

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 7pin NEMA sockets fitted.  
Electronic Photocontrols 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 P/L columns.  
Minimum set-back of columns is 800mm from face of kerb.  
Public lighting cable chamber as per Local Authority P/L Dept. specification.

0.25 lux  
0.5 lux  
1.0 lux  
3.0 lux  
5.0 lux

TYPE C COLUMN DETAILS  
HEIGHT : 6m  
BRACKET LENGTH : Post-top  
INCLINATION : 5 Degrees  
COLUMN QUANTITY : 28  
LANTERN DETAILS  
AVERAGE WATTAGE (CLO) : 21  
MAKE & MODEL : Urbis-Schreder Axia 2.1 16 LED - 400mA -5165-WW 727

TYPE D COLUMN DETAILS  
HEIGHT : 5m ABACUS Raise & lower type  
BRACKET LENGTH : Post-top  
INCLINATION : 0 Degrees  
COLUMN QUANTITY : 15  
LANTERN DETAILS  
AVERAGE WATTAGE (CLO) : 12  
MAKE & MODEL : Urbis-Schreder Axia 2.1 8 LED - 400mA -5165-WW 727-Front & Rear Louvres

TYPE E COLUMN DETAILS  
HEIGHT : 5m ABACUS Raise & lower type  
BRACKET LENGTH : Post-top  
INCLINATION : 0 Degrees  
COLUMN QUANTITY : 42  
LANTERN DETAILS  
AVERAGE WATTAGE (CLO) : 12  
MAKE & MODEL : Urbis-Schreder Axia 2.1 8 LED - 400mA -5165-WW 727-Rear Louvres

TYPE G COLUMN DETAILS  
HEIGHT : 6m & 5m ABACUS Raise & lower type (See drawing)  
BRACKET LENGTH : Post-top  
INCLINATION : 6m @ 8° & 5m @ 0°  
COLUMN QUANTITY : 2 @ 6m & 3 @ 5m  
LANTERN DETAILS  
AVERAGE WATTAGE (CLO) : 37  
MAKE & MODEL : Urbis-Schreder Axia 2.1 24 LED - 500mA -5165-WW 727 - Rear Louvres

TYPE H COLUMN DETAILS  
HEIGHT : 5m ABACUS Raise & lower type  
BRACKET LENGTH : Post-top  
INCLINATION : 0 Degrees  
COLUMN QUANTITY : 1  
LANTERN DETAILS  
AVERAGE WATTAGE (CLO) : 12  
MAKE & MODEL : Urbis-Schreder Axia 2.1 8 LED - 400mA -5165-WW 727

TYPE H COLUMN DETAILS  
HEIGHT : 5m ABACUS Raise & lower type  
BRACKET LENGTH : 0.3m stub bracket  
INCLINATION : 0 Degrees  
COLUMN QUANTITY : 1 (2 luminaires)  
LANTERN DETAILS  
AVERAGE WATTAGE (CLO) : 12  
MAKE & MODEL : Urbis-Schreder Axia 2.1 8 LED - 400mA -5165-WW 727

TYPE I COLUMN DETAILS  
HEIGHT : 6m  
BRACKET LENGTH : Post-top  
INCLINATION : 5 Degrees  
COLUMN QUANTITY : 6  
LANTERN DETAILS  
AVERAGE WATTAGE (CLO) : 21  
MAKE & MODEL : Urbis-Schreder Axia 2.1 16 LED - 400mA -5167-WW 727-Rear louvres

Existing luminaires (CQL60L50NR), specification advised by Fingal COCO

#### TYPE A COLUMN DETAILS

HEIGHT : 6m  
BRACKET LENGTH : Post-top  
INCLINATION : 5 Degrees  
COLUMN QUANTITY : 27  
LANTERN DETAILS  
AVERAGE WATTAGE (CLO) : 21  
MAKE & MODEL : Urbis-Schreder Axia 2.1 16 LED - 400mA -5167-WW 727

#### TYPE B COLUMN DETAILS

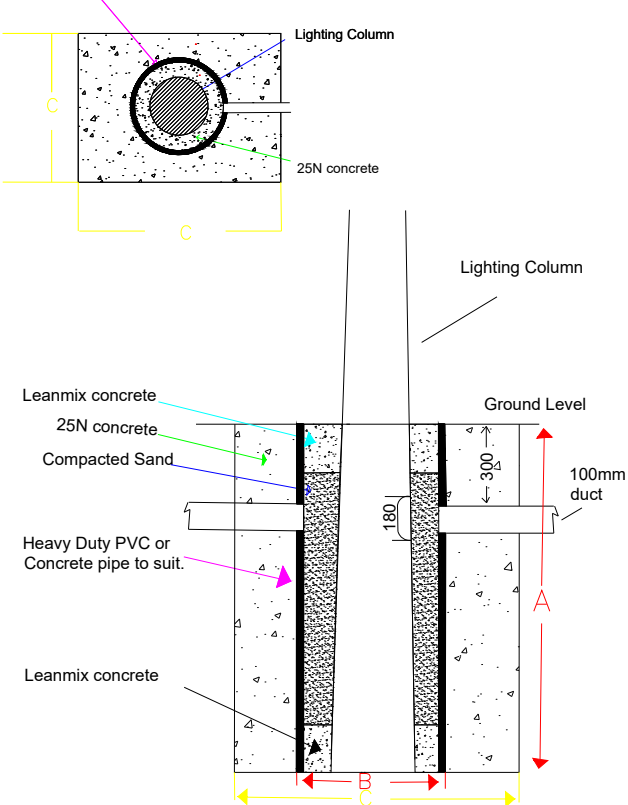
HEIGHT : 5m ABACUS Raise & lower type  
BRACKET LENGTH : Post-top  
INCLINATION : 0 Degrees  
COLUMN QUANTITY : 9  
LANTERN DETAILS  
AVERAGE WATTAGE (CLO) : 12  
MAKE & MODEL : Urbis-Schreder Axia 2.1 8 LED - 400mA -5166-WW 727

2X6kg NYCY cable laid in ducting to ETICI 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 firm at 1m intervals. The lettering to face uppermost 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 B



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

UNIT 11,  
BELLVUE INDUSTRIAL ESTATE,  
FINGLAS,  
DUBLIN 11.  
E - MAIL: graham@sabrelighting.ie

PH: 01-811 0875

REV	DESCRIPTION	INITIALS	CHKD	DATE
?		GS	CHK	-----
F	P14 relocated	AN	CHK	11-03-22
E	Revised site layout	AN	CHK	17-12-21
D	P14 relocated to requested position & an additional luminaire added	AN	CHK	08-06-21
C	Columns relocated to avoid landscaping clash	AN	CHK	03-06-21
B	Updated site layout & LED's to 2700K colour temperature	AN	CHK	28-05-21
A	Updated Site Layout	AN	CHK	08-01-20

CLIENT/CUSTOMER

Cairn Homes

PROJECT

Holybank

TITLE

Public Lighting Layout

DRAWN

A.N

SCALE

1:1000 @A1

DATE

16-09-20

DRAWING NUMBER

SES 12920

ISSUE

7

BASE DRAWING NUMBER

18399-2-100 LMP

DRAWING ORIGIN

edit

DO NOT SCALE FROM THIS DRAWING