



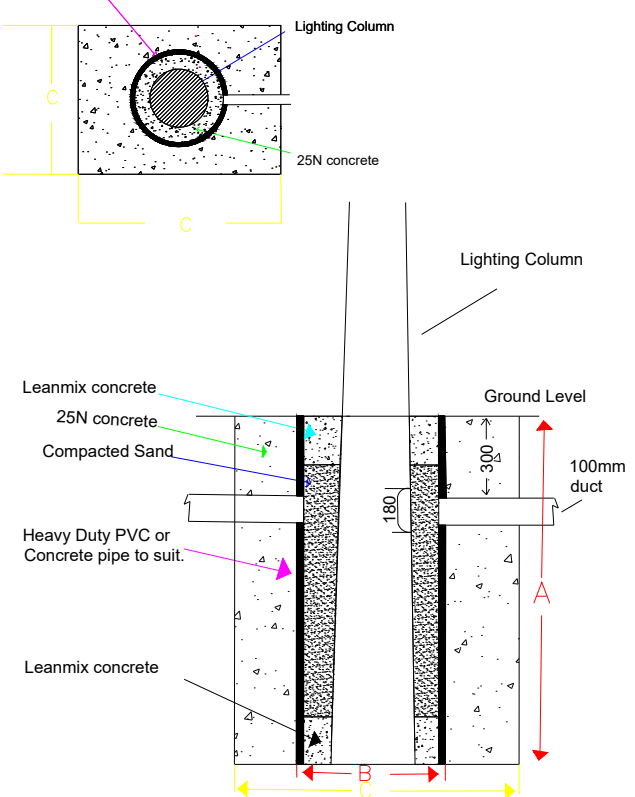
- Note:**
All LED lanterns must have Constant Light Output (CLO).
Automatically dimmed to 75% each night from 12 midnight to 6am.
All lanterns to have 7pin NEMA sockets fitted.
Electronic PhotoCells switched at 35/18lux
All columns, luminaires, cable and pillars, shall comply with Local Authority General 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 A COLUMN DETAILS**
- HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 53
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 13w LED
MAKE & MODEL : C.U.Phosco P950-28LP-P4A-727-C500
- TYPE B Bollard DETAILS**
- HEIGHT : 1m
BRACKET LENGTH : N/A
INCLINATION : 0 Degrees
QUANTITY : 30
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 5
MAKE & MODEL : Thorlux - Passway Bollard - PW19912L - Asymmetrical - 2700K LEDs
- TYPE C COLUMN DETAILS**
- HEIGHT : 5m ABACUS Raise & lower type
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 34
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 8
MAKE & MODEL : C.U.Phosco E950-28LP-R3A-727-C250
- TYPE D COLUMN DETAILS**
- HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 6
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 17w LED
MAKE & MODEL : C.U.Phosco E950-28LP-F2A-727-C650
- TYPE E COLUMN DETAILS**
- HEIGHT : 8m
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 4
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 71W LED
MAKE & MODEL : Schreder - Axis 2.2 - 48 LED - 5167-500mA - 727 - Rear louvres
- Existing HID luminaire estimated as 150 Watt SON-T.
- TYPE G COLUMN DETAILS**
- HEIGHT : 1m
BRACKET LENGTH : N/A
INCLINATION : 0 Degrees
Module QUANTITY : 4
LANTERN DETAILS
MODULE WATTAGE : 4W LED
MAKE & MODEL : Schreder - Alinea Handrail - 3 LED - 5121-350mA - 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 8mm 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 rose 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.
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K	Updated site layout	AN	CHK	22-03-22
J	Updated site layout	AN	CHK	14-03-22
I	Updated site layout	AN	CHK	22-10-21
H	Updated site layout	AN	CHK	06-10-21
G	New site layout	AN	CHK	27-09-21
F	P65 Relocated	GS	CHK	22-03-21
D	Design updated.	GS	CHK	25-02-21
C	New site layout used-redesigned to suit.	GS	CHK	23-02-21
B	New site layout used	GS	CHK	20-1-21
A	New site layout used	GS	CHK	11-06-2020
REV	DESCRIPTION	INITS	CHK'D	DATE

CLIENT/CUSTOMER
Kinwest Ltd.

PROJECT
Auburn House

TITLE
Public Lighting Layout

DRAWN A.N - G.S.	SCALE 1:1000 @A1	DATE 29-03-20
DRAWING NUMBER SES 01820	ISSUE 12	

BASE DRAWING NUMBER

DRAWING ORIGIN

DO NOT SCALE FROM THIS DRAWING