

23.09.2025

BATS & ARTIFICIAL LIGHT:

1. The lighting design has been undertaken using the Institute of Lighting Professionals (ILP) Guidance Notes Note 08/18 Bats and Artificial Lighting in the UK as well as the Ecology report recommendations.
2. The Proposed luminaires shall be positioned at 0 degrees (horizontal) to maintain the required design standards and luminous intensity class. Luminaires have a luminous intensity above max 90 and 95 of 0 (zero) to mitigate lighting pollution.
3. The installation of shields onto the luminaires are further methods to mitigate light pollution to the front/rear of the luminaire onto ecological areas around the periphery of the site/development.
4. The luminaires proposed are warm white LEDs to reduce blue light component and have sharp cut off, lower intensity, good colour rendition and dimming capability.

NOTES:

1. This drawing is to be used in conjunction with the accompanying Lighting Reality Roadway Report, Design Risk Assessment, Nottinghamshire County Council (NCC), Highway Lighting Specification 6/13(25)LED, the latest issue of the following NCC standard detail drawings: ESD6/1, ESD6/7, ESD6/33, ESD6/51 and ESD6/62.
2. The detailed design drawing and specifications are valid for 3 years from the date of issue to the developer prior to construction works. If the proposed construction work exceeds this period the developer is required to contact Via East Midlands Street Lighting Design Section to ascertain that the detailed design and associated specifications still conform to the latest edition of the British Standards and NCC Specifications.
3. All measurements are in metres.
4. Lighting column and other highway assets symbols are not to scale and have been deliberately oversized for drawing visibility.
5. Electrical installation work is to be carried out in accordance with the requirements of the latest edition of the IET Wiring Regulations, BS7671 and relevant Nottinghamshire County Council standard specifications.
6. Installation to be carried out in accordance with Chapter 8 Safety at Street Works and Road Works Code of Practice.
7. Prior to commencement of any works affecting Nottinghamshire County Council electrical equipment please contact the Via East Midlands Ltd Street Lighting Maintenance section to inform of the works.
8. At adoption stage the developer will be responsible for issuing as installed drawings and electrical test certificates to Via East Midlands street lighting maintenance section, working on behalf of Nottinghamshire County Council.
9. All proposed lighting columns shall be installed at the rear of the footway construction or with a minimum set-back of 1.8m from carriageway edge within Adopted Highway. Lighting column positions and orientations shall be as per Standard Detail drawing ESD6/51.
10. All proposed lighting columns shall have a Single Phase and Neutral (SP&N) 25A DNO service unless otherwise stated. Proposed routes of DNO service cables/ducts to provide electrical supplies to the proposed lighting columns shall be determined and agreed with the DNO.
11. All lighting columns with a SP&N 25A DNO service shall be fitted with a double pole isolator complete with BS88 fuse carrier(s) above the DNO cut-out to provide a means of secondary isolation. (Standard Detail drawing ESD6/33)
12. All new LED lanterns for installation on 6m tubular steel columns shall be able to accept a 76mm diameter post shaft and be positioned at 0 degrees to maintain the required design standards.
13. Proposed LED lanterns shall have dimmed drivers pre-programmed to reduce the light output by 50% between the hours of 22:00 and 07:00 GMT. Proposed photocells shall be the Lucy Zodion Precision HALO (switch off/on level at 20 LUX 1:1) housed in a 4 PIN ZHAGA socket sealed to maintain lantern integrity.
14. No trees or shrubs shall be planted in a position which will adversely affect either the operational capability or maintenance access of any street light or illuminated sign post, throughout the lifetime of the installation in accordance with Standard Detail ESD6/62. Any trees or shrubs which may impact lighting as stated shall be omitted from proposals or re-positioned accordingly.



KEY

SYMBOL DESCRIPTION

Proposed position of new 6m tubular steel column fitted with a post top mounted 20 LED lantern complete with a dimmable driver and 20x20 Lux photo electric cell. Designed using Philips Luminaire Gen2z Micro 20 LED lantern (See page 19).
 (Main reference: ESD/29/1/DM/52/2200/20LED/5.25/CL01/90/750/45)

LUX CONTOUR KEY

- 15 LUX HORIZONTAL CONTOUR LINE
- 10 LUX HORIZONTAL CONTOUR LINE
- 5.0 LUX HORIZONTAL CONTOUR LINE
- 2.0 LUX HORIZONTAL CONTOUR LINE
- 1.0 LUX HORIZONTAL CONTOUR LINE
- 0.1 LUX HORIZONTAL CONTOUR LINE

NCC INVENTORY DETAILS	
LANTERN MANUFACTURER	PHILIPS
LANTERN MODEL	LUMISTRREET GEN2Z MICRO
LIGHT SOURCE / WATTAGE	20 LED WARM WHITE / 12W
SI REGIME	DIMMED (10pm - 7am)
DIMMING (%)	50%
CONTROL TYPE	20x20 ELEC REG 1
CONTROL GEAR	20 LED MODULE
CHARGE CODE	N/A
SWITCHING REGIME	5/75

Rev	Status	Description	Drawn	Chkd	Auth	Date

**S38 FAIRHAVEN
KIRKBY IN ASHFIELD**

Property No. TP2560084

**LIGHTING LUX
CONTOUR LEVELS**

Scale	Drawn	Date	Checked	Date
1:500	M. SHAKEEL	JUL 2025	A. BIONDI	JUL 2025
	Auth		Trace	
	A. BIONDI		M. SHAKEEL	

Drawing No. **H08630/4275/LUX**

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