

DATE: 12 September 2024
DESIGNER: Thomas McCormack / Ross Traynor
PROJECT No: 24036
PROJECT NAME: Tay Lane

**LIGHTING
REALITY**

Designed in accordance with ISEN:13201.1:2015 Class P4 & in accordance with South Dublin County Council Public Lighting Specification Rev 0.

Public Lighting Report

PREPARED BY: McElligott Consulting Engineers
D4 Riverview Business Park,
Nangor Road,
Dublin 12

Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	440.92	292.29	133.69	103.00	1.49	1.49

Luminaires

Luminaire A Data



Supplier	C U Phosco
Type	E950-28-P4A-730-C600-16W
Lamp(s)	730N
Lamp Flux (klm)	2.25
File Name	E950-28-P4A-730-C0600-16W.ies
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	659.3, 183.1, 0.3
No. in Project	2

Luminaire B Data



Supplier	C U Phosco
Type	E950-28-R3A-730-C300-9W
Lamp(s)	730N
Lamp Flux (klm)	1.21
File Name	E950-28-R3A-730-C0300-9W.ies
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	716.7, 30.6, 0.3
No. in Project	14

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	453.57	319.46	6.00	107.00	0.00	0.00	0.40			
2	A	475.46	321.29	6.00	88.00	0.00	0.00	0.40			
3	A	477.28	340.97	6.00	269.00	0.00	0.00	0.40			
4	B	447.49	338.52	6.00	15.00	0.00	0.00	0.40			
5	B	460.52	344.91	6.00	253.00	0.00	0.00	0.40			
6	B	499.80	329.50	6.00	179.00	0.00	0.00	0.40			
7	B	500.68	352.94	5.00	175.00	0.00	0.00	0.40			
8	B	506.64	360.57	6.00	178.00	0.00	0.00	0.40			
9	B	489.36	370.46	6.00	254.00	0.00	0.00	0.40			
10	B	505.27	381.91	6.00	159.00	0.00	0.00	0.40			
11	B	519.48	391.62	6.00	105.00	0.00	0.00	0.40			
12	B	531.98	383.88	6.00	9.00	0.00	0.00	0.40			
13	B	535.06	366.77	6.00	9.00	0.00	0.00	0.40			
14	B	531.37	351.04	6.00	277.00	0.00	0.00	0.40			
15	B	524.48	335.11	6.00	0.00	0.00	0.00	0.40			
16	B	512.55	324.48	6.00	270.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.30
Emin	1.27
Emax	17.15
Emin/Emax	0.07
Emin/Eav	0.24