



TYPE D COLUMN DETAILS

HEIGHT : 6m
 BRACKET LENGTH : Post-top
 INCLINATION : 0 Degrees
 COLUMN QUANTITY : 4
LANTERN DETAILS
 WATTAGE (CLO) : 12
 MAKE & MODEL : Urbis-Schreder- Axia 2.1 - 8 LED @400mA-5165-NW-740- Rear louvres

TYPE A COLUMN DETAILS

HEIGHT : 6m
 BRACKET LENGTH : Post-top
 INCLINATION : 0 Degrees
 COLUMN QUANTITY : 6
LANTERN DETAILS
 WATTAGE (CLO) : 26
 MAKE & MODEL : Urbis-Schreder- Axia 2.1 - 16 LED @400mA-NW-740- Rear louvres

TYPE B COLUMN DETAILS

HEIGHT : 6m
 BRACKET LENGTH : Post-top
 INCLINATION : 0 Degrees
 COLUMN QUANTITY : 4
LANTERN DETAILS
 WATTAGE (CLO) : 21
 MAKE & MODEL : Urbis-Schreder- Axia 2.1 - 16 LED @350mA-NW-740- Rear louvres

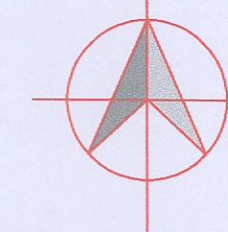
Existing LED luminaire estimated photometry

Volt drop calculation for the most onerous circuit

ESB SUPPLY	SOURCE PILLAR	CIRCUIT	DESIGN CURRENT (Amps per Phase)	CABLE SIZE (Sqmm)	CABLE LENGTH (m)	TUBE (Amps)	VOLT DROP (Volts)
S1	MP2	MAA	1.1	2x604	180	16	0.51
S1	MP2	1.1	0.43	2x604	180	10	0.51

- 0.25 lux
- 0.5 lux
- 1.0 lux
- 3.0 lux
- 5.0 lux

NORTH



Notes:
 All LED luminaires must have Constant Light Output (CLO).
 Automatically dimmed to 70% each night from 12 midnight to 04:00.
 All luminaires to have 700mA sockets fitted.
 Electronic Photocells switched at 35/15lux.
 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 500mm from face of kerb.

2x604 NYCC cable laid in ducting to IS 10101:2002.
 Single well 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 letters 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 P.L. 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
 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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- ?	GS	CHK	-----
- ?	GS	CHK	-----
- ?	GS	CHK	-----
- ?	GS	CHK	-----
- ?	GS	CHK	-----
- ?	GS	CHK	-----

REV	DESCRIPTION	INITS	CHKD	DATE
A	Updated site layout	AN	CHK	28-02-23

CLIENT/CUSTOMER
Deane & Deane Limited

PROJECT
Main Street Newcastle

TITLE
Public Lighting Layout

DRAWN A.N	SCALE 1:500@A1	DATE 18-10-22
DRAWING NUMBER SES 15222	ISSUE 2	

BASE DRAWING NUMBER
 DRAWING ORIGIN

DO NOT SCALE FROM THIS DRAWING