting, overhead wires, maintenance access and boundary treatments. It should be demonstrated that no lighting column shall be located within the eventual canopy spread of any proposed tree or within a proposed SUDS drainage swail.

### Construction and Installations Details Drawings

- Construction details showing duct installations as per current SDCC P.L. Materials and Installations Specification.
- Column planting / sleeving details
- Supply pillar mounting

### Materials Submissions

- Details of all materials to be used must be submitted with any relevant manufacturer's brochures, dimensioned construction drawings etc.
- Details of ducting type, chamber specifications, column manufacture and cable door dimensions are required.

### Construction Phasing Document/ Method Statement

- A method statement describing the intended process for maintaining existing lighting levels during construction, the scheduling of phased switchover to new installations and any traffic management required must be considered if the development is envisioned to impact an existing P.L. Network.
- Prior to the commencement of the construction phase, the applicant, owner or developer shall make contact with the Public Lighting Section to confirm final design, and agree an inspection regime include exchange of site contact details and site induction.