



**TYPE C COLUMN DETAILS**

HEIGHT : 5m  
 BRACKET LENGTH : 5m ABACUS Raise & lower type  
 INCLINATION : Post-top  
 COLUMN QUANTITY : 0 Degrees  
 LANTERN DETAILS : 46  
 AVERAGE WATTAGE (CLO) : 17  
 MAKE & MODEL : C.U.Phosco P852-12-P4-NW-CB0400

**TYPE D COLUMN DETAILS**

HEIGHT : 8m  
 BRACKET LENGTH : 8m  
 INCLINATION : Post-top  
 COLUMN QUANTITY : 5 Degrees  
 LANTERN DETAILS : 7  
 AVERAGE WATTAGE (CLO) : 37  
 MAKE & MODEL : C.U.Phosco P863-32-P4-NW-F0350

**TYPE E COLUMN DETAILS**

HEIGHT : 10m  
 BRACKET LENGTH : 10m  
 INCLINATION : Post-top  
 COLUMN QUANTITY : 5 Degrees  
 LANTERN DETAILS : 9  
 AVERAGE WATTAGE (CLO) : 108  
 MAKE & MODEL : C.U.Phosco P862-64-P4-NW-F550

**TYPE F COLUMN DETAILS**

HEIGHT : 6m  
 BRACKET LENGTH : 6m  
 INCLINATION : Post-top  
 COLUMN QUANTITY : 5 Degrees  
 LANTERN DETAILS : 26  
 AVERAGE WATTAGE (CLO) : 20  
 MAKE & MODEL : C.U.Phosco P852-24-S2-NW-0400

Existing HID Luminaire

Notes:

- All LED lanterns must have Constant Light Output (CLO). Automatically dimmed to 75% each night from 12 midnight to 6am.
- All lanterns to have Type NEMA sockets fitted.
- Electronic Photocells switched at 35°lux.
- All columns, lanterns, cables and poles, shall comply with Local Authority General Specification for Public Lighting.
- No trees to be located within falling distance of P/L columns. Minimum setback of columns is 800mm from face of kerb.
- Public lighting cable chamber as per Local Authority P/L Dept. specification.

**TYPE A COLUMN DETAILS**

HEIGHT : 6m  
 BRACKET LENGTH : 6m  
 INCLINATION : Post-top  
 COLUMN QUANTITY : 5 Degrees  
 LANTERN DETAILS : 63  
 AVERAGE WATTAGE (CLO) : 17  
 MAKE & MODEL : C.U.Phosco P852-12-P4-NW-CB0400

**TYPE B COLUMN DETAILS**

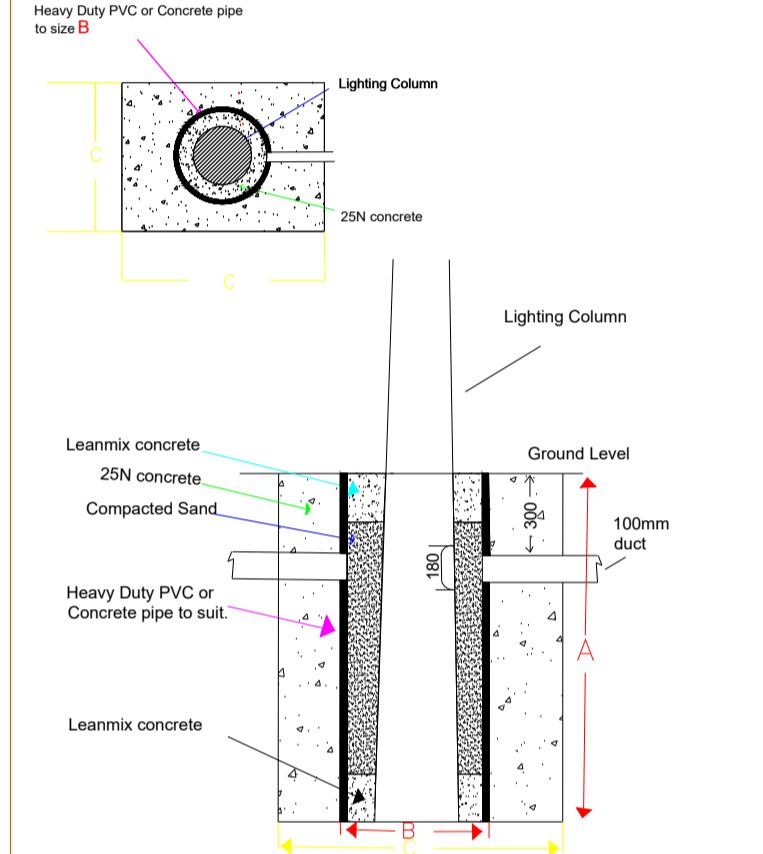
HEIGHT : 6m  
 BRACKET LENGTH : 6m  
 INCLINATION : Post-top  
 COLUMN QUANTITY : 4  
 LANTERN DETAILS : 4  
 AVERAGE WATTAGE (CLO) : 36  
 MAKE & MODEL : C.U.Phosco P852-24-S1-NW-0500

20kva NYCC cable laid in ducting to ETCI 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 "Street Lighting" stamped on, letter size lines at 1m intervals. The lettering to face upwards in the trench. All works to Local Authority specifications. This is a circuit layout and not indicative of where ducts are to be laid.

Public Lighting Pole (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

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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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 BELLVUE INDUSTRIAL ESTATE,  
 FINGLAS,  
 DUBLIN 11.  
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REV	DESCRIPTION	INTS	CHKD	DATE
-	7	GS	CHK	-----
F	Updated Site Layout	AN	CHK	30-09-20
E	Updated Site Layout	AN	CHK	28-09-20
D	Updated Site Layout	AN	CHK	08-09-20
C	Updated as per comments	AN	CHK	28-08-20
B	Column positions on top site updated	AN	CHK	24-08-20
A	Some column positions changed to in order to accommodate trees	AN	CHK	21-08-20

CLIENT/CUSTOMER  
 Castlethorn Construction Unlimited Company

PROJECT  
 Dunshaughlin Phase 2 SHD

TITLE  
 Public Lighting Layout

DRAWN  
 A.N SCALE 1:500 @A1 DATE 19-08-20

DRAWING NUMBER  
 SES 10220 Sheet 2 ISSUE 7

BASE DRAWING NUMBER  
 edit

DRAWING ORIGIN  
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DO NOT SCALE FROM THIS DRAWING