

DATE: 23 June 2026
DESIGNER: MMA Lighting Consultancy Ltd
PROJECT No: MMA20336
PROJECT NAME: Glebe Road, Letchworth



Proposed Private Lighting Strategy – R0
1m Gemma Nelson Bollards & 2m Ligman JET
Wall Mounted Downlights 2700K LED Luminaire

This lighting design has been produced under instruction from the client with lighting units positioned for wayfinding purposes only as this is not a public space, as a result the lighting levels are not compliant with BS5489. The client accepts full liability of not achieving the lighting levels recommended by BS5489:2020. MMA Lighting Consultancy takes no responsibility for lighting levels in these areas.

A maintenance factor of 1.0 has been used as an example in order to present a worst case scenario perspective.

Base drawing number used in this calculation 'Base-bound-110526'

Outdoor Lighting Report

PREPARED BY: MMA Lighting Consultancy Ltd
99 Old Bath Road
Summer Field House
Charvil
Reading
Berkshire
RG10 9QN
Email: info@mma-consultancy.co.uk
Web: www.mma-consultancy.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	Vertical Grid 1 at 1m heig...	6722.63	-422.77	9.55	1.00	1.36	0.50
2	Vertical Grid 2 at 4m heig...	6722.65	-422.59	9.55	4.00	1.36	1.33

Luminaire

Luminaire A Data

Supplier	
Type	Nelson 20W (2700K)
Lamp(s)	NB20-A3X-00B
LampFlux(klm)/Colour	1.56 2700K/Ra80
File Name	Nelson 20W - 2700K.lid
Maintenance Factor	1.00
Lum. Int. Class	None
No. in Project	13

Luminaire B Data

Supplier	
Type	JE-30454-N-9030
Lamp(s)	1 LED 3000K
Lamp Flux (klm)	0.34
File Name	JE-30454-N-9030.ies
Maintenance Factor	1.00
Lum. Int. Class	G3
No. in Project	18

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	6692.64	-448.22	1.00	270.00	0.00	0.00	0.00			
2	A	6697.74	-448.22	1.00	302.00	0.00	0.00	0.00			
3	A	6708.00	-447.46	1.00	270.00	0.00	0.00	0.00			
4	A	6720.04	-447.45	1.00	270.00	0.00	0.00	0.00			
5	A	6726.64	-448.47	1.00	234.00	0.00	0.00	0.00			
6	A	6745.06	-452.66	1.00	180.00	0.00	0.00	0.00			
7	A	6745.07	-456.72	1.00	180.00	0.00	0.00	0.00			
8	A	6739.72	-463.18	1.00	90.00	0.00	0.00	0.00			
9	A	6727.87	-457.22	1.00	32.00	0.00	0.00	0.00			
10	A	6716.37	-459.27	1.00	180.00	0.00	0.00	0.00			
11	A	6703.18	-459.22	1.00	180.00	0.00	0.00	0.00			
12	A	6700.63	-463.13	1.00	0.00	0.00	0.00	0.00			
13	A	6713.82	-463.18	1.00	0.00	0.00	0.00	0.00			
14	B	6690.92	-444.29	2.00	270.00	0.00	0.00	0.10			
15	B	6698.07	-442.12	2.00	270.00	0.00	0.00	0.10			
16	B	6703.55	-442.34	2.00	270.00	0.00	0.00	0.10			
17	B	6711.81	-441.82	2.00	270.00	0.00	0.00	0.10			
18	B	6715.58	-441.59	2.00	270.00	0.00	0.00	0.10			
19	B	6721.10	-441.81	2.00	270.00	0.00	0.00	0.10			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
20	B	6729.35	-442.30	2.00	270.00	0.00	0.00	0.10			
21	B	6734.83	-442.07	2.00	270.00	0.00	0.00	0.10			
22	B	6741.98	-444.22	2.00	270.00	0.00	0.00	0.10			
23	B	6738.77	-433.09	2.00	90.00	0.00	0.00	0.10			
24	B	6733.25	-430.83	2.00	90.00	0.00	0.00	0.10			
25	B	6727.10	-430.84	2.00	90.00	0.00	0.00	0.10			
26	B	6719.53	-430.45	2.00	90.00	0.00	0.00	0.10			
27	B	6714.05	-430.45	2.00	90.00	0.00	0.00	0.10			
28	B	6708.15	-430.46	2.00	90.00	0.00	0.00	0.10			
29	B	6700.32	-430.89	2.00	90.00	0.00	0.00	0.10			
30	B	6694.14	-430.89	2.00	90.00	0.00	0.00	0.10			
31	B	6688.64	-433.15	2.00	90.00	0.00	0.00	0.10			

Illuminance (lux)

Vertical Grid 1 at 1m height

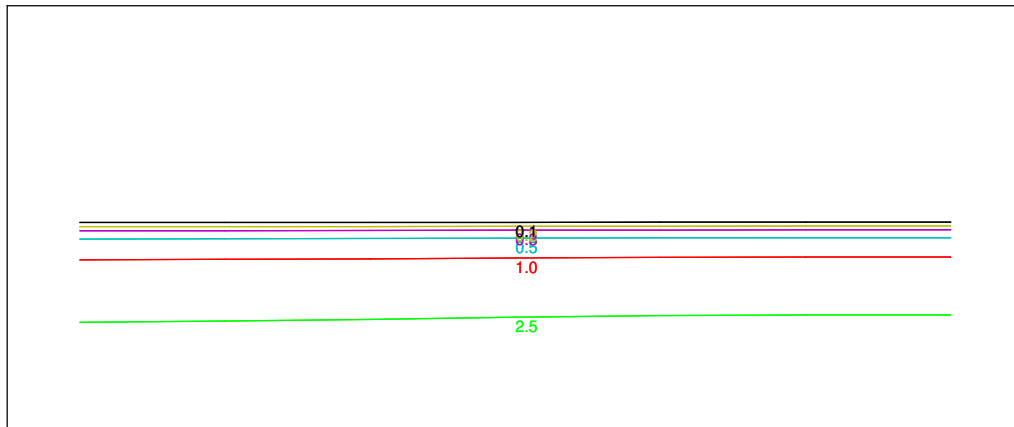


Results

Eav	3.65
Emin	3.44
Emax	3.83
Emin/Emax	0.90
Emin/Eav	0.94

Illuminance (lux)

Vertical Grid 2 at 4m height



Results

Eav	1.19
Emin	0.00
Emax	3.68
Emin/Emax	0.00
Emin/Eav	0.00