

Lighting Design Strategy – Lingards Road, Slaithwaite.

The lighting design strategy aims to enhance the overall living experience for residents of Lingards Fold, and existing residents of Lingards Road, while prioritising amenity, biodiversity, and security considerations.

The strategic placement and selection of wall lanterns, bollard lights, and wall lights take into account the need to minimise light pollution, protect local wildlife, and ensure the safety and security of residents.

Amenity:

1. Pathway Illumination:

- Wall lanterns and bollard lights will be strategically positioned along pathways to provide safe and aesthetically pleasing illumination.
- Lights will be directed away from neighbouring properties to prevent light spill and minimise visual impact.

2. Residential Areas:

- Wall lights near doorways and carports will enhance the amenity of individual residences, providing a sense of security and a welcoming atmosphere.
- Light levels will be carefully calibrated to avoid over-illumination, creating a comfortable living environment.

Biodiversity:

1. Lighting Fixtures Selection:

- Fixtures with a warm colour temperature (e.g., 2700K) have been selected to minimise disruption to natural wildlife patterns, particularly for bats.
- We have opted for downward-facing fixtures to reduce upward light spill and minimise the impact on the nocturnal ecosystem.

2. Glare Reduction:

- We have specified fixtures with glare shields or shields that direct light downward, preventing direct line-of-sight exposure to residents and wildlife.
- We have incorporated shields on wall lanterns to prevent light spill onto neighbouring properties.

3. Night Sky-Friendly Products:

- We have chosen fixtures certified by the International Dark-Sky Association (IDA) to ensure compliance with dark-sky-friendly standards.

Security:

1. Strategic Placement:

- We intend to install wall lights near doorways, entrances, and communal spaces to enhance visibility and deter potential intruders. The parking spaces of plots 6-8 and 15, 17, 19-23 will benefit from bollard lighting, and on-street lighting. Car ports will be internally-lit with wall lights, and bollard lighting will follow pathways.

- We will incorporate motion sensors (PIRs) in selected fixtures to activate lighting only when needed, conserving energy and minimising light pollution.

2. **Uniform Illumination:**

- The strategy ensures even distribution of light across common areas to eliminate dark spots, enhancing the overall security of the development.
- It combines ambient lighting with motion-activated fixtures for efficient security lighting.