



USE	SUPPLY	DESIGN CURRENT	CABLE SIZE	VOLT DROP
(Amps)	(Amps)	(Amps)	(mm ²)	(Volts)
10	10	10	1.5	0.1
20	20	20	2.5	0.2
30	30	30	4.0	0.3

- TYPE A COLUMN DETAILS**
 - HEIGHT : 6m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 12
 - LANTERN DETAILS
 - AVERAGE WATTAGE (CLO) : 11W LED
 - MAKE & MODEL : C.U.Phosco P652-12-P4-NW-CB0450
- TYPE B COLUMN DETAILS**
 - HEIGHT : 6m ARACUS Raise & lower type
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 5
 - LANTERN DETAILS
 - AVERAGE WATTAGE (CLO) : 5W LED
 - MAKE & MODEL : C.U.Phosco P652-12-R38-NW-CB0200
- TYPE C COLUMN DETAILS**
 - HEIGHT : 6m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 50
 - LANTERN DETAILS
 - AVERAGE WATTAGE (CLO) : 27W LED
 - MAKE & MODEL : C.U.Phosco P652-12-F2-NW-CB0700
- TYPE D COLUMN DETAILS**
 - HEIGHT : 10m
 - BRACKET LENGTH : Post-top
 - INCLINATION : 0 Degrees
 - COLUMN QUANTITY : 36
 - LANTERN DETAILS
 - AVERAGE WATTAGE (CLO) : 64W LED
 - MAKE & MODEL : C.U.Phosco P652-256-P4-NW-C050

Notes:
 All LED luminaires must have Constant Light Output (CLO).
 Automatically dimmed to 75% each night from 12 midnight to 6am.
 All luminaires to have 7pin NEMA socket fitted.
 Electronic Photocells switched at 200 lux.
 All columns, brackets, cables and wires, 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 600mm from face of kerb.

- 200sq NYCC cable laid in ducting to ETO ET101. Single wall ducting, colour red to be used. Manufactured from high density polyethylene (HDPE), 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 up most in the ducting. All works to Local Authority specification. 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)
- Public lighting cable chamber as per Local Authority P/L Dept. specification.



NOTES
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 NO ACCOUNT IS TAKEN FOR THE BLOSSING EFFECT CAUSED BY FOLIAGE, 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 Faculty 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/indications 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	INTS	CHKD	DATE
1		GS	CHK	
2		GS	CHK	
3		GS	CHK	
4		GS	CHK	
5		GS	CHK	
B	Latest site layout used. Redesigned to suit	GS	CHK	26-04-22
A	Latest site layout used. Redesigned to suit	GS	CHK	06-04-22

CLIENT/CUSTOMER
Quintain

PROJECT
Adamstown Boulevard Residential

TITLE
Public Lighting Layout

DRAWN
 G.S

SCALE
 1:750@A1

DATE
 25-02-22

DRAWING NUMBER
SES 02522

ISSUE
 3

BASE DRAWING NUMBER
 edit

DRAWING CHG#
 edit

DO NOT SCALE FROM THIS DRAWING