

**DATE:** 8 July 2024  
**DESIGNER:** EDS  
**PROJECT No:** 589  
**PROJECT NAME:** Himley Village S38 On Site Phase 2A (Rev A)

**LIGHTING  
REALITY**

Side Roads designed to P4  
Rev A - Updated base layout

## 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	455467.78	223222.01	112.84	129.86	1.48	1.49
2	Grid 2	455570.63	223061.45	242.70	153.54	1.50	1.49

### Luminaires

#### Luminaire B Data



Supplier	D W Windsor
Type	KIRIUM PRO1 32LED 3k C2 800mA UMSU G 42 0070 0000 100
Lamp(s)	32 x 3k LED
Lamp Flux (klm)	10.08
File Name	KIRIUM PRO1 32LED 3k C2_800mA UMSU G 42 0070 0000 100.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	794.0, 43.8, 0.0
No. in Project	5

#### Luminaire C Data



Supplier	D W Windsor
Type	KIRIUM PRO MINI 16LED 3k D4 550mA U MSUG 42 0025 0000 100
Lamp(s)	16 x 3k LED
Lamp Flux (klm)	3.75
File Name	KIRIUM PRO MINI 16LED 3k D4_550mA U MSUG 42 0025 0000 100.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	588.4, 134.0, 0.0
No. in Project	13

### Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
P9	B	455550.50	223334.18	8.00	248.00	0.00	0.00	0.50			
P4	B	455563.98	223186.83	8.00	341.00	0.00	0.00	0.50			
P27	B	455708.45	223221.15	8.00	248.00	0.00	0.00	0.50			
P28	B	455747.14	223206.40	8.00	248.00	0.00	0.00	0.50			
P29	B	455782.06	223171.34	8.00	81.00	0.00	0.00	0.50			
6	C	455545.33	223297.98	6.00	157.00	0.00	0.00	0.40			
7	C	455532.36	223267.97	6.00	159.00	0.00	0.00	0.40			
8	C	455501.02	223250.15	6.00	70.00	0.00	0.00	0.40			
9	C	455535.73	223237.01	6.00	70.00	0.00	0.00	0.40			
10	C	455622.50	223141.68	6.00	346.00	0.00	0.00	0.40			
11	C	455645.70	223173.57	6.00	160.00	0.00	0.00	0.40			
12	C	455654.34	223126.40	6.00	77.00	0.00	0.00	0.40			
13	C	455695.03	223120.10	6.00	248.00	0.00	0.00	0.40			
14	C	455732.43	223106.75	6.00	251.00	0.00	0.00	0.40			
15	C	455757.34	223142.36	6.00	341.00	0.00	0.00	0.40			
16	C	455745.83	223109.99	6.00	341.00	0.00	0.00	0.40			
17	C	455710.87	223178.26	6.00	161.00	0.00	0.00	0.40			
18	C	455698.58	223142.68	6.00	163.00	0.00	0.00	0.40			

## Horizontal Illuminance (lux)

Grid 1



### Results

Eav	6.69
Emin	1.71
Emax	14.05
Emin/Emax	0.12
Emin/Eav	0.26

## Horizontal Illuminance (lux)

Grid 2



### Results

Eav	5.56
Emin	1.05
Emax	23.03
Emin/Emax	0.05
Emin/Eav	0.19