



**OXFORDSHIRE COUNTY COUNCIL STREET LIGHTING SPECIFICATIONS**

- Column** 5m tubular steel column (BS EN 40) BD8407 (Style 4 drg HSD13015) suitable for side-entry mounted lantern. Rationalised wind loading factor for Oxfordshire as specified in PD0547:2009 for design of lighting columns
- Lantern** Holophane Factor LED Lantern Ref: FTRL034NRRL6013TSZ - Green RAL 6013
- Lamp** LED c 3000lm with 4000K colour temperature
- Control** One piece mini photocell (Zodion) set at 55 Lux on 28 lux off
- Column finish** **EPA Compliant Epoxy / Polyurethane Amended Oxfordshire County Council Specification.**  
i.e. Requirements for Lighting Columns, Bracket Arms & Doors (See Oxfordshire amended Appendix 19G). Upper Additional overall coats to be applied in shop to a clean degreased, lightly abraded dry surface.  
**Internal coat to 250mm above ground level & External overall**  
Item 121. Dacrylate 2 Pack Extended cure Epoxy MIO, ref 90-270. Airless Spray. Minimum Dry Film Thickness 100 microns.
- 1<sup>st</sup> Coat:** External coat to 250mm above ground level  
Dacrylate Epoxide 2 Glass Reinforced 2 Pack Epoxy, ref 79-489. Brush/Airless Spray. Minimum Dry Film Thickness 200 microns.
- 2<sup>nd</sup> Coat:** External coat to 250mm above ground level  
Dacrylate Epoxide 2 Pack Epoxy, ref 79-489. Brush/Airless Spray. Minimum Dry Film Thickness 200 microns.
- 3<sup>rd</sup> Coat:** External overall  
Dacrylate Dacel 200 2-Pack Polyurethane Finish RAL 6013 (or other specified colour). 200-line. Conventional Spray. Minimum Dry Film Thickness 75 microns.

- Additional notes:**
- 1) Columns to be sited at the rear of footpath and within adoptable area.
  - 2) Positions are approximate. The Local Authority Engineer reserves the right to alter positions depending on site conditions.
  - 3) All equipment shall comply with the Oxfordshire County Council General Technical Specification.
  - 4) The Contractor shall obtain samples of the paint and technical Data Sheets from the Manufacturers prior to commencement of work.
  - 5) In order to assist the developer, the design Engineer will mark out all of the column positions.
  - 6) All Street Lighting works must be carried out by Highway Electrical Association Registered Contractor.
  - 7) All columns to be numbered two metres from ground level.
  - 8) Electrical Supply to Street Lighting Columns and Illuminated Signs are to be serviced/owned by the local Distributor Network Operator (i.e. Regional Electricity Company).
  - 9) The 'A' file reference number which is on the drawing, is to be quoted in all correspondence.
  - 10) No trees are to be planted within five metres of a column.

NB Touch up on site using 2 Pack paints applied by brush will never offer the same appearance as that of a spray applied finish. For this reason every effort should be made to minimize handling / transportation damage.

Street Lighting to be adopted by OXFORDSHIRE COUNTY COUNCIL

**KERBING KEY**

HB2	- 125x255 HB2 kerb	125 mm face
BN	- 125x150 BN15 dropped 15 mm face	
DK0	- 125x150 BN15 dropped 0 mm face	
EF	- 50x150 EF edging laid flush	
T	- Dropper/transition kerb as required	
CS	- square edged channel block	
BJ	- Blocks Butt Jointed together	
mb	- Highway marker block	
TB	- Timber Bollard (OCC Approved)	
CS	- Circle of Granite Sets	

	Permeable Charcon Andover Textured Infiltro Colour - Silver Grey
	Permeable Charcon Woburn Rumble Infiltro Colour - Rustic
	Permeable Charcon Andover Textured Infiltro Colour - Charcoal
	Permeable Charcon Infiltro Colour - Grey
	Permeable Charcon Infiltro Colour - Burnt Oxer
	Impermeable Charcon Woburn Rumble Colour - Graphite
	Impermeable Masterfint surfacing
	Soft landscaping
	Ecodeck
	Granite Sets
	Impermeable Blocks to be used within designated areas
	Proposed Service Margin
	Brass stud or equivalent to denote the edge of the service margin
	Proposed Limit of O.C.C. Section 38 adoption To be agreed
	Limit of Phase 1 works - Refer to Hyder drawings for details of Spine Road
	Sureset Recycled Glass 6mm Aggregate set within granite sets sunk into ground Colour A=Wild Lavender, Colour B=Pacific
	Timber Bollard with reflective strip (OCC approved)

OCC Lighting Ref: A 4 2 3 6

**WILLMOTT DIXON HOUSING**  
REVIEWED

PRELIMINARY	STATUS
FOR COMMENT	A
FOR CONSTRUCTION	B
SIGNED	C
DATE	

TITLE  
Surface Finishes and Kerb Types  
Sheet 4 of 4  
Bicester Southfields Eco Village  
Bicester  
Oxon

DRAWING NUMBER  
12-1196-04 Sheet 4 of 4 Rev P6

**WILLMOTT DIXON HOUSING**

Rev	Drawn by	CHK'd by	Comments	Date	NOTES
P3	TST	DJ	Layouts updated following meeting with A2D and OCC. Additional detail added	04/03/13	
P4	TST	DJ	Timber bollards added to greenlanes	08/03/13	
P5	TST	DJ	OCC street lighting scheme added	22/04/13	
P6	TST	DJ	Spherical bollards replaced by timber following OCC highway comments	16/04/14	

- NOTES**
1. All dimensions and levels are in metres unless otherwise noted
  2. This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
  3. This drawings has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
  4. This drawing contains coloured lines / information that may not be clear if reproduced in black and white.

**Note**  
Lighting Column Installation  
All columns must be installed within 1 metre of the design position on the lighting layout drawing, otherwise the lighting performance will be impaired.

Landscaping and Planting  
landscaping or planting around the column must be kept at a low level to avoid obstructing the luminaire and must be suitably maintained to avoid any future obstruction that may occur from the long term growth of plants. No account is taken for the blocking effect caused by buildings, trees etc.

DATE: 10/01/2013  
SCALE: 1:200 @ A1  
DESIGNED BY: TST  
STATUS: **SUBJECT TO TECHNICAL APPROVAL**

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