



- GENERAL NOTES**
 - Before construction commences, the site engineer shall ensure that all design information is mutually compatible with all other drawings and documents provided by the overseeing organisation and all drawings and documents are to be read in conjunction with one another.
 - In the event of apparent ambiguity or contradiction, SHD Lighting Consultancy Ltd and the overseeing organisation shall be notified immediately.
 - SHD Lighting Consultancy Ltd accept no liability in the event of not being notified and where construction work has commenced.
 - This lighting design has been prepared in accordance with the HEMSA/HEA Guidance Note - CDM2015 Regulations, Issue 1.1 dated 09/04/15 - Procedure 2 and The Construction (Design and Management) Regulations 2015 - PART 3 Health and safety duties and roles - 9. Duties of designers.
- NOTES**
 - All works are to be carried out in accordance with current Derbyshire County Council street lighting specification and Derbyshire County Council Highway Electrical Standard Detail drawings.
 - Any inaccuracies are to be reported to the overseeing organisation or site engineer immediately.
 - The information on this drawing does not account for installation considerations, site conditions or provide any form of risk assessment.
 - No account is taken for the blocking effect caused by buildings, trees, etc.
 - The calculation shown by this drawing assumes that the whole area being considered is in the same plane, i.e. there are no changes in gradient or elevation.
 - The use of independent distribution network operator's (IDNO's) is permitted. Any chosen IDNO shall have a service level agreement in place with Derbyshire County Council prior to adoption of the new installation.
 - The contractor shall liaise with the IDNO and Derbyshire County Council street lighting engineer or representative in relation to the programming and coordination of any works associated with the connection and disconnection of street lighting equipment.
 - The contractor shall provide Derbyshire County Council street lighting department with the name, address and emergency contact details for any appointed IDNO.
 - The street lighting installation shall be presented within 2 years of design approval for adoption by Derbyshire County Council.
 - Any lighting installation submitted after this time may be subject to a design review and equipment used.
 - The developer will be required to pay any energy liability charges with their electricity supplier until the date of formal adoption of the development.
 - The developer will be responsible, unconditionally, for the condition, operation and any risk or liability of all the highways electrical equipment on all approved agreement works until the date of formal adoption of the lighting assets.
 - Column positions indicated upon this drawing may change without prior or additional notice due to local site or environmental constraints subject to designers approval.
 - Final lighting column positions shall be agreed onsite with the street lighting and electrical designer.
 - The contractor shall provide Derbyshire County Council with as-built drawings, test certificates and column and lantern data sheets in accordance with the current Derbyshire County Council economic, transport and environmental street lighting specification.
 - Lighting column foundations shall be designed in accordance with the manufacturer datasheet's for the columns and soil types present.
 - The minimum distance for a lighting column to be erected from the kerb face in a service strip shall be 1000mm
 - The planting of trees near to lighting columns is to be avoided as future growth may inhibit lighting levels. Due to the layout of the plots and associated driveways it is inevitable that there will be conflict with proposed landscaping features. Where such instances occur the lighting will take precedence in order to satisfy the requirements of the British standard.
 - Lighting columns to be installed in accordance with Derbyshire County Council Highway Electrical Standard Detail: HESD11
 - All lighting columns and any illuminated signposts are to be numbered as indicated on the approved scheme drawings.
 - Numbers to be 50mm (h) x 40mm (w), 1800mm above ground level, either painted in fine white gloss applied directly to the column surface; or other method such as a one piece self-adhesive vinyl label, UV stabilised with a non-degradable life span of 7 years; with a white background and black numerals, as approved by the street lighting engineer or their representative.
 - Service cut-out fuse for 25-amp supplies shall be BS88 rated at 10 amps unless otherwise stated. separately fused double pole isolation shall be provided in accordance with HESD 'DNO' / IDNO isolation arrangements.
 - Orders placed with the luminaire manufacturer shall state compliance with Derbyshire County Councils agreed specification framework and labelled in alpha (a) numeric (n) format "NNNANA", where "NNN" = wattage, "AN" = design category and "A" = dimming element, (e.g. 14PSN).
 - Door orientations (in conjunction with setbacks) will be determined by column positions, in accordance with "HESD positions of columns, brackets and doors".
 - All luminaires are to have CLO enabled.
- STATUTORY SERVICE NOTES**
 - Current statutory service record plans should be obtained by the contractor / overseeing organisation before the commencement of any street lighting installation or removal works.
 - It should be assumed by the contractor that not all services have been identified during the design period. It is the responsibility of the contractor to ensure that all unidentified services are carefully located and reported.
 - The contractor shall identify the location of any overhead electrical or communication equipment prior to the undertaking of any onsite works. Should the presence of such equipment be identified, the contractor shall consult with the relevant statutory undertaker for further guidance.
 - Installation and Removal works should be carried out in accordance with Energy Network Association Technical Specification 43-8, Electricity at Work Regulations 1989, Construction Design and Management (CDM) 2015 & G39/1 and all other relevant Health and Safety Executive regulations.
 - All works in the vicinity of any overhead cables shall conform to the requirements of Health and Safety Executive, Guidance Note GS6 "Avoidance of danger from overhead power lines"
 - All works in the vicinity of underground mains or cables shall conform to the requirements of Health and Safety Executive, Health and Safety Guidance HGS47 "Avoiding danger from underground services" and any additional requirements specified by the relevant undertaker.
 - The contractor will be responsible for liaison with the undertakers and for programming the agreed protection and / or diversion works to any statutory undertakers apparatus into the overall works programme

Proposed galvanised tubular steel lighting column of 6.0 metre nominal height with a planted base and glass flake root protection as supplied by Mallatite finished in Derbyshire Green (RAL6006) to Derbyshire County Council Economic, Transport and Environmental Street Lighting Specification - 01/02/2018 Rev3.

Column Reference: 0106MDPTWP06006PTN

Luminaire Type: Urbis Schreder Axia

Luminaire Reference: Axia 3.1 5267 480mA

Mounting Type: Post top mounted at 0° tilt

Lumen Output: 3.12klm

Charge Code: 42 0026 0000 100

Luminaire Wattage: 25.5w

Colour Temperature: Warm White (3000k)

Luminous Intensity: G2

Control Gear: DALI enabled driver pre-programmed to Elexon/UMSO step-less incremental switch regime F02

Control Type: Lucy Zodion SS3 20lux (1:1 ratio) mounted in 7 pin NEMA socket

Dimming Profile: Dawn until 21:30: 100% lumen output
21:30 until 00:00: 75% lumen output
00:00 until 05:00: 50% lumen output
05:00 until 06:00: 75% lumen output
06:00 until Dawn: 100% lumen output

Supply: IDNO

Primary Isolator: IDNO approved double pole isolator

Secondary Isolator: N/A

Internal Wiring: Wiring to luminaire shall be 2.5mm² PVC insulated flexible cable

Door Orientation: Perpendicular to kerb edge facing away from oncoming vehicles

UNIT IDENTIFICATION KEY:

LC** Proposed lighting column identification number

ELECTRICAL CONNECTION TYPE:

IDNO Independent distribution network operator connection

ISOLUX CONTOUR KEY (AT GROUND LEVEL):

0.20 Isolux contour line

1.00 Isolux contour line

2.00 Isolux contour line

LIGHTING CLASSIFICATION

This lighting design has been produced in accordance with: BS 5489-1: 2020 & 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%)

The details provided on this drawing are subject to comments by all the relevant approving authorities or overseeing organisation.

No construction works shall take place until technical approval has been obtained by the approving authority or overseeing organisation

It is to be understood that these drawings and the information shown are preliminary only and shall not be used for construction.

Should the contractor commence work on site prior to obtaining technical approval, then it is entirely at their own risk and no liability shall be accepted by SHD Lighting Consultancy Ltd.

RO	INITIAL DESIGN FOR REVIEW AND COMMENT	05/09/2024	SRH
REV	DESCRIPTION	DATE	BY

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

SCHEME:	DINTING ROAD, GLOSSOP		
DRAWING:	S38 STREET LIGHTING DESIGN		
CLIENT:	SEDDON HOMES		
DRAWING NUMBER:	SHD1665-SHD-HLG-DINT-DR-ED- Lighting Layout RD	DRAWN:	SRH
	SHEET 1 OF 1	CHECKED:	SRH
CONTRACT NUMBER:	SHD1665	DATE:	05/09/2024
		SCALE @ A1:	1:500
		REVISION:	R0

PRELIMINARY DESIGN - NOT FOR CONSTRUCTION