



LIGHTING NOTES:

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RISKS (REFERENCE SHALL ALSO BE MADE TO THE DESIGN RISK ASSESSMENT)

1. PLANNING PURPOSES ONLY - NOT FOR CONSTRUCTION

SYMBOL QUANTITY

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PROPOSED COLUMN AND LANTERN:

PROPOSED 5m GALVANISED STEEL COLUMN WITH POST TOP MOUNTED AT 0° URBS AXIA 3.1.16 LED LANTERN TO BE FITTED WITH DALI DIMMING AND CMS COMPATIBLE LED DRIVER AND PHOTOCELL. LANTERN SHALL DIM TO 75% OUTPUT BETWEEN 20:00 TO 23:00HRS AND 50% OUTPUT BETWEEN 23:00 TO 06:00HRS.
COLUMN REF: 5m STANDARD - CU PHOSCO - FR2505T01/WLTS (L19 TO BE RAISE AND LOWER)
LANTERN REF: URBS AXIA 3.1 / C2.1 / 2.104m / 8 LED / WARM WHITE / 3000K / 0° TILT / 15W
CONTROL GEAR REF: DALI DIMMING AND CMS COMPATIBLE
PHOTOCELL REF: PHOTOCELL - DUSK TO DAWN
DIMMING REGIME: 75% - 20:00HRS TO 23:00HRS AND 50% - 23:00HRS TO 6:00HRS
DIMMING CODE: D19
ISOLATOR REF: TH400024297 SWITCH, PH. LINE TAILS 6MM 6A FUSE
INTERNAL WIRING: 2.5MM² 3 CORE FLEXIBLE ARCTIC GRABE 230V (BLUE)
SERVICE CONNECTION: TBC AT DETAILED DESIGN STAGE AND BY DEVELOPER

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TABLE B: DIMMING REGIMES (D19)

TIME	OUTPUT
DUSK TO 20:00	100%
20:00 TO 23:00	75%
23:00 TO 06:00	50%
06:00 TO DAWN	100%

ECOLOGY NOTES:

- VERTICAL CALCULATION GRIDS START 1M ABOVE GROUND LEVEL AND EXTEND 5M VERTICALLY. CALCULATION LEVELS ARE MEASURED AT APPROX. 1m X 1m INTERVALS.
- HORIZONTAL ILLUMINANCE CONTOURS ARE CALCULATED AT 1M ABOVE GROUND LEVEL.
- ALL RESULTS ARE CALCULATED WITH A MAINTENANCE FACTOR OF 1.00, REPRESENTING DAY ONE, HIGHEST LIGHT LEVELS.
- REFER TO THE VERTICAL ILLUMINANCE TABLE FOR GRID MEASUREMENTS AND RESULTS.
- ALL LUMINAIRES ARE FLAT GLASS WITH ZERO UPWARD LIGHT OUTPUT.
- VERTICAL GRID CALCULATION DIRECTION IS ALWAYS FACING THE PROPOSED LIGHTING

LIGHTING CALCULATION DETAILS:

THE PROPOSALS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE FOLLOWING TARGET LIGHTING CLASS(ES); P5 IN ACCORDANCE WITH BS5489-1:2020.

LEVELS ACHIEVED:
REFER TO LIGHTING CALCULATION REPORTS.

LUX CONTOUR LINES - CALCULATED WITH MAINTENANCE FACTOR SET AT 1.00 AND AT 1m AGL:

SYMBOL	DESCRIPTION
0.20 LUX CONTOUR LINE	0.20 LUX CONTOUR LINE
0.50 LUX CONTOUR LINE	0.50 LUX CONTOUR LINE
1.00 LUX CONTOUR LINE	1.00 LUX CONTOUR LINE
5.00 LUX CONTOUR LINE	5.00 LUX CONTOUR LINE
10.00 LUX CONTOUR LINE	10.00 LUX CONTOUR LINE

DARK CORRIDORS / ECOLOGICALLY SENSITIVE AREAS:

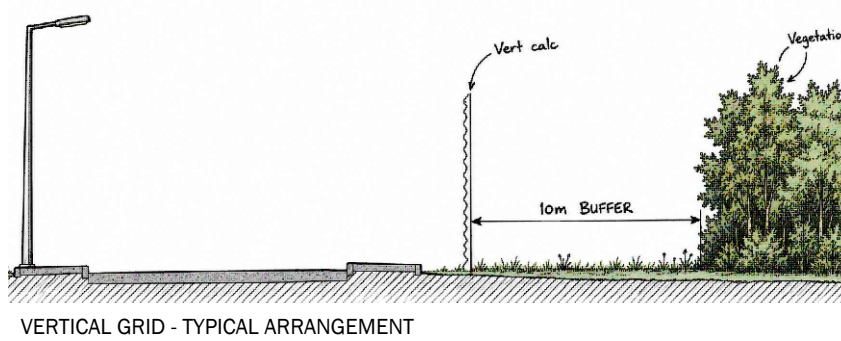
10m BUFFER ZONE EDGE

VERTICAL GRID CALCULATION POINTS:

VERTICAL GRID LOCATIONS - DIFFERENT COLOURS TO DIFFERENTIATE START OF START OF NEW GRID

TABLE A: LIGHTING CALCULATION GRID DETAILS AND RESULTS		
GRID REF	VERTICAL GRID START HEIGHT (m) ABOVE CARRIAGEWAY	E _{max} (lux)*
V1	1	0.11
V2	1	0.22
V3	1	0.16
V4	1	0.05
V5	1	0.03

* ALL VERTICAL LUX LEVELS ARE BELOW THE MAXIMUM 0.4LUX



SCALE BAR 1:500

