

- 1.0 lux
- 3.0 lux
- 5.0 lux

**Note:**  
 All LED lanterns must have Constant Light Output (CLO).  
 Automatically dimmed to 75% each night from 12 midnight to 6am.  
 All lanterns to have 7pin NEMA sockets fitted.  
 Electronic Photocells switched at 35/18lux  
 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.

**TYPE G COLUMN DETAILS**  
 HEIGHT : 8m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 0 Degrees  
 COLUMN QUANTITY : 1  
**LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 59  
 MAKE & MODEL : C.U.Phosco P863-128-F2B-730-450

Existing LED luminaire spec as advised by MCC

**TYPE A COLUMN DETAILS**  
 HEIGHT : 8m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 0 Degrees  
 COLUMN QUANTITY : 4  
**LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 59  
 MAKE & MODEL : C.U.Phosco P863-128-R2E-730-450

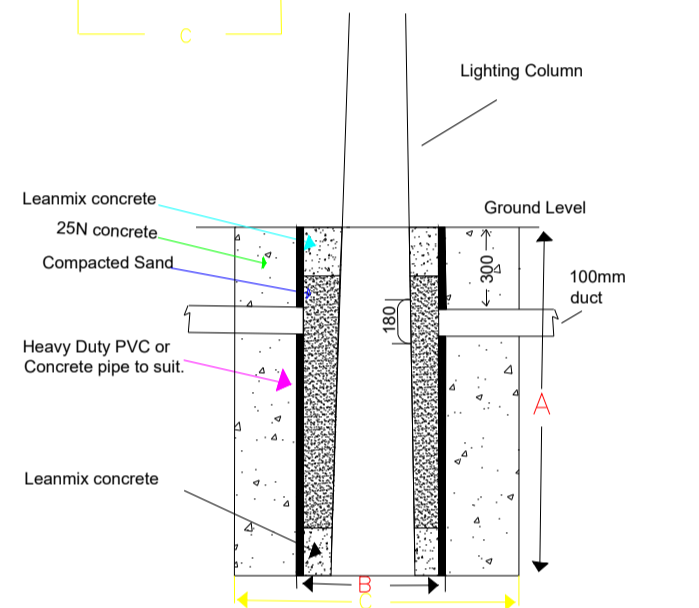
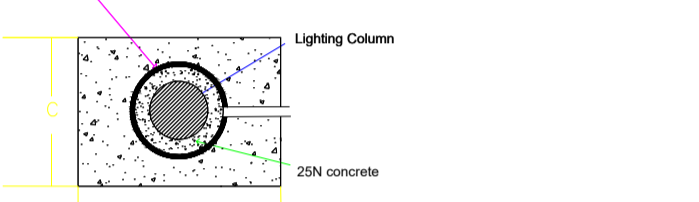
**TYPE C COLUMN DETAILS**  
 HEIGHT : 6m  
 BRACKET LENGTH : Post-top  
 INCLINATION : 0 Degrees  
 COLUMN QUANTITY : 2  
**LANTERN DETAILS**  
 AVERAGE WATTAGE (CLO) : 44  
 MAKE & MODEL : Philips-BGP292-DPL1-8000-40LED-5.2s-CLO-L90-740

23kV NYC cable laid in ducting to ETC1 ET101 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 "Steel Lighting" stamped on outer size every 1m intervals. The lettering to face upstream in the trench. All works to Local Authority specification. This is a circuit 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

Heavy Duty PVC or Concrete pipe to size D



**NOTES**  
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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

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 FINGLAS,  
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-	?	GS	CHK	-----
-	?	GS	CHK	-----
-	?	GS	CHK	-----
D	Updated as per comments	AN	CHK	28-02-22
C	Updated as per comments	AN	CHK	24-02-22
B	CH1900 lighting removed.	AN	CHK	11-02-22
A	Existing column locations updated to as advised by MCC	AN	CHK	07-02-22
REV	DESCRIPTION	INTS	CHK'D	DATE

CLIENT/CUSTOMER  
**DBFL**

PROJECT  
**Boyne Greenway**

TITLE  
**Public Lighting Layout**

DRAWN  
 A.N SCALE  
 1:500 @A1 DATE  
 24-01-22

DRAWING NUMBER  
 SES 00822 ISSUE  
 5

BASE DRAWING NUMBER  
 170029-2200.dwg

DRAWING ORIGIN  
 DBFL

DO NOT SCALE FROM THIS DRAWING

