



- TYPE C COLUMN DETAILS**
- HEIGHT : 6m Raise & Lower as required.
  - BRACKET LENGTH : Post-top
  - INCLINATION : 0 Degrees
  - COLUMN QUANTITY : 9
  - LANTERN DETAILS
  - WATTAGE (CLO) : 11
  - MAKE & MODEL : C.U.Phosco E950-28LP-R3A-740-C0400
- TYPE C COLUMN DETAILS**
- HEIGHT : 6m
  - BRACKET LENGTH : 0.3m twin stub bracket @180°
  - INCLINATION : 0 Degrees
  - COLUMN QUANTITY : 1 (2 luminaires)
  - LANTERN DETAILS
  - WATTAGE (CLO) : 11
  - MAKE & MODEL : C.U.Phosco E950-28LP-R3A-740-C0400  
C.U.Phosco E950-28LP-R3A-740-C0400

- TYPE J COLUMN DETAILS**
- HEIGHT : 6m Raise & Lower as required.
  - BRACKET LENGTH : Post-top
  - INCLINATION : 0 Degrees
  - COLUMN QUANTITY : 16
  - LANTERN DETAILS
  - WATTAGE (CLO) : 9
  - MAKE & MODEL : C.U.Phosco E950-28LP-R3A-730-C0300
- TYPE K COLUMN DETAILS**
- HEIGHT : 6m Raise & Lower as required.
  - BRACKET LENGTH : Post-top
  - INCLINATION : 0 Degrees
  - COLUMN QUANTITY : 7
  - LANTERN DETAILS
  - WATTAGE (CLO) : 36
  - MAKE & MODEL : C.U.Phosco E950-28HP-R3A-730-SE050

- TYPE B COLUMN DETAILS**
- HEIGHT : 6m
  - BRACKET LENGTH : Post-top
  - INCLINATION : 0 Degrees
  - COLUMN QUANTITY : 4
  - LANTERN DETAILS
  - WATTAGE (CLO) : 16
  - MAKE & MODEL : C.U.Phosco E950-28LP-F2A-740-C0600

**Volt drop calculation for the most onerous circuit**

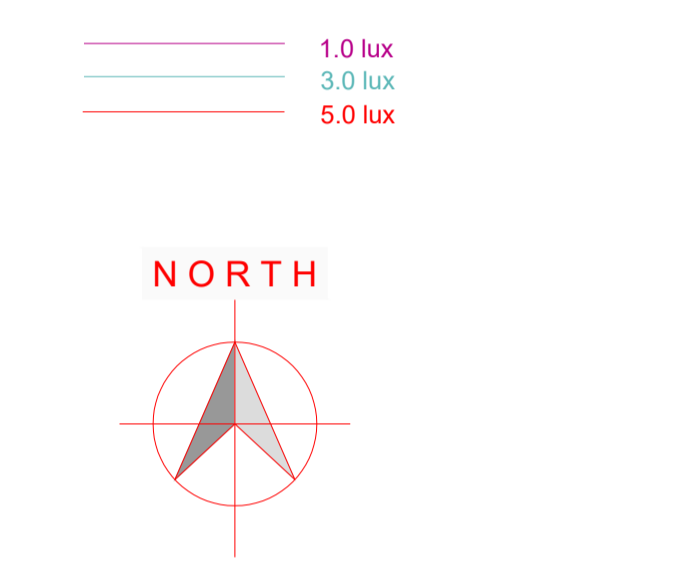
USE SUPPLY	WIRING SYSTEM	CIRCUIT	DESIGN CURRENT (amps per phase)	CABLE SIZE (mm <sup>2</sup> )	CABLE LENGTH (m)	PHASE (amps)	VOL% DROP (max)
L1	SBP	MANA	0.35	1000	100	10	0.25
L1	SBP	MANA	1.1	0.35	1000	100	0.25

- Luminaire G E950-28-P4A-740-C600-16W Existing Proposed LED luminaire
- Luminaire L E950-28-R3A-740-C200-7W Existing Proposed LED luminaire
- Luminaire N AXIA 3.3 5295 64@500mA NW 740 Existing Proposed LED luminaire
- ⊕ Luminaire O E950-28-P4A-740-C650-17W Existing Proposed LED luminaire
- ⊕ Luminaire P E950-28-P6A-740-SE0575-25W Existing Proposed LED luminaire

- TYPE A COLUMN DETAILS**
- HEIGHT : 6m
  - BRACKET LENGTH : Post-top
  - INCLINATION : 0 Degrees
  - COLUMN QUANTITY : 29
  - LANTERN DETAILS
  - WATTAGE (CLO) : 16
  - MAKE & MODEL : C.U.Phosco E950-28LP-P6A-740-C0600

**NOTES:**  
 All LED lanterns must have Constant Light Output (CLO).  
 Automatically dimmed to 75% each night from 12 midnight to 6am. (U14 Profile)  
 All lanterns to have Top NEMA socket fitted.  
 Electronic Photocells switched at 35°lux.  
 All columns, luminaires, cable and pillars, shall comply with Local Authority General Specifications 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.

20kg NYCC cable laid in ducting to I.S.10101:2020.  
 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 9mm at 1m intervals. The lettering to face upwards 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)  
 Public lighting cable chamber as per Local Authority PL Dept. specification.



**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 Really 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	INTS	CHK'D	DATE
-	?	GS	CHK	-----
F	Updated as per comments & coordinated with other phases	AN	CHK	26-03-24
E	Updated to TIC areas only. Circuit layout added	AN	CHK	08-01-24
D	3000 K LEDs on specified ball corridor.	AN	CHK	12-12-22
C	Updated as per comments	AN	CHK	08-12-22
B	Creche play area added	AN	CHK	16-11-22
A	Updated Site Layout	AN	CHK	11-11-22

CLIENT/CUSTOMER  
**Cairn Homes**

PROJECT  
**Clonburris T2**

TITLE  
**Public Lighting Layout**

DRAWN  
 A.N

SCALE  
 1:500@ A1

DATE  
 21-09-22

DRAWING NUMBER  
 SES 13122

ISSUE  
 7

BASE DRAWING NUMBER  
 DRAWING ORIGIN  
 DO NOT SCALE FROM THIS DRAWING