

DATE: 22 April 2022
DESIGNER: WLC
PROJECT No: WLC648
PROJECT NAME: OAKLAND CARE HOME



REV R1: CLIENT REVIEW.
REV R2: CLIENT REVIEW.

THE PROPOSALS HAVE BEEN DESIGNED TO MEET THE
REQUIREMENTS OF THE FOLLOWING TARGET LIGHTING
CLASS(ES): SECURITY AND WAYFINDING PURPOSES ONLY.

LEVELS ACHIEVED:
REFER TO INDIVIDUAL GRID WITHIN REPORT.

WLC648-LC-AC-001-R2

PREPARED BY: Williams Lighting Consultants Ltd.
t: 01608 642530
e-mail: info@wlclighting.co.uk
website: www.wlclighting.co.uk

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	OAKLAND	199.16	141.67	99.00	90.00	1.50	1.50
2	VERTICAL GRID 1	236.92	153.63	9.46	5.00	1.35	1.25

Luminaires

Luminaire A Data

Supplier	
Type	Kirium Bulkhead -16LED-2.7k-300mA-Medium-12W
Lamp(s)	16 x 2.7k LED
Lamp Flux (klm)	1.42
File Name	Kirium Bulkhead-16LED-2.7k-300mA-Medium-12W.ies
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	114.6, 45.6, 7.2
No. in Project	14

Luminaire B Data

Supplier	
Type	Kirium Pro 1-16LED-2.7k-C2-Rear Shield 350mA UMSUG 42 0018 0000
Lamp(s)	16 x 2.7kLED
Lamp Flux (klm)	1.86
File Name	Kirium Pro 1-16LED-2.7k-C2-Rear Shield 350mA UMSUG 42 0018 0000 100.ies
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	913.5, 111.2, 0.0
No. in Project	2

Luminaire C Data

Supplier	
Type	ORL3010-S
Lamp(s)	5W
LampFlux(klm)/Colour	0.54 3000K/85
File Name	ORL3010-S.idt
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	14.7, 7.2, 4.7
No. in Project	4

Layout

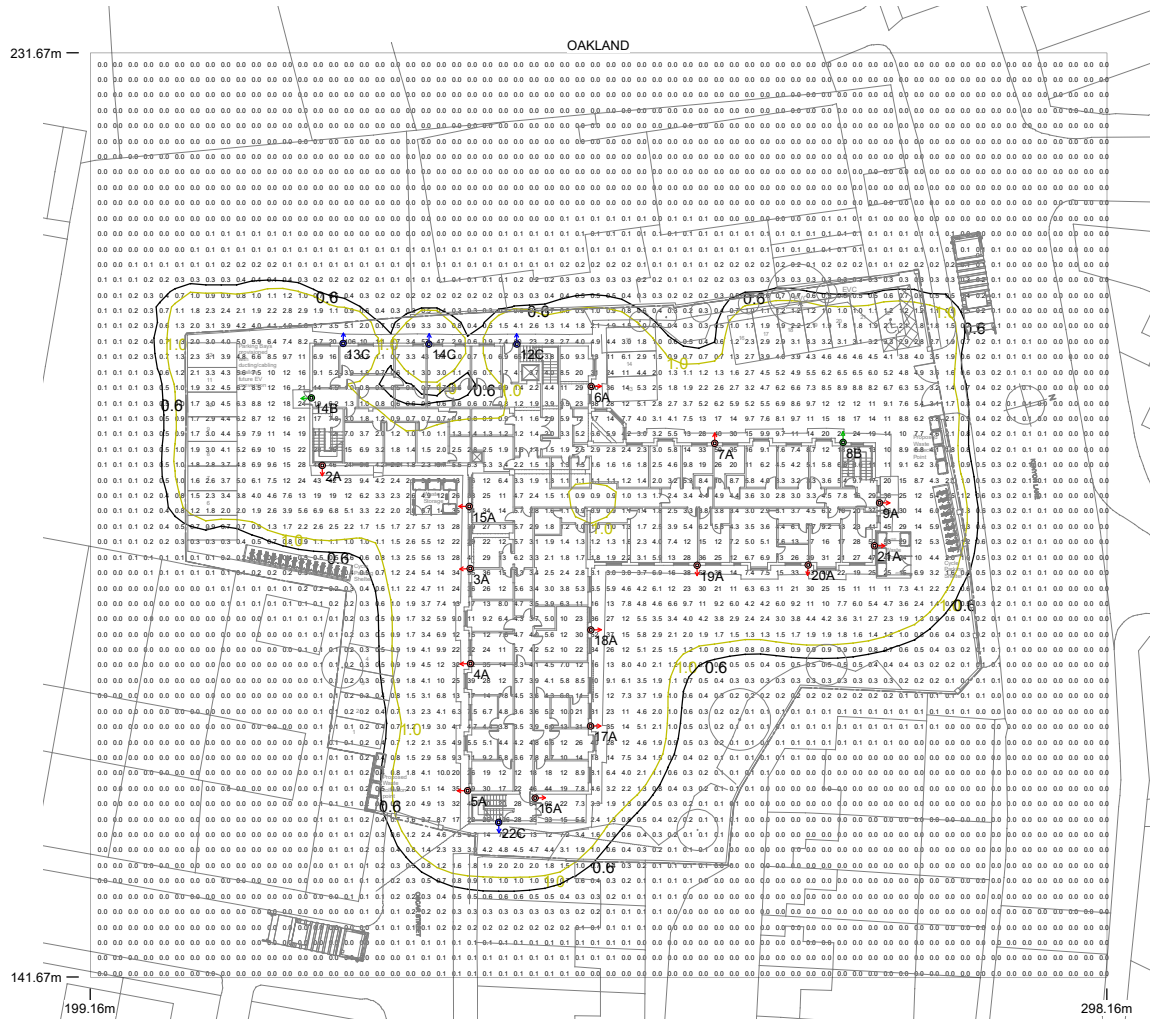
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
2	A	221.76	191.50	3.00	269.00	0.00	0.00	0.00			
3	A	236.14	181.47	3.00	183.00	0.00	0.00	0.00			
4	A	236.18	172.20	3.00	181.00	0.00	0.00	0.00			
5	A	235.89	159.83	3.00	180.00	0.00	0.00	0.00			
6	A	247.93	199.21	3.00	0.00	0.00	0.00	0.00			
7	A	259.97	193.64	3.00	91.00	0.00	0.00	0.00			
8	B	272.44	193.76	4.00	90.00	0.00	0.00	0.00			
9	A	275.99	187.85	3.50	0.00	0.00	0.00	0.00			
12	C	240.70	203.32	2.20	92.00	0.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
13	C	223.78	203.38	2.20	88.00	0.00	0.00	0.00			
14	C	232.12	203.32	2.20	87.00	0.00	0.00	0.00			
14	B	220.68	198.09	4.00	184.00	0.00	0.00	0.00			
15	A	236.05	187.52	3.00	181.00	0.00	0.00	0.00			
16	A	242.47	159.14	2.50	1.00	0.00	0.00	0.00			
17	A	247.86	166.15	3.00	0.00	0.00	0.00	0.00			
18	A	247.91	175.49	3.00	1.00	0.00	0.00	0.00			
19	A	258.26	181.78	3.00	269.00	0.00	0.00	0.00			
20	A	269.05	181.81	3.00	267.00	0.00	0.00	0.00			
21	A	275.51	183.67	3.00	1.00	0.00	0.00	0.00			
22	C	238.93	156.76	1.80	271.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

OAKLAND



Results

Eav	2.87
Emin	0.00
Emax	136.16
Emin/Emax	0.00
Emin/Eav	0.00

Illuminance (lux)

VERTICAL GRID 1

0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.1	0.1	0.1	0.1	0.1	0.1
0.4	0.4	0.3	0.3	0.3	0.2	0.2

Results

Eav	0.10
Emin	0.01
E _{max}	0.42
E _{min} /E _{max}	0.02
E _{min} /E _{av}	0.10