

DATE: 5 June 2026
DESIGNER: DFL-UK
PROJECT No: 4460
PROJECT NAME: Ickleford Mill



Location: Ickleford Mill
Environmental Zone: E2

This calculation shows all proposed downlighters that are to be installed onto properties within Ickleford Mill.

Isolux Contours
Red - 0.20 Lux
Green - 0.40 Lux
Blue - 1.00 Lux

4460-DFL-HLG-XX-CA-EO-13002-S3-P02

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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 - Downlight Positio...	518102.86	231188.72	201.42	212.67	1.49	1.50

Luminaires

Luminaire C Data

Supplier	Ligman
Type	Wall Light
Lamp(s)	LED 2700K
Lamp Flux (klm)	0.20
File Name	GI-31591-W27.IES
Maintenance Factor	0.67
Imax70,80,90(cd/klm)	61.8, 25.0, 1.0
No. in Project	100

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	C	518120.29	231228.48	1.80	127.00	0.00	0.00	0.00			
2	C	518126.30	231222.29	1.80	310.00	0.00	0.00	0.00			
3	C	518171.34	231226.44	1.80	220.00	0.00	0.00	0.00			
4	C	518139.08	231243.29	1.80	127.00	0.00	0.00	0.00			
5	C	518142.56	231234.24	1.80	310.00	0.00	0.00	0.00			
6	C	518154.96	231205.49	1.80	310.00	0.00	0.00	0.00			
7	C	518150.05	231212.69	1.80	127.00	0.00	0.00	0.00			
8	C	518178.14	231231.99	1.80	40.00	0.00	0.00	0.00			
9	C	518161.77	231244.40	1.80	220.00	0.00	0.00	0.00			
10	C	518156.39	231250.61	1.80	220.00	0.00	0.00	0.00			
11	C	518171.49	231251.30	1.80	40.00	0.00	0.00	0.00			
12	C	518164.86	231259.13	1.80	40.00	0.00	0.00	0.00			
13	C	518203.70	231252.30	1.80	25.00	0.00	0.00	0.00			
14	C	518195.55	231248.64	1.80	210.00	0.00	0.00	0.00			
15	C	518184.97	231265.18	1.80	210.00	0.00	0.00	0.00			
16	C	518180.07	231271.03	1.80	210.00	0.00	0.00	0.00			
17	C	518194.69	231267.49	1.80	30.00	0.00	0.00	0.00			
18	C	518187.32	231275.09	1.80	30.00	0.00	0.00	0.00			
19	C	518208.73	231281.85	1.80	30.00	0.00	0.00	0.00			
20	C	518215.43	231268.64	1.80	30.00	0.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
21	C	518199.32	231279.61	1.80	210.00	0.00	0.00	0.00			
22	C	518210.02	231262.17	1.80	210.00	0.00	0.00	0.00			
23	C	518236.44	231298.41	1.80	25.00	0.00	0.00	0.00			
24	C	518240.71	231288.27	1.80	25.00	0.00	0.00	0.00			
25	C	518245.25	231280.29	1.80	25.00	0.00	0.00	0.00			
26	C	518230.04	231282.78	1.80	210.00	0.00	0.00	0.00			
27	C	518235.29	231274.03	1.80	210.00	0.00	0.00	0.00			
28	C	518227.47	231292.99	1.80	210.00	0.00	0.00	0.00			
29	C	518259.63	231291.57	1.80	210.00	0.00	0.00	0.00			
30	C	518268.33	231300.46	1.80	130.00	0.00	0.00	0.00			
31	C	518279.26	231302.96	1.80	40.00	0.00	0.00	0.00			
32	C	518271.79	231292.71	1.80	320.00	0.00	0.00	0.00			
33	C	518246.74	231307.12	1.80	220.00	0.00	0.00	0.00			
34	C	518242.90	231311.63	1.80	220.00	0.00	0.00	0.00			
35	C	518233.87	231322.07	1.80	220.00	0.00	0.00	0.00			
36	C	518231.17	231325.25	1.80	220.00	0.00	0.00	0.00			
37	C	518254.46	231312.85	1.80	40.00	0.00	0.00	0.00			
38	C	518249.86	231318.43	1.80	40.00	0.00	0.00	0.00			
39	C	518241.74	231327.48	1.80	40.00	0.00	0.00	0.00			
40	C	518237.25	231333.07	1.80	40.00	0.00	0.00	0.00			
41	C	518262.48	231331.01	1.80	130.00	0.00	0.00	0.00			
42	C	518269.18	231336.42	1.80	130.00	0.00	0.00	0.00			
43	C	518268.70	231325.60	1.80	310.00	0.00	0.00	0.00			
44	C	518273.11	231329.25	1.80	310.00	0.00	0.00	0.00			
45	C	518290.37	231345.33	1.80	25.00	0.00	0.00	0.00			
46	C	518288.13	231349.60	1.80	25.00	0.00	0.00	0.00			
47	C	518279.85	231346.32	1.80	210.00	0.00	0.00	0.00			
48	C	518282.50	231341.32	1.80	210.00	0.00	0.00	0.00			
49	C	518222.18	231338.69	1.80	210.00	0.00	0.00	0.00			
50	C	518219.56	231343.07	1.80	210.00	0.00	0.00	0.00			
51	C	518232.16	231342.22	1.80	30.00	0.00	0.00	0.00			
52	C	518227.27	231350.38	1.80	30.00	0.00	0.00	0.00			
53	C	518225.16	231358.98	1.80	30.00	0.00	0.00	0.00			
54	C	518216.15	231353.55	1.80	210.00	0.00	0.00	0.00			
55	C	518205.52	231344.87	1.80	30.00	0.00	0.00	0.00			
56	C	518201.18	231339.97	1.80	210.00	0.00	0.00	0.00			

Layout Continued

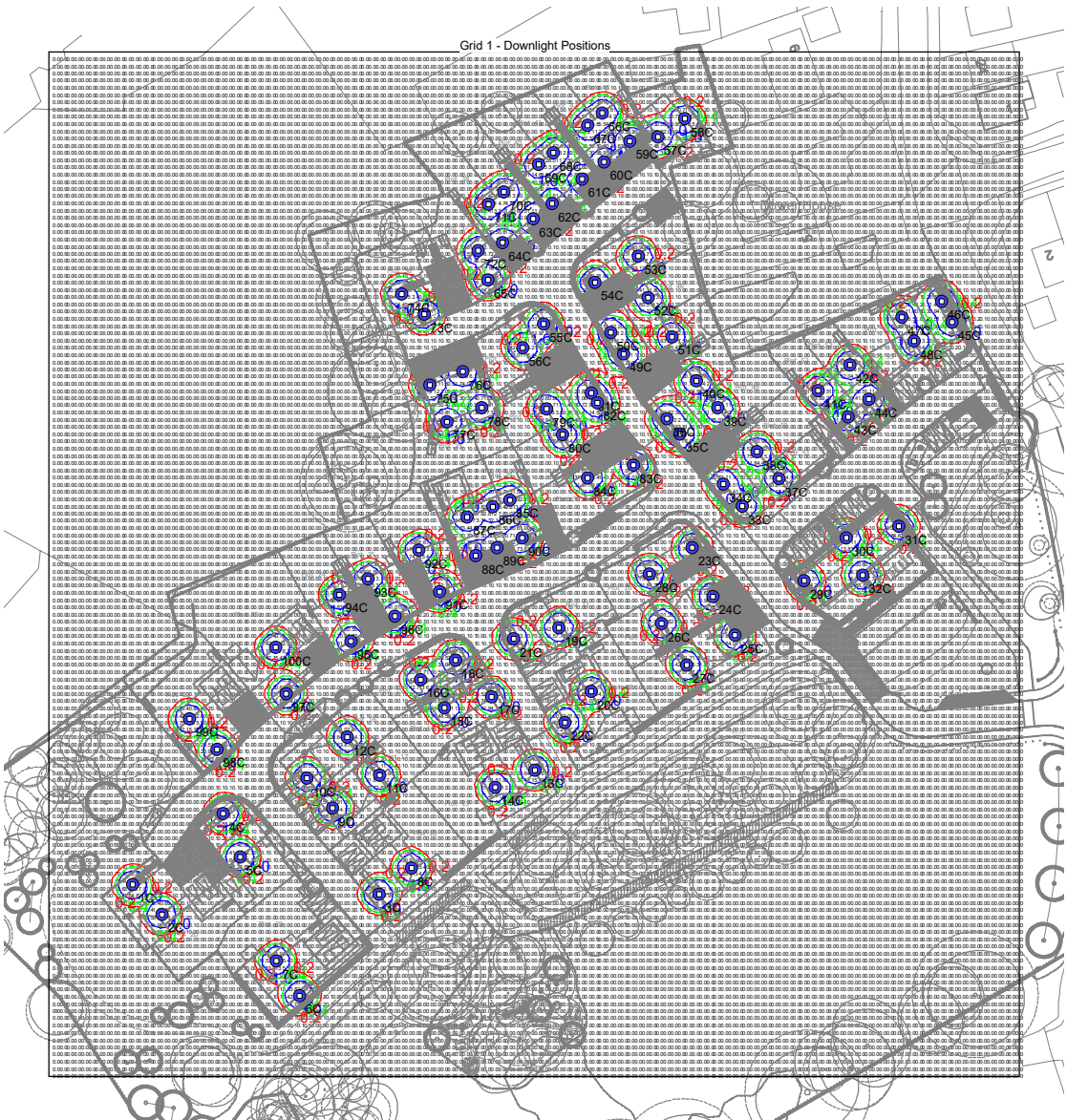
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
57	C	518229.30	231383.75	1.80	220.00	0.00	0.00	0.00			
58	C	518234.88	231387.50	1.80	35.00	0.00	0.00	0.00			
59	C	518223.49	231382.81	1.80	310.00	0.00	0.00	0.00			
60	C	518218.05	231378.50	1.80	310.00	0.00	0.00	0.00			
61	C	518213.57	231374.94	1.80	310.00	0.00	0.00	0.00			
62	C	518207.36	231369.93	1.80	310.00	0.00	0.00	0.00			
63	C	518203.34	231366.76	1.80	310.00	0.00	0.00	0.00			
64	C	518197.08	231361.85	1.80	310.00	0.00	0.00	0.00			
65	C	518194.02	231354.04	1.80	310.00	0.00	0.00	0.00			
66	C	518217.78	231388.68	1.80	130.00	0.00	0.00	0.00			
67	C	518214.72	231386.20	1.80	130.00	0.00	0.00	0.00			
68	C	518207.60	231380.49	1.80	130.00	0.00	0.00	0.00			
69	C	518204.46	231378.06	1.80	130.00	0.00	0.00	0.00			
70	C	518197.34	231372.33	1.80	130.00	0.00	0.00	0.00			
71	C	518194.13	231369.79	1.80	130.00	0.00	0.00	0.00			
72	C	518191.98	231360.11	1.80	130.00	0.00	0.00	0.00			
73	C	518180.74	231347.00	1.80	290.00	0.00	0.00	0.00			
74	C	518176.09	231351.13	1.80	110.00	0.00	0.00	0.00			
75	C	518181.96	231332.17	1.80	110.00	0.00	0.00	0.00			
76	C	518188.82	231334.95	1.80	110.00	0.00	0.00	0.00			
77	C	518185.47	231324.61	1.80	290.00	0.00	0.00	0.00			
78	C	518192.76	231327.49	1.80	290.00	0.00	0.00	0.00			
79	C	518206.23	231327.32	1.80	210.00	0.00	0.00	0.00			
80	C	518209.47	231321.90	1.80	210.00	0.00	0.00	0.00			
81	C	518215.38	231330.56	1.80	30.00	0.00	0.00	0.00			
82	C	518216.71	231328.48	1.80	30.00	0.00	0.00	0.00			
83	C	518224.16	231315.64	1.80	30.00	0.00	0.00	0.00			
84	C	518214.70	231312.95	1.80	210.00	0.00	0.00	0.00			
85	C	518198.59	231308.38	1.80	115.00	0.00	0.00	0.00			
86	C	518195.06	231307.02	1.80	115.00	0.00	0.00	0.00			
87	C	518189.70	231304.81	1.80	115.00	0.00	0.00	0.00			
88	C	518191.43	231296.81	1.80	290.00	0.00	0.00	0.00			
89	C	518195.87	231298.42	1.80	290.00	0.00	0.00	0.00			
90	C	518201.13	231300.55	1.80	290.00	0.00	0.00	0.00			
91	C	518184.01	231289.32	1.80	290.00	0.00	0.00	0.00			
92	C	518179.69	231297.93	1.80	115.00	0.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
93	C	518169.06	231291.93	1.80	120.00	0.00	0.00	0.00			
94	C	518163.17	231288.68	1.80	120.00	0.00	0.00	0.00			
95	C	518165.58	231279.05	1.80	300.00	0.00	0.00	0.00			
96	C	518174.73	231284.30	1.80	300.00	0.00	0.00	0.00			
97	C	518152.10	231268.15	1.80	315.00	0.00	0.00	0.00			
98	C	518137.77	231256.57	1.80	315.00	0.00	0.00	0.00			
99	C	518132.01	231262.90	1.80	130.00	0.00	0.00	0.00			
100	C	518149.95	231277.83	1.80	130.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Grid 1 - Downlight Positions



Results

Eav	0.32
Emin	0.00
Emax	20.15
Emin/Emax	0.00
Emin/Eav	0.00