

S38 ROAD LIGHTING SCHEDULE:

CU Phosco galvanised tubular stepped steel lighting column of **5m** mounting height. Root base, glass flake treated; 250mm above ground (R2505T01/Wilts).
Complete with 76mm dia post top adaptor. Ordered & installed to current Wiltshire Council specification.
Urbis Axia 3.1, 8LED lantern. Warm white(3000k). Colour grey, to be post top mounted at **0** degree tilt.
Code: Axia 3.1 8 Oslon square giant 270mA. Optic; 52663 (Non CLO 7w, 1.13klm)
UMSUG Code; 42 0007 0000 100. Lantern Reference: B1.1 -3k.

CU Phosco galvanised tubular stepped steel lighting column of **5m** mounting height. Root base, glass flake treated; 250mm above ground (R2505T01/Wilts).
Complete with 76mm dia post top adaptor. Ordered & installed to current Wiltshire Council specification.
Urbis Axia 3.1, 8LED lantern. Warm white(3000k). Colour grey, to be post top mounted at **0** degree tilt.
Code: Axia 3.1 8 Oslon square giant 540mA. Optic; 52673 (Non CLO 15w, 2.10klm)
UMSUG Code; 42 0015 0000 100. Lantern Reference: C2.1 -3k.

SWITCHING NOTES:
Osram Optotronic DIM4 suitable for Telensa CMS DALI auto switch (Note: Sensor ready - may need to be factory disabled). Lantern complete with a 7 pin NEMA socket & Zodion .
SS6 20lux photocells may be used as a temporary method for on/off lantern control prior to installation of Telensa CMS.
Telecell's are to be fitted to lanterns prior to adoption hand over. Telecell reference (bar code) to be affixed within column base and on installation documentation. A CMS base station with capacity to accrue new units may be required. For CMS details and equipment specification to Wiltshire standard contact Telensa. Tel: 01799 533257.

DIMMING REGIME: D19.
Dimming to be applied to all adoptable lanterns. Manufacturer set lantern dimming to 75% output from 8pm to 11pm and 50% output from 11pm to 6am.
Rest of time output at 100%. NOTE: Provision for override of pre programmed dimming by DALI control is required.

ADOPTABLE STANDARD EQUIPMENT POWER SUPPLIES:
Road lighting columns to be supplied via un-metered statutory low voltage supply.
Preferably District Network Operator (DNO). If an IDNO is proposed, a service level agreement must be in place prior to commencement of works. Without such agreement in place, the scheme will not be adopted.
Internal wiring to be 2.5mmsq, 3 core flexible arctic grade 230v (Blue).
Charles Endirect or Lucy Lighting 32A double pole, fused isolator (refer to current Wiltshire Council specification document for single or multi fused circuit isolator specification) to be mounted within lighting column above DNO cut out. Network provider: *TBA by Client*.

WHEN ORDERING LIGHTING EQUIPMENT, IT MUST BE STATED TO THE MANUFACTURER THAT EQUIPMENT IS ISSUED IN COMPLIANCE WITH MOST CURRENT WILTSHIRE COUNCIL SPECIFICATION AND PARTICULAR REFERENCE (WHERE APPLICABLE).

GENERAL SCHEME NOTES:

A) Any alterations to the positions of columns and/or associated equipment to that as shown on this drawing should be referred to the designer to ensure compliance with lighting level requirements. Re-submission to WC for further approval will be required for any proposed change.
B) Adoptable columns to be located to back of footway within adoptable land or to rear of service strip or to a minimum clearance of 0.5m back of kerb into soft verge. Where columns are located in un-adopted land, an adoptable 1mSq build out to WC specification, connected to the adoptable highway is to be built and included on the adoptable agreement plan. Where necessary (to facilitate safe location of column) the adoptable build out should be extended to where the column is detailed to be located. Ease of access for maintenance purposes must be maintained.
C) Any columns located within a shared surface are to be planted within an adoptable build out.
D) All electrical and equipment installation works are to be carried out in accordance with the Electricity at Work Regulations 1989, requirements of the latest edition of the IEE wiring Regulations BS7671, manufacturers instruction and where adoptable, to current Wiltshire Council residential specification (RevS of 20/09/24 currently under review). WC standard detail drawings are available and should be referenced with this drawing.
E) All column doors to face away from on coming traffic unless access restricted or otherwise specified. Ensure correct orientation of lanterns to kerb at 90deg.
F) Final column numbers will be provided by WC following technical approval of lighting proposals. Numbering to be affixed to adoptable columns in line with Wiltshire Council specification. Numbering standard detail (SD/1400/10). Numbers to be affixed 2m above ground facing carriageway.
G) In order to avoid future maintenance issues, the planting of trees and shrubbery in the vicinity of street lighting equipment is to be avoided. Where new lighting columns are to be planted, any proposed trees in close vicinity <4m should be reviewed and re-located.
H) Any additional private area lighting or private wall mounted luminaires being installed by Contractor should be carefully selected to ensure power efficiency, appropriate low wattage and light output avoiding over illumination, glare and light pollution.
I) Locations of street lighting units should be included on sales plans for buyer information prior to property sale.

DESIGN METHODOLOGY AND NOTES:

1) Proposed lighting class for residential roads = P5 (Eav=3.00 to 4.50 Emin=0.60)
2) Proposed lanterns are specified from WC preferred lantern configuration list.
3) Rear Cowls are proposed to be affixed to lanterns as detailed to reduce back light spill. Contours as included on this drawing include maintenance factor.
4) Reference has been made to Ecosupport Biodiversity Net Gain Habitat Management and Monitoring Plan (29 Oct 25) section 6.11 Lighting. The land is brown field and classed as having low potential for bat activity. Whilst bat activity is noted, there are no advised bat roosts nor bat commuting routes. This design provides a sensitive lighting scheme in accordance with Plan recommendations.

WILTSHIRE COUNCIL SPECIFIC NOTES:

1. ALL NEW LIGHTING INSTALLATIONS MUST INCLUDE FOR TELENSA CMS. NEW 7 PIN NEMA MOUNTED TELECELLS WITH INTEGRAL GPS AND DALI DIMMING - T2-E1-NB-3 BLACK, TO BE AFFIXED TO EACH LANTERN.
2. WHERE NECESSARY A BASE STATION WILL ALSO BE REQUIRED AS PART OF THE COMPLETE CMS SYSTEM.
3. WITHOUT INSTALLATION OF TELECELLS, THE SITE SHALL NOT BE DEEMED ACCEPTABLE FOR ADOPTION.
4. ALL STREET LIGHTING IS TO BE INSTALLED IN ACCORDANCE WITH WILTSHIRE COUNCIL MAINTENANCE SPECIFICATIONS AND APPROPRIATE STANDARD DETAILS. REFER TO SD/1300/02, SD/1400/01, SD1400/05 AND SD/1400/10. CONTRACTOR TO ALSO REFER TO WILTSHIRE COUNCIL RESIDENTIAL LIGHTING AND NON RESIDENTIAL SPECIFICATION.
5. UNITS POSITIONED BEHIND THE SERVICE STRIP OR WITHIN UN-ADOPTED LAND WILL REQUIRE A 1mSq FOOTWAY CONSTRUCTION BUILD OUT WHICH IS TO BE INCLUDED IN THE ADOPTION AREA / AGREEMENT PLAN.

DRAWING ISSUE:
FOR COMMENT ONLY
NOT FOR CONSTRUCTION.

LEGEND

- Red boundary line.
- Adoptable area & build outs attached to the adoptable surface.
- Identified bat corridors.
- Proposed trees and shrubs.
- RC Lantern to have a factory fitted **REAR COWL**
- Existing road lighting columns included for reference only.
- Lux contours as shown include maintenance factor.
 - 0.60 Lux
 - 2.00 Lux
 - 4.50 Lux

Adoptable lighting scheme proposals must be technically approved by adopting Authority before works commence. Any purchasing or installation works prior to final technical approval by WC will be conducted "at risk".

10/11/25	Draft 2	Revised Client Layout. Tree plans revised to avoid columns.
19/06/25	Draft 1	Issued for comment. 26-06-25 removed info from blue line.

HEALTH & SAFETY

All installation and existing equipment removal works should be carried out by suitably qualified and competent persons in accordance with, but not limited to, G39 'working in the vicinity of (I)DNO equipment', 'working at height regulations', 'electricity at work regulations', safe digging practices HSG47 'avoiding danger from underground services' and 'code of practice for electrical safety and highway electrical operations'. GS6 "avoidance of danger from overhead electric lines" and the Electricity Association engineering recommendation G39/1, safety code of practice E4 covering electrical safety and planning, installation, commissioning and maintenance of public lighting and other street furniture.
Contractor advised to use suitable underground services locator in conjunction with services drawings prior to commencement of excavation works.
New underground services and overhead cables may be installed following issue of this drawing and during phased works. Contractor must obtain most current and up to date services drawings and confirm exact locations of services prior to and during works. It is the responsibility of the installing organisation to undertake final due diligence ensuring adequate Health and Safety measures are in place to protect workers, the public and services.

HIGHWAY LIGHTING SOLUTIONS Ltd
55, Gorsefield Avenue
Bromborough, Wirral, CH62 6BY
support@highwaylightingsolutions.co.uk

Project:
Redcliffe Homes Ltd
Adoptable S38 Road Lighting

Location:
Land off Woodlands Road
Mere

Drawn by:	Ken Duckers	**Date:**	17/06/25
Checked by:	Ian Buckley	**Date:**	
Telephone:	0151 327 2424	**Fax:**	0151 327 2424
Scale @ A1: 1:500	**Drawing No.:** HLS-990	**Sheet:** 1 of 1	**Revision:** Draft 2