



Lighting Strategy

The Priory, Whitechapel Road, Cleckheaton, BD19 6HR

Introduction

The lighting design for this development proposes a suitable approach to support the residential development. The aim of the strategy is to provide a minimally obtrusive approach to lighting whilst maintaining functionality, and most importantly safety of residents and visitors.

The site is currently undeveloped and has no external lighting provisions in place. The new development comprising of 8 apartments off Whitechapel Road, will include external lighting for the access road and the site itself. It must be acknowledged that the development and road within it, will be unadopted by the local council, and will therefore be inaccessible to the general public.

Relevant British standards and policies

National Planning Policy Framework 2019 chapters 8 and 15.

BS 5489-1: 2020 – Code of practice for the design of road lighting.

Policies LP24 (Design) and 52 (Protection and improvement of environmental quality) of the Kirklees local plan.

Lighting Strategy

The proposed development will require external lighting for safety, amenity and security during the hours of darkness. The lighting strategy addresses development requirements whilst considering the surrounding area and relevant planning policies and standards.

The development has been commissioned by and designed in partnership with Kirklees Council learning disabilities team and will be home to vulnerable tenants with on-site 24/7 support. Whilst considering relevant planning policy 52, which details unacceptable environmental impacts such as light pollution to protect the environment and quality of life of people.

External property lighting

Lighting Type	Specification
Correlated Colour Temperature (K)	4000K
Luminaire Manufacturer	LUIK
Lumen Output	1210LM
Luminaire Style	Surface Mounted
Typical Image	
Light Source	LED
Mounting Height	1.8m recommended
Controls	Dusk/Dawn Sensors
Mounting Location	Adjacent to each door opening, and on every corner of the buildings.

The lighting has been chosen to provide a safe, anti-vandal and anti-ligature lighting solution to suit the nature of the project.

The lighting will be mounted at 1.8m, below the level of the boundary treatments to the development, ensuring light extending outside of the boundaries of the site is kept to a minimum.

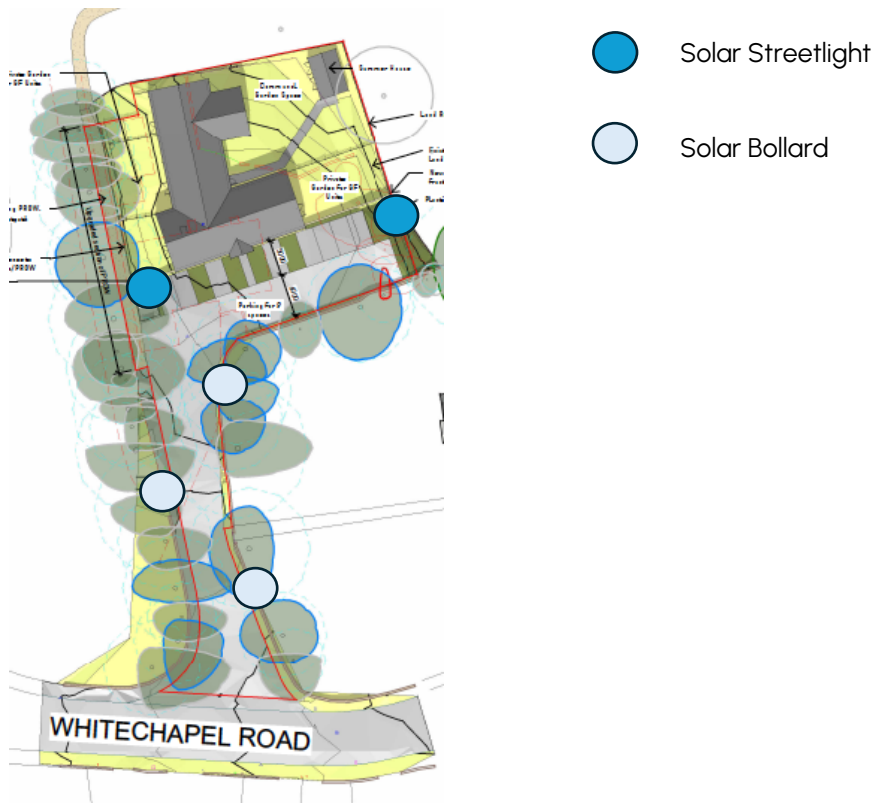
Street Lighting

To provide adequate external lighting for the road, and site access, suitable street lighting is proposed on the development.

Lighting Type	Specification
Correlated Colour Temperature (K)	2200-6500K
Luminaire Manufacturer	Sun Lite Solo-Lite iPower Max
Lumen Output	4900LM
Luminaire Style	Solar Streetlight
Typical Image	
Light Source	LED
Mounting Height	8m
Controls	PIR Sensors
Mounting Location	Externally mounted

Lighting Type	Specification
Correlated Colour Temperature (K)	Warm/Cool
Luminaire Manufacturer	VR Walk – Lite Vandal Resistant Solar Bollard
Lumen Output	300LM
Luminaire Style	Solar Bollard
Typical Image	
Light Source	LED
Mounting Height	1m
Controls	Dusk till Dawn
Mounting Location	Externally mounted

External Lighting Plan



The street lighting will be solar powered and maintained by the management company.