

GENERAL NOTES

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- This lighting design has been prepared in accordance with HEMSA/HEA CDM2015 Guidance Note (Issue 1.1, dated 09/04/15, Procedure 2) and complies with the CDM Regulations 2015, Part 3, Regulation 9 – Duties of Designers.

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- Unless specified column shall be installed at back edge of verge on avenue style and back of path on all local roads and lanes.
- Each development site is required to install one Mayflower 2 Mobitex GPRS sub-master unit to control nodes and link to central control system unless agreed otherwise with the service provider and highway authority.
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- The planting of trees near to lighting columns is to be avoided as future growth may inhibit lighting levels.
- Horizontal clearance for the maximum tree canopy shall be greater than 5m from any proposed lighting columns.
- The developer will be required to pay any energy charges until the date of formal adoption of the street lighting assets.
- The developer will be responsible, for the condition, operation and any risk or liability of all the highways electrical equipment on all approved works until the adoption of the street lighting assets.

SERVICE SAFETY & COORDINATION REQUIREMENTS

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- Prior to starting work, the contractor shall identify all overhead electrical and communication apparatus within or adjacent to the works. Where present, the relevant undertaker shall be consulted, and written safety guidance obtained.
- Works near overhead lines shall comply with HSE Guidance GS6 – "Avoidance of Danger from Overhead Power Lines", including appropriate exclusion zones, barriers, and supervision.
- All installation and removal works shall comply with: Electricity at Work Regulations 1989, Construction (Design and Management) Regulations 2015 (CDM 2015), ENA TS 43-8 (Underground Cable Laying), ENA ER G39/1 (Public Lighting Safety Code of Practice) and all other applicable HSE and electrical safety regulations.
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- Any service diversions or protection works shall be undertaken by, or under the supervision of, the relevant statutory undertaker in accordance with the New Roads and Street Works Act 1991 (NRSWA).
- The contractor shall maintain accurate as-built records of all discovered or relocated services and issue updated information to the overseeing organisation at project completion.

LIGHTING CLASSIFICATION

This lighting design has been produced in accordance with: BS 5489-1:2020, CEN/TR 13201-1:2014 & BS EN 13201-2:2015 outdoor lighting documents and guidelines.

Lighting classification: P4 (BS 5489-1:2020, Table A.5)

Minimum average illuminance (Eav): >5.00 lux <7.50 lux
Minimum illuminance (Emin): >1.00 lux
Lighting Uniformity (Emin/Eav): >0.20 (>20%)

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Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Fabrikat and factory applied painted black finish (RAL9005)

Column Reference: N/A
Luminaire Type: Thorn Isaro Pro
Luminaire Reference: IP 24L70-730 EWR CLO N6 CL1 W10 T76E RAL9005
Mounting Type: Post mounted at 0° tilt & 76mm spigot
Lumen Output: 6.74klm
Charge Code: 41 0053 0000 100 (53w)
Colour Temperature: Warm White (3000K)
Luminous Intensity: G3
Control Gear: Philips DALI enabled dimmable driver
Control Type: Mayflower 2 node mounted in a 6 pin NEMA socket
Dimming Profile: Dimmed to 60% lumen output
Supply: IDNO with double pole isolation
Secondary Isolator: N/A
Internal Wiring: 2.5mm² artc grade flexible cable
Door Orientation: Facing away from oncoming vehicles



Proposed mid-hinged raise and lower galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Fabrikat and factory applied painted black finish (RAL9005)

Column Reference: N/A
Luminaire Type: Thorn Isaro Pro
Luminaire Reference: IP 24L70-730 EWR CLO N6 CL1 W10 T76E RAL9005
Mounting Type: Post mounted at 0° tilt & 76mm spigot
Lumen Output: 6.74klm
Charge Code: 41 0053 0000 100 (53w)
Colour Temperature: Warm White (3000K)
Luminous Intensity: G3
Control Gear: Philips DALI enabled dimmable driver
Control Type: Mayflower 2 node mounted in a 6 pin NEMA socket
Dimming Profile: Dimmed to 50% lumen output
Supply: IDNO with double pole isolation
Secondary Isolator: N/A
Internal Wiring: 2.5mm² artc grade flexible cable
Door Orientation: Perpendicular to kerb edge

UNIT IDENTIFICATION KEY:

LC** Proposed lighting column identification number

ELECTRICAL CONNECTION TYPE:

IDNO Independent distribution network operator connection

ISOLUX CONTOUR KEY (AT GROUND LEVEL):

1.00 Isolux contour line
2.00 Isolux contour line

R1	LAYOUT UPDATE, ADDED FOOTPATH COLUMNS LC32 & LC33	02/06/2026	SRH
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	26/11/2025	SRH
REV	DESCRIPTION	DATE	BY



info@shdlighting.co.uk 07834 490 192 www.shdlighting.co.uk

PROJECT:	GLEN DIMPLEX		
DRAWING:	S38 STREET LIGHTING DESIGN		
CLIENT:	TAYLOR WIMPEY (NORTH WEST)		
DRAWING NUMBER:	SHD2326-SHD-HLG-GLEN-DIMPLEX-Layout-R1	DRAWN:	SRH
	SHEET 1 OF 3	CHECKED:	SRH
CONTRACT NUMBER:	SHD2326	APPROVED:	
	DATE: 26/11/2025	SCALE @ A1	1:500
		REVISION:	R1

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION



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 - This lighting design has been prepared in accordance with HEMSA/HEA CDM2015 Guidance Note (Issue 1.1, dated 09/04/15, Procedure 2) and complies with the CDM Regulations 2015, Part 3, Regulation 9 – Duties of Designers.
- NOTES**
- All works are to be carried out in accordance with the latest Knowsley Metropolitan Borough Council street lighting specification.
 - Any inaccuracies are to be reported to the overseeing organisation.
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 - Column foundations shall be designed in accordance with the manufacturer datasheet/s for the columns and soil types present.
 - Lighting columns are to be installed as per standard details SSE/L/SD/01, SSE/L/SD/02, SSE/L/SD/11, SSE/L/SD/016 & SSE/L/SD/017 and in accordance with manufacturers instructions.
 - The minimum distance for a lighting column to be erected from the kerb face in a service strip shall be 800mm.
 - Unless specified column shall be installed at back edge of verge on avenue style and back of path on all local roads and lanes.
 - Each development site is required to install one Mayflower 2 Mobitex GPRS sub-master unit to control nodes and link to central control system unless agreed otherwise with the service provider and highway authority.
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- SERVICE SAFETY & COORDINATION REQUIREMENTS**
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- This lighting design has been produced in accordance with:
BS 5489-1:2020, CEN/TR 13201-1:2014 & BS EN 13201-2:2015 outdoor lighting documents and guidelines.
- Lighting classification: P4 (BS 5489-1:2020, Table A.5)
- Minimum average illuminance (Eav): >5.00 lux <7.50 lux
Minimum illuminance (Emin): >1.00 lux
Lighting Uniformity (Emin/Eav): >0.20 (>20%)
- Initially designed to lighting class P3, then using CMS, dimmed to lighting class P4

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City 31	Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Fabrikat and factory applied painted black finish (RAL9005)
Column Reference:	N/A
Luminaire Type:	Thorn Isaro Pro
Luminaire Reference:	IP 24L70-730 EWR CLO N6 CL1 W10 T76E RAL9005
Mounting Type:	Post mounted at 0° tilt & 76mm spigot
Lumen Output:	6.74klm
Charge Code:	41 0053 0000 100 (53w)
Colour Temperature:	Warm White (3000K)
Luminous Intensity:	G3
Control Gear:	Philips DALI enabled dimmable driver
Control Type:	Mayflower 2 node mounted in a 6 pin NEMA socket
Dimming Profile:	Dimmed to 60% lumen output
Supply:	IDNO with double pole isolation
Secondary Isolator:	N/A
Internal Wiring:	2.5mm² artic grade flexible cable
Door Orientation:	Facing away from oncoming vehicles

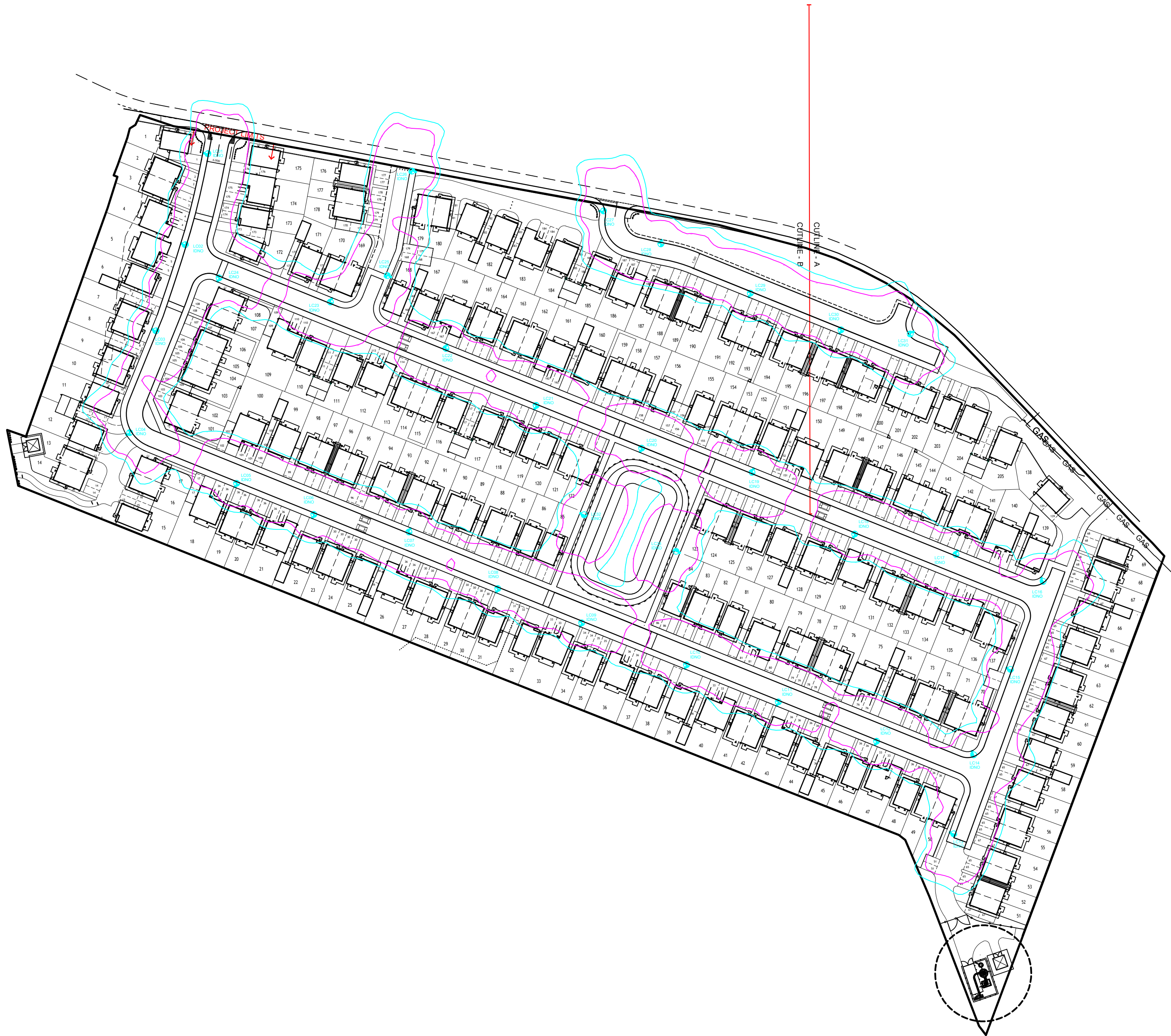
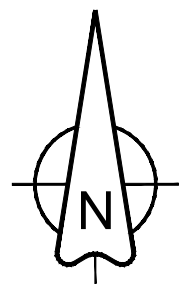
City 2	Proposed mid-hinged raise and lower galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base as supplied by Fabrikat and factory applied painted black finish (RAL9005)
Column Reference:	N/A
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Supply:	IDNO with double pole isolation
Secondary Isolator:	N/A
Internal Wiring:	2.5mm² artic grade flexible cable
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UNIT IDENTIFICATION KEY:	
LC**	Proposed lighting column identification number

ELECTRICAL CONNECTION TYPE:	
IDNO	Independent distribution network operator connection

ISOLUX CONTOUR KEY (AT GROUND LEVEL):	
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R1	LAYOUT UPDATE, ADDED FOOTPATH COLUMNS LC32 & LC33	02/06/2026	SRH
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	26/11/2025	SRH
REV	DESCRIPTION	DATE	BY
SHD info@shdlighting.co.uk 07834 490 192 www.shdlighting.co.uk			
PROJECT:	GLEN DIMPLEX		
DRAWING:	S38 STREET LIGHTING DESIGN		
CLIENT:	TAYLOR WIMPEY (NORTH WEST)		
DRAWING NUMBER:	SHD2326-SHD-HLG-GLEN-DIMPLEX- Lighting Layout R1	DRAWN:	SRH
	CHECKED:	SRH	
CONTRACT NUMBER:	SHEET 2 OF 3	APPROVED:	
	SCALE @ A1	1:500	
SHD2326	DATE:	26/11/2025	REVISION: R1
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Supply: IDNO with double pole isolation
Secondary Isolator: N/A
Internal Wiring: 2.5mm² artic grade flexible cable
Door Orientation: Facing away from oncoming vehicles



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R1	LAYOUT UPDATE, ADDED FOOTPATH COLUMNS LC32 & LC33	02/06/2026	SRH
R0	INITIAL DESIGN FOR REVIEW AND COMMENT	26/11/2025	SRH
REV	DESCRIPTION	DATE	BY



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PROJECT:	GLEN DIMPLEX		
DRAWING:	S38 STREET LIGHTING DESIGN		
CLIENT:	TAYLOR WIMPEY (NORTH WEST)		
DRAWING NUMBER:	SHD2326-SHD-HLG-GLEN-DIMPLEX- Lighting Layout R1	DRAWN:	SRH
	SHEET 3 OF 3	CHECKED:	SRH
CONTRACT NUMBER:	SHD2326	APPROVED:	
	DATE: 26/11/2025	SCALE @ A1: 1:1000	REVISION: R1
PRELIMINARY DESIGN - NOT FOR CONSTRUCTION			

0 1:1000 50 metres