



1.0 lux  
3.0 lux  
5.0 lux

Notes:  
All LED lanterns must have Constant Light Output (CLO).  
Automatically dimmed to 75% each night from 12 midnight to 6am.  
(U14 Profile)  
All lanterns to have 7pin NEMA sockets fitted.  
Electronic Photoeyes switched at 35/15lux  
All columns, luminaires, cable and pillars, shall comply with Local Authority General Specification for Public Lighting.  
No trees to be located within falling distance of PL columns.  
Minimum set-back of columns is 800mm from face of kerb.  
Public lighting cable chamber as per Local Authority PL Dept. specification.

Public Lighting Cable Chamber Details

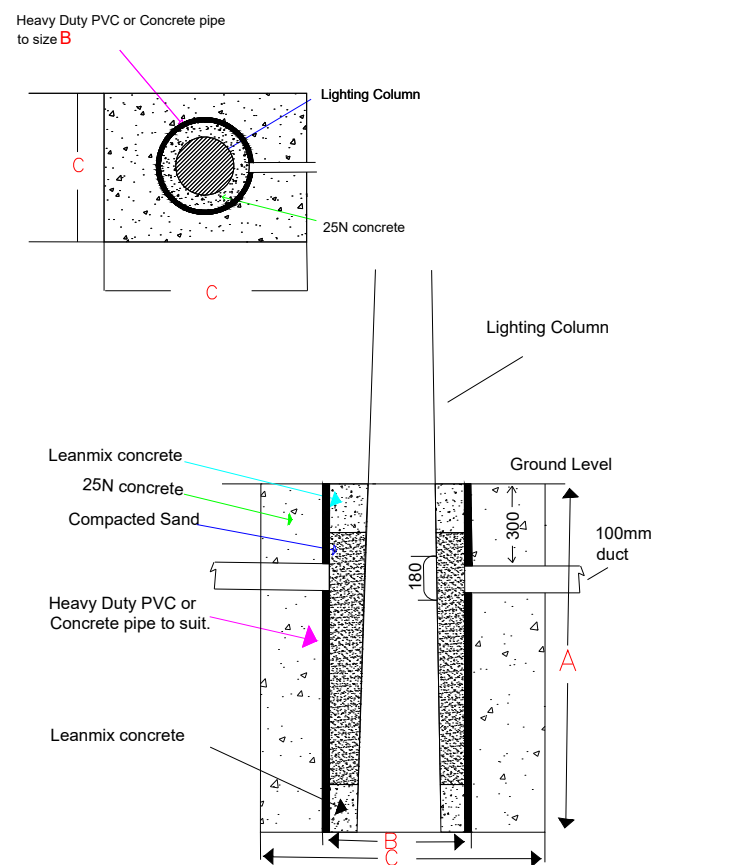
Public Lighting Cable Chamber Details

- Luminaire A E950-28-F2A-740-B2-C0600-15W  
6m Column. Qty 3
- Luminaire B E950-28-P4A-740-C600-15W  
6m Column. Qty 27
- Luminaire B E950-28-P4A-740-C600-15W  
Luminaire D E950-28-P4A-740-C450-11W  
6m Column c/w 0.3m twin arm stub bracket arms @180°. Qty 3 (6 luminaires)
- Luminaire D E950-28-P4A-740-C450-11W  
6m Column. Qty 19  
6m Raise & Lower Column. Qty 11
- Luminaire E Chelsea SCL 12-300mA 740 (dimmed to 70%)  
4.2m Raise & Lower Column. Qty 12
- Luminaire H E950-28-P4A-740-C600-15W  
Existing Proposed LED Luminaire.

2X6sq NYC cable laid in ducting to I.S.10101:2020.  
Single wall ducting, colour red to be used.  
Manufactured from high density polyethylene (H.D.P.E.),  
107mm external diameter, having a wall thickness of 5mm.  
This ducting to have the words "Street Lighting" stamped on to  
to be clearly legible at 1m intervals. The lettering to face up/down  
in the trench. All works to Local Authority specification.  
This is a crucial layout and not indicative of where ducts are to be laid.  
Public Lighting Pillar (located at least 2m from ESB pillar)

Typical Base detail, to be checked  
by site engineers.

COLUMN MOUNTING HEIGHT	12m	10m	8m	6m
COLUMN ROOT DEPTH	1.9m	1.7m	1.5m	1.0m
CABLE ENTRY DEPTH	0.3m	0.3m	0.3m	0.3m
ROOTING CONCRETE DEPTH				
COLUMN DOOR HEIGHT	1.5m	1.5m	1.5m	1.5m
COLUMN SLEEVE SIZE (mm) internal	450	400	400	300
EXCAVATION (width x length)	1000	800	600	400



NOTES  
THIS DRAWING IS THE INTELLECTUAL PROPERTY OF  
AND IS COPYRIGHT © AND CAN NOT BE USED WITHOUT PRIOR CONSENT.  
NO ACCOUNT IS TAKEN FOR THE BLOCKING EFFECT CAUSED BY BUILDINGS, TREES ETC.  
THE CALCULATION SHOWN BY THIS DRAWING ASSUMES THAT THE WHOLE AREA BEING  
CONSIDERED IS IN THE SAME PLANE, I.E. THERE ARE NO CHANGES IN GRADIENT OR  
ELEVATION.  
This drawing layout is based on calculated lighting levels, produced by Sabre Electrical Services Ltd., using Lighting  
Reality software. Any alterations to the layout or luminaire type used for the lighting design calculations, will require  
a revised lighting design to be carried out. A redesign may require approval from the Local Authority Public Lighting  
Dept. prior to any alterations/modifications being implemented on site.

**Sabre**  
ELECTRICAL SERVICES LTD.  
Specialist Contractors  
PUBLIC LIGHTING - FLOOD LIGHTING - SPORTS LIGHTING

UNIT 11,  
BELLVUE INDUSTRIAL ESTATE,  
FINGLAS,  
DUBLIN 11.  
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?	GS	CHK	-----
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REV	DESCRIPTION	INTS	CHKD	DATE
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CLIENT/CUSTOMER

Castlthorn Developments Luttrellstown

PROJECT  
St. Mochtas LRD

TITLE  
Public Lighting Layout

DRAWN A.N	SCALE 1:500@A1	DATE 06-06-25
DRAWING NUMBER SES 07625	ISSUE 1	

BASE DRAWING NUMBER  
DRAWING ORIGIN

DO NOT SCALE FROM THIS DRAWING