

DATE: 23 July 2026
DESIGNER: WLC
PROJECT No: WLC1549
PROJECT NAME: Wood Vale, Billinghamurst, West Sussex



R1: Client Review

The proposed lighting design adheres to the requirements of the following lighting class(es):

Achieved lighting levels: Wayfinding only

Refer to report for specific results.

WLC1549-LC-AC-001 R1

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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	Grid 1	509455.34	126049.94	132.00	91.21	1.50	1.50
2	Grid 2	509471.11	126046.19	33.00	33.00	1.50	1.50
3	Vertical Grid 3	509521.76	126081.37	26.86	5.00	1.49	1.25
4	Vertical Grid 2	509514.14	126067.40	15.72	5.00	1.43	1.25
5	Vertical Grid 1	509503.07	126070.83	11.44	5.00	1.43	1.25

Luminares

Luminaire A Data

Supplier	
Type	Sierra Solar Bollard_Symmetric_2700K
Lamp(s)	5050 2.7K RA70 T1
Lamp Flux (klm)	0.90
File Name	Sierra Solar Bollard_Symmetric_2700K.ies
Maintenance Factor	1.00
Imax70,80,90(cd/klm)	136.9, 26.2, 7.2
No. in Project	13

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	509485.42	126071.93	1.00	14.00	0.00	0.00	0.00			
2	A	509488.03	126062.77	1.00	27.00	0.00	0.00	0.00			
3	A	509497.58	126062.66	1.00	104.00	0.00	0.00	0.00			
5	A	509521.50	126070.43	1.00	133.00	0.00	0.00	0.00			
6	A	509471.47	126065.69	1.00	104.00	0.00	0.00	0.00			
7	A	509526.53	126079.42	1.00	154.00	0.00	0.00	0.00			
8	A	509531.23	126090.19	1.00	189.00	0.00	0.00	0.00			
9	A	509534.03	126101.03	1.00	128.00	0.00	0.00	0.00			
10	A	509478.84	126074.23	1.00	285.00	0.00	0.00	0.00			
11	A	509543.93	126107.63	1.00	113.00	0.00	0.00	0.00			
12	A	509554.28	126109.76	1.00	95.00	0.00	0.00	0.00			
13	A	509564.79	126110.11	1.00	91.00	0.00	0.00	0.00			
14	A	509479.87	126057.57	1.00	105.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	17.43
Emin	0.01
Emax	131.14
Emin/Emax	0.00
Emin/Eav	0.00

Horizontal Illuminance (lux)

Grid 2



Results

Eav	4.24
Emin	0.03
Emax	84.05
Emin/Emax	0.00
Emin/Eav	0.01

Illuminance (lux)

Vertical Grid 3

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
0.0	0.1	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	0.0	0.0
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1

Results

Eav	0.05
Emin	0.02
Emax	0.14
Emin/Emax	0.17
Emin/Eav	0.44

Illuminance (lux)

Vertical Grid 2

0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Results

Eav	0.05
Emin	0.02
E _{max}	0.13
E _{min} /E _{max}	0.15
E _{min} /E _{av}	0.37

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	0.0
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	0.0

Results

Eav	0.02
Emin	0.01
E _{max}	0.04
E _{min} /E _{max}	0.13
E _{min} /E _{av}	0.36