

Key

Notes

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Isoline and illuminance value (lux) at 1000mm above the ground level.
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Dark zone requirement.
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Location of bird box.
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Location of bat box.
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Vertical calculation surface positioned 1000mm above the ground and 3000mm high.
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Illuminance value (lux) on the vertical surface.
- Drawing to be cross-referenced with the Luminaire Schedule.
 - Locations of light fittings can be found on the Layout Drawing(s).
 - Illuminance measurements (conveyed as isolines / lux contours) have been calculated using a maintenance factor of 1.0.
 - All external lighting within transition spaces is to be operated via PIR control and shall switch off 1-2 minutes after absence has been detected.
 - Dimensions are provided in millimeters.
 - Illuminance measurements are recorded at regular intervals across the designated calculation surface.

40.22	40.17	40.25	40.13	40.17	40.38	40.19	40.12	40.17	40.11	40.14	40.14	40.11	40.14	40.14	40.10	40.12	40.14	40.10	40.16	40.15	40.10	40.14	40.10	40.091	40.10	40.18
40.16	40.27	40.16	40.22	40.12	40.16	40.35	40.12	40.13	40.11	40.25	40.096	40.10	40.25	40.14	40.14	40.11	40.18	40.091	40.16	40.16	40.19	40.15	40.14	40.21	40.084	40.13
40.34	40.18	40.26	40.18	40.15	40.39	40.21	40.17	40.14	40.14	40.21	40.22	40.14	40.14	40.18	40.14	40.094	40.11	40.11	40.22	40.13	40.16	40.12	40.10	40.096	40.17	40.085
40.33	40.32	40.25	40.23	40.19	40.16	40.14	40.14	40.13	40.12	40.10	40.13	40.14	40.14	40.15	40.088	40.099	40.15	40.10	40.16	40.11	40.085	40.089	40.080	40.11	40.10	40.073

V9) Vertical calculation plane is positioned 1000mm above the ground and is 3000mm high.

40.13	40.093	40.25	40.14	40.10	40.090	40.11	40.079	40.075	40.11	40.099	40.10	40.13	40.14	40.11	40.10	40.12	40.099	40.13	40.092	40.083	40.13	40.060	40.096	40.067	40.090	40.087
40.081	40.098	40.28	40.14	40.10	40.11	40.11	40.086	40.093	40.087	40.16	40.10	40.076	40.075	40.18	40.097	40.28	40.11	40.11	40.073	40.11	40.080	40.14	40.073	40.064	40.079	40.11
40.10	40.21	40.091	40.079	40.096	40.11	40.17	40.10	40.10	40.092	40.098	40.096	40.091	40.085	40.072	40.11	40.20	40.066	40.090	40.13	40.11	40.079	40.11	40.090	40.071	40.099	40.091
40.079	40.079	40.097	40.10	40.071	40.077	40.095	40.094	40.080	40.073	40.18	40.12	40.24	40.10	40.074	40.071	40.17	40.069	40.085	40.088	40.090	40.073	40.11	40.10	40.063	40.098	40.084

V10) Vertical calculation plane is positioned 1000mm above the ground and is 3000mm high.

40.093	40.071	40.13	40.10	40.29	40.070	40.10	40.074	40.12	40.078	40.061	40.058	40.083	40.064	40.076	40.082	40.089	40.10	40.048	40.072	40.069	40.097	40.039	40.10	40.042	40.034	40.031
40.072	40.096	40.071	40.085	40.11	40.11	40.10	40.16	40.082	40.082	40.052	40.11	40.063	40.054	40.064	40.095	40.051	40.051	40.065	40.044	40.055	40.041	40.066	40.046	40.066	40.041	40.043
40.086	40.075	40.12	40.054	40.072	40.065	40.086	40.059	40.064	40.067	40.052	40.12	40.062	40.089	40.070	40.061	40.053	40.072	40.053	40.065	40.045	40.047	40.059	40.13	40.055	40.040	40.040
40.050	40.083	40.092	40.052	40.054	40.059	40.066	40.091	40.081	40.054	40.053	40.056	40.059	40.057	40.048	40.10	40.070	40.049	40.049	40.072	40.042	40.12	40.042	40.056	40.043	40.043	40.030

V11) Vertical calculation plane is positioned 1000mm above the ground and is 3000mm high.

40.014	40.023	40.010	40.007	40.010	40.043	40.011	40.008	40.009	40.017	40.008	40.005	40.008	40.008	40.005	40.007	40.005	40.010	40.009	40.003	40.002	40.005	40.002	40.003	40.002	40.004	40.004
40.0	40.0	40.0	40.0	40.0	40.010	40.019	40.005	40.007	40.011	40.008	40.009	40.010	40.019	40.004	40.004	40.003	40.004	40.004	40.004	40.006	40.003	40.004	40.013	40.003	40.004	40.004
40.0	40.0	40.0	40.0	40.0	40.008	40.011	40.007	40.004	40.006	40.033	40.007	40.006	40.005	40.009	40.002	40.003	40.003	40.005	40.003	40.002	40.004	40.002	40.008	40.002	40.002	40.008
40.0	40.0	40.0	40.0	40.0	40.008	40.026	40.009	40.006	40.007	40.009	40.002	40.004	40.004	40.005	40.004	40.002	40.002	40.002	40.001	40.002	40.042	40.004	40.003	40.004	40.004	40.009

V12) Vertical calculation plane is positioned 1000mm above the ground and is 3000mm high.



ECOLOGICAL LIGHTING
SOLUTIONS
WILDLIFE-FRIENDLY LIGHTING DESIGN

Rev: 0
Reason: N/A
Status: For planning
Date: 04/12/25

Project
Hinchliffe Mill

Client
Holroyd Homes

Drawing title
Site Isolines 05

Drawing no.
P25168 – 00 – 05 – ISO

Project no. P25168	Service no. S1	Iteration no. 10
Drawn by BR	Checked by JK	Scale NTS