

External Lighting Notes

- This layout shall be read in conjunction with all other services, architectural and structural information, project specifications and contract documentation.
- The electrical installation shall be installed in accordance with the 18th Edition of IET Wiring Regulations BS 7671 (Requirements for Electrical Installations) including all amendments.
- The Electrical Contractor shall be responsible for the design, supply, coordination, installation, testing, commissioning and setting to work of a complete external lighting system.
- All in ground services to be installed at depths to meet NCAO guidelines.
- Lighting shall be provided in accordance with -
 - CIBSE Lighting Guide 6 The Outdoor Environment.
 - BS 12464-2 Outdoor Work Places.
 - BS 5489 Design of Road Lighting.
 - DIE Technical Annex 2E - School Output Specification
 - ILP - Lighting Against Crime
- Lighting shall achieve an average of 10 lux at ground level on road ways and 10 lux on walk ways. Access stairs shall achieve an average of 100 lux and the building entrance shall be illuminated to 50 lux.
- Lighting shall be provided and located in line with the requirements of the Institution of Lighting Engineers guidance notes on the reduction of obtrusive light.
- Final setting out and site coordination to be completed by the Main Contractor or their nominated subcontractor.
- Final locations of lighting columns shall be coordinated with proposed below ground services by the Main Contractor or their nominated subcontractor.
- External lighting control equipment shall incorporate manual override switch, time switch, photocell and contactors to restrict energisation of external lighting when ambient lighting levels are sufficient.
- Draw pit chambers and below ground ducts to be provided and installed by the Main Contractor.
- Carriage way grade draw pit chambers shall be provided where required.
- All cable ducts shall be provided with draw ropes.
- Power cabling to external equipment such as luminaires, CCTV cameras and powered gates shall be carried out in suitably sized multi core XLPE/SWALSF cabling.
- Lighting design in abeyance subject to red line boundary approval from planning.

External Lighting Legend

- Distribution board.
- A1 Single top type LED luminaire on 6m column.
34W 5148lm.
As 'Whitcroft Lighting Mistral Small Area Optic'.
- B1 Bulkhead LED luminaire wall mounted at 3.5m.
9W 1007lm.
As 'Whitcroft Lighting Spere WX'.
- C1 1m bollard LED luminaire.
5.2W 410lm.
As 'Whitcroft Lighting KOLO Bollard Asymmetric'.
- D1 Single top type LED luminaire on 4m column.
101W 11078lm.
As 'Whitcroft Lighting Cygnus ST'.
- F1 Surface linear IP65 LED luminaire.
30W 4628lm.
As 'Whitcroft Lighting ACL Industry'.
- F2 Surface linear IP65 LED luminaire.
13.6W 1651lm.
As 'Whitcroft Lighting ACL Industry'.
- F3 Surface linear IP65 LED luminaire.
17W 2734lm.
As 'Whitcroft Lighting ACL Industry'.
- G1 Building mounted LED floodlight luminaire at 8m.
79W 12068lm.
As 'Whitcroft Lighting Euroflood MidLED'.
- H1 Surface linear IP65 LED luminaire.
15W 1064lm.
As 'Whitcroft Lighting Starline Fixed'.
- I1 Spiked Garden Spotlight LED luminaire.
8W 500lm.
As 'Thorn MARY Garden Spot'.

Redline Overlay

- Planning Application Boundary.
- 8 meter from River Roch.
- 10 meter from River Roch.
- 16 meter from River Roch.

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P04	NT	11.04.25	Stage 4 Draft Issue.
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P02	DW	20.12.24	Stage 3 Issue.
P01	DW	09.12.24	Preliminary Issue.
Rev	By	Date	Description



WILLMOTT DIXON
CONSTRUCTION

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Client

Willmott Dixon

Project

Hopwood Hall FE College - Rochdale Campus

Detail

Stage 4 Issue

Drawing Title

Proposed External Lighting Layout

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