

Key

0.093	0.15	0.080	0.12	0.12	0.093	0.091	0.17	0.038	0.063	0.053	0.029	0.041	0.090	0.017	0.10	0.048	0.057	0.024	0.079	0.005	0.009	0.020	0.048	0.015	0.007	0.014
0.13	0.071	0.12	0.11	0.077	0.086	0.17	0.16	0.11	0.098	0.070	0.042	0.100	0.043	0.022	0.038	0.034	0.017	0.077	0.029	0.010	0.008	0.013	0.012	0.005	0.081	0.003
0.083	0.11	0.085	0.065	0.064	0.086	0.14	0.061	0.10	0.036	0.019	0.061	0.057	0.024	0.032	0.015	0.038	0.028	0.037	0.014	0.016	0.009	0.003	0.007	0.013	0.003	0.003
0.069	0.071	0.16	0.059	0.084	0.057	0.047	0.022	0.076	0.038	0.064	0.039	0.023	0.042	0.015	0.008	0.008	0.016	0.027	0.004	0.010	0.008	0.009	0.004	0.002	0.003	0.019

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

0.020	0.021	0.004	0.012	0.005	0.005	0.003	0.009	0.005	0.042	0.011	0.004	0.004	0.003	0.005	0.007	0.006	0.008	0.006	0.004	0.006	0.003	0.003	0.004	0.006	0.023	0.004
0.059	0.003	0.011	0.004	0.006	0.031	0.003	0.005	0.003	0.003	0.005	0.003	0.004	0.006	0.004	0.004	0.005	0.004	0.002	0.005	0.018	0.003	0.003	0.003	0.009	0.003	0.005
0.002	0.003	0.004	0.003	0.002	0.005	0.006	0.003	0.002	0.003	0.002	0.003	0.005	0.004	0.023	0.003	0.002	0.002	0.010	0.004	0.003	0.002	0.004	0.003	0.004	0.002	0.003
0.002	0.003	0.014	0.005	0.002	0.007	0.003	0.029	0.002	0.004	0.002	0.002	0.003	0.002	0.017	0.003	0.003	0.002	0.010	0.002	0.002	0.002	0.014	0.002	0.002	0.002	0.008

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



Isoline and illuminance value (lux) at 1000mm above the ground level.



Dark zone requirement.



Vertical calculation surface positioned at 1000mm above ground level.



Illuminance value (lux) on the vertical surface.

Notes

- Drawing to be cross-referenced with the Luminaire Schedule.
- Locations of light fittings (and circuits and controls, where required) 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.
- All other external lighting shall be dimmable to a minimum of 10% of the total light output (although 1% is preferable).
- Dimensions are provided in millimeters.
- Illuminance measurements are recorded at regular intervals across the designated calculation surface.



ECOLOGICAL LIGHTING
SOLUTIONS
WILDLIFE-FRIENDLY LIGHTING DESIGN

Rev:	0
Reason:	N/A
Status:	For planning
Date:	15/01/2026

Project	Land at Bishopstone
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Client	Cherrington Planning
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Drawing title	Site Isolines 04
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Drawing no.	P25180 - 00 - 04 - ISO
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Project no. P25180	Service no. S1	Iteration no. I0
Drawn by BR	Checked by JK	Scale 1:400 A3 1:200 A1