

1.0 lux
3.0 lux
5.0 lux

NORTH

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 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 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.

Luminaire A P863-128-R2-4x4-730-SD-0375-70W
8m Column. See SES 12025 for details.

Luminaire C P863-128-R2E-730-W3-200-28W
8m Column. See SES 12025 for details.

Luminaire B E950-28-R3A-730-C250-7W
5m Raise & Lower Column. Qty 19.

Luminaire D E950-28-P4P-730-C650-16W
6m Column. Qty 46.

Luminaire E E950-28-F2A-730-C650-16W
6m Column. Qty 14.

Luminaire E/H E950-28-F2A-730-C650-16W
6m Column Twin mounted on 0.3m bracket. Qty 1 (2 Luminaires).

Luminaire F BGP291 DW50 730 5.0klm
Existing Column, estimated photometry. See SES 12025 for details.

Luminaire H E950-28-R3A730-C400-10W
6m Column. Qty 2.

2X6sq NYCY 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
to be clearly legible 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	A	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	B	450	400	400	300
EXCAVATION (width x length)	C	1000	800	600	400

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	INITS	CHKD	DATE
-	?	GS	CHK	----------
-	?	GS	CHK	----------
-	?	GS	CHK	----------
-	?	GS	CHK	----------
-	?	GS	CHK	----------
C	Revised site layout	AN	CHK	10-04-26
B	Revised site layout	AN	CHK	22-03-26

CLIENT/CUSTOMER
Ballymore Development Ltd.

PROJECT
Naas Racecourse
Residential Area & Creche

TITLE
Public Lighting Layout

DRAWN	SCALE	DATE
A.N	1:500@A1	28-08-25

DRAWING NUMBER
SES 11925 Sheet 1

ISSUE
4

BASE DRAWING NUMBER

DRAWING ORIGIN

DO NOT SCALE FROM THIS DRAWING