

DATE: 5 March 2025
DESIGNER: Michael O'Callaghan
PROJECT No: C25001
PROJECT NAME: Kinsale Lighting Design



Lighting to BS5489:1:2020
Estate Roads/Footpaths to Class P4
Entrance Road to Class P3

Luminaire A - iGuzzini UFO UD84 E10K 3000K 3.64klm
Luminaire B - iGuzzini Twilight Copenhagen Symmetric Optic 3000K
3.41klm
Luminaire C - iGuzzini Twilight Copenhagen Asymmetric Optic
3000K 5.47klm

Louvres to be fitted to Lamps
1C, 5A, 6C, 8C, 9C, 11C, 12C, 13B, 15C, 16C, 17C, 19A, 20A,
26A, 27C, 29C, 30B

Lighting Report

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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	Carpark Entrance	24.78	34.44	14.97	39.71	1.15	1.42
2	General Work Area	2.76	11.11	203.19	117.40	1.53	1.61

Luminaires

Luminaire A Data

Supplier	
Type	UD84_E10K
Lamp(s)	LED 3000K CRI70
Lamp Flux (klm)	3.64
File Name	UD84_E10K.IES
Maintenance Factor	0.50
Imax70,80,90(cd/klm)	569.9, 13.1, 0.0
No. in Project	9

Luminaire B Data

Supplier	
Type	2773(ADAPTER-01-04-15-F5-H1)_E23C
Lamp(s)	LED Warm White CRI70
Lamp Flux (klm)	3.41
File Name	2773-01_X582-01_E23C.IES
Maintenance Factor	0.50
Imax70,80,90(cd/klm)	219.7, 80.1, 2.1
No. in Project	9

Luminaire C Data

Supplier	
Type	E324(ADAPTER-01-04-15-F5-H1)_E52C
Lamp(s)	LED Warm White CRI70
Lamp Flux (klm)	5.47
File Name	E324-01_X582-01_E52C.IES
Maintenance Factor	0.33
Imax70,80,90(cd/klm)	353.9, 18.4, 2.1
No. in Project	14

Layout

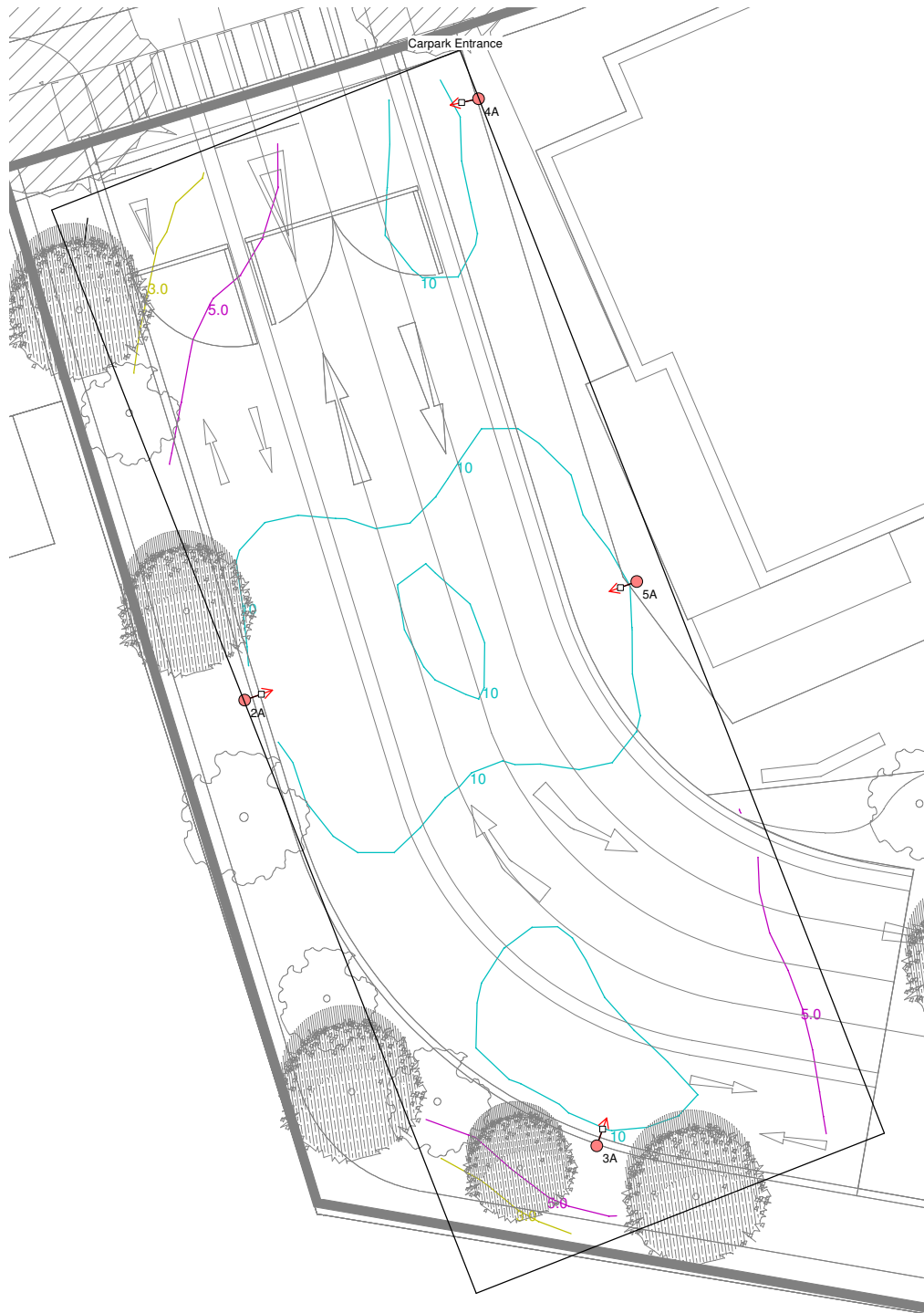
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	C	48.26	60.68	6.00	287.00	0.00	0.00	0.00			
2	A	16.88	54.68	6.00	20.00	0.00	0.00	0.60			
3	A	28.90	39.48	6.00	70.00	0.00	0.00	0.60			
4	A	24.87	75.21	6.00	193.00	0.00	0.00	0.60			
5	A	30.27	58.73	6.00	200.00	0.00	0.00	0.60			
6	C	70.92	70.53	6.00	292.00	0.00	0.00	0.00			
7	C	69.90	94.62	6.00	298.00	0.00	0.00	0.00			
8	C	81.97	88.78	6.00	215.00	0.00	0.00	0.00			
9	C	89.89	82.28	6.00	307.00	0.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
10	B	113.45	74.52	6.00	82.00	0.00	0.00	0.00			
11	C	108.33	95.27	6.00	304.00	0.00	0.00	0.00			
12	C	121.62	104.66	6.00	346.00	0.00	0.00	0.00			
13	B	112.14	123.13	6.00	210.00	0.00	0.00	0.00			
14	B	130.76	97.43	6.00	10.00	0.00	0.00	0.00			
15	C	145.17	81.63	6.00	72.00	0.00	0.00	0.00			
16	C	135.57	67.16	6.00	161.00	0.00	0.00	0.00			
17	C	117.33	55.51	6.00	302.00	0.00	0.00	0.00			
18	B	85.75	62.42	6.00	202.00	0.00	0.00	0.00			
19	A	129.32	53.42	6.00	72.00	0.00	0.00	0.60			
20	A	156.44	45.73	6.00	71.00	0.00	0.00	0.60			
21	A	184.03	50.20	6.00	338.00	0.00	0.00	0.60			
22	A	195.22	76.32	6.00	340.00	0.00	0.00	0.60			
23	B	192.55	94.89	6.00	251.00	0.00	0.00	0.00			
24	C	184.24	105.45	6.00	249.00	0.00	0.00	0.00			
25	C	164.01	113.10	6.00	243.00	0.00	0.00	0.00			
26	A	172.68	39.89	6.00	66.00	0.00	0.00	0.60			
27	C	89.49	42.74	6.00	153.00	0.00	0.00	0.00			
28	B	152.62	93.54	6.00	59.00	0.00	0.00	0.00			
29	C	169.27	82.76	6.00	155.00	0.00	0.00	0.00			
30	B	114.65	29.29	6.00	165.00	0.00	0.00	0.00			
31	B	97.71	76.18	6.00	111.00	0.00	0.00	0.00			
32	B	187.38	62.68	6.00	340.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Carpark Entrance



Results

Eav	8.79
Emin	1.83
Emax	12.92
Emin/Emax	0.14
Emin/Eav	0.21

Horizontal Illuminance (lux)

General Work Area



Results

Eav	6.11
Emin	1.23
E _{max}	13.18
E _{min} /E _{max}	0.09
E _{min} /E _{av}	0.20