

External Lighting Proposals

As shown to the right, external luminaires have been proposed to the perimeter of the extension to light the pathway. New wall-lights are identified by a red circle on the site plan with the fittings also indicated on the proposed architectural elevations for your consideration. 2 No. column lights have also been proposed to illuminate the roadway. Locations of existing luminaires are indicated by blue circles.

The wall-lights indicated on the site plan will be wall mounted at 2.4m-2.7m from ground level. A provisional luminaire selection has been made and the appointed contractor who undertakes the proposed works shall ensure that their work meets the requirements set out within this document.

Lux Levels	
Access Road (Low Risk)	10 lux
Pathway	5 lux

The above are based on CIBSE Guides for Exterior Lighting, BSEN 12464-2 and BS5849-1 (lighting of roads and public amenity areas).

Controls
The external luminaires will be on timers which can be set by the building user. There will also be a Photocell to prevent lighting coming on during daylight hours.

Lighting Schedule

Luminaire Reference	Luminaire Description	Lamp Type	Proposed Location	Proposed Luminaire
E2	IP65 rated LED emergency bulkhead luminaire c/w 3 hour duration maintained integral battery; clear polycarbonate TP(a) opal lens. As LDL LD5S range or accepted and equivalent	5.5w 245lm LED Lumens 4500K	External Exits	
X1	IP65 IK10 rated 360mm dia LED surface mounted luminaires, c/w aluminium black body& bezel, Opal polycarbonate diffuser; symmetrical downlight distribution; high frequency LED control gear and integral on-off with daylight control As LDL Lighting LD Series range or accepted and equivalent As type X1 but c/w 3-hour integral emergency battery	16w 1480lm LED 4000K Ra 80+ L80 B10	External walkways	
X1E				
X2	IP66 rated 507mm x210mm LED post top street light c/w cast aluminium black body; toughened safety glass street lens distribution; high frequency LED control gear, on/off with daylight control, 6m aluminium column Ral colour to be confirmed. As LDL Lighting Street Small Series range or accepted and equivalent	16w 1445lm LED 4000K Ra 70+ L50 B10	External circulation road	

Key

- Existing Luminaires
- Proposed Wall Light - X1
- Proposed Emergency LED Bulkhead - E2
- Proposed 6m Column Light - X2

Luminaire installation heights shown on plan (heights vary around perimeter of building due to the gradient of the pavement/change in ground level)

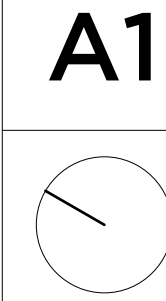


1 Proposed External Lighting Layout
Scale: 1:100

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NOTES:

All dimensions to be checked on site.
Drawing to be read with all relevant Architectural, Interiors, Structural, M&E, Drainage, Public Health, Landscape, Civils and Interiors drawings and specifications. Any discrepancies between consultant's drawings to be reported to the Architect before any work commences.
The Contractor's attention is drawn to the Health & Safety matters identified in the Health & Safety plan as being potentially hazardous.
These items should not be considered as a full and final list.
The Work Package Contractor's normal Health & Safety obligations still apply when undertaking constructional operations both on and off site.
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DEFINEARCHITECTS.CO.UK

Unit 2E
Beehive Mill
Jersey Street
Manchester
M4 6JG

+44 (0)161 528 9492
mail@definearchitects.co.uk

define /

PROJECT

Wardle Academy - Anderson Suite Extension

DRAWING TITLE

Proposed External Lighting Layout

REV	DATE	NOTES
P01	09/08/2023	ISSUED FOR PLANNING
P02	24/10/2023	LAYOUT AMENDED TO ACHIEVE UNIFORM LUX LEVELS, FOLLOWING CALCULATION BY LIGHTING SUPPLIER
P03	08/02/2024	NOTE ADDED REGARDING TIMERS. INSTALLATION HEIGHTS OF LUMINAIRES ADDED TO PLAN.

DRAWN BY
AM

CHECKED BY
GW

JOB NO.
052

STATUS
PLANNING

DRAWING NO.
052_PLN_203

REV
P03