

DATE: 6 February 2024
DESIGNER: EDS
PROJECT No: 720
PROJECT NAME: Withycombe Farm, S38

**LIGHTING
REALITY**

Designed to lighting class P4

Outdoor Lighting Report

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	443386.05	240137.75	257.71	314.87	1.50	1.50
2	Grid 2	443410.13	239919.16	227.52	213.91	1.50	1.50

Luminaires



Luminaire A Data

Supplier	D W Windsor
Type	KIRIUM PRO MINI 16LED 3k D4 550mA UMS UG 42 0025 0000 100
Lamp(s)	16 x 3k LED
Lamp Flux (klm)	3.75
File Name	KIRIUM PRO MINI 16LED 3k D4_550mA UM SUG 42 0025 0000 100.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	588.4, 134.0, 0.0
No. in Project	45

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	443424.00	240449.67	5.00	199.00	0.00	0.00	0.50			
2	A	443434.36	240415.40	5.00	201.00	0.00	0.00	0.50			
3	A	443424.73	240400.41	5.00	122.00	0.00	0.00	0.50			
4	A	443382.24	240361.86	5.00	50.00	0.00	0.00	0.50			
5	A	443393.51	240384.69	5.00	324.00	0.00	0.00	0.50			
6	A	443356.34	240381.87	5.00	50.00	0.00	0.00	0.50			
7	A	443337.54	240396.55	5.00	5.00	0.00	0.00	0.50			
8	A	443409.08	240351.75	5.00	230.00	0.00	0.00	0.50			
9	A	443394.75	240330.14	5.00	148.00	0.00	0.00	0.50			
10	A	443369.90	240313.88	5.00	343.00	0.00	0.00	0.50			
11	A	443434.56	240322.90	5.00	206.00	0.00	0.00	0.50			
12	A	443443.63	240288.44	5.00	29.00	0.00	0.00	0.50			
13	A	443455.78	240255.47	5.00	17.00	0.00	0.00	0.50			
14	A	443405.95	240225.33	5.00	13.00	0.00	0.00	0.50			
15	A	443434.46	240235.95	5.00	285.00	0.00	0.00	0.50			
16	A	443461.47	240230.34	5.00	18.00	0.00	0.00	0.50			
17	A	443475.02	240196.29	5.00	32.00	0.00	0.00	0.50			
18	A	443479.93	240168.88	5.00	0.00	0.00	0.00	0.50			
19	A	443507.18	240188.24	5.00	115.00	0.00	0.00	0.50			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
20	A	443536.57	240204.00	5.00	122.00	0.00	0.00	0.50			
21	A	443530.35	240231.71	5.00	198.00	0.00	0.00	0.50			
22	A	443513.92	240259.89	5.00	13.00	0.00	0.00	0.50			
23	A	443514.16	240292.84	5.00	198.00	0.00	0.00	0.50			
24	A	443503.90	240321.17	5.00	203.00	0.00	0.00	0.50			
25	A	443464.97	240292.96	5.00	120.00	0.00	0.00	0.50			
26	A	443486.52	240313.92	5.00	295.00	0.00	0.00	0.50			
27	A	443486.84	240347.56	5.00	214.00	0.00	0.00	0.50			
28	A	443466.13	240376.04	5.00	220.00	0.00	0.00	0.50			
29	A	443446.44	240398.72	5.00	221.00	0.00	0.00	0.50			
30	A	443464.63	240409.04	5.00	306.00	0.00	0.00	0.50			
31	A	443486.63	240425.47	5.00	253.00	0.00	0.00	0.50			
32	A	443492.04	240143.17	5.00	25.00	0.00	0.00	0.50			
33	A	443503.88	240117.79	5.00	21.00	0.00	0.00	0.50			
34	A	443487.09	240096.96	5.00	113.00	0.00	0.00	0.50			
35	A	443454.19	240081.84	5.00	111.00	0.00	0.00	0.50			
36	A	443423.47	240075.80	5.00	84.00	0.00	0.00	0.50			
37	A	443393.86	240088.82	5.00	342.00	0.00	0.00	0.50			
38	A	443519.24	240084.31	5.00	26.00	0.00	0.00	0.50			
39	A	443543.41	240052.01	5.00	202.00	0.00	0.00	0.50			
40	A	443520.51	240065.38	5.00	291.00	0.00	0.00	0.50			
41	A	443488.94	240051.02	5.00	295.00	0.00	0.00	0.50			
42	A	443460.45	240038.22	5.00	294.00	0.00	0.00	0.50			
43	A	443430.01	240014.82	5.00	113.00	0.00	0.00	0.50			
44	A	443403.60	240007.16	5.00	22.00	0.00	0.00	0.50			
45	A	443547.01	240021.20	5.00	17.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	7.50
Emin	1.00
Emax	23.00
Emin/Emax	0.04
Emin/Eav	0.13

Horizontal Illuminance (lux)

Grid 2



Results

Eav	7.50
Emin	1.00
Emax	23.00
Emin/Emax	0.04
Emin/Eav	0.13