

- Some of the luminaire choices put forward are not suitable, such as spike lights which are more for domestic use.

Currently the luminaire schedule proposed follows that requested within the employer's requirements. This does include the proposal of tree up-lights, reference EX2 placed at the base of the plant/tree with the design intention for vertical emphasis to the tree trunk/planting. Tree uplighters are common on both domestic and commercial landscape installations and have been used in the following SBD schemes without any objections.

- Novotel Hotel, Cambridge North
- Southwest Lands, Wembley, London

It is our experience the installation of spike lights, if secured in a concrete fixing base (which is always our recommendation) and located in planters/Landscape areas with sufficient shrubs protecting them. That this form of lighting approach can assist with providing reflective illumination, coupled with other landscaping elements can assist in creating a well illuminated scheme.

- The luminaires have various colour temperatures which shouldn't be mixed on a site as they will detract from the desired aesthetic of the development.

Agreed, Ref EX4 and EX5 are only available in colour temperature 3000K. These luminaires are currently brand specified. However, an exercise is currently ongoing with the clients preferred luminaire specialist on negotiation these items been made available in the same colour temperature as the other luminaires. However, if this is not possible, we will happily take your guidance onboard and will discuss this directly with our client and suggest an alternative luminaire of the same visual and performance but to a 4000K colour temperature. However, I can confirm that in compliance with section 25.2 of the secured by design home document, the use of LED light sources with a colour temperature of no more than 4000 Kelvin (External General lighting) will be specified. This will reduce blue light content and therefore the effects on human and ecology receptors.

- The inground lights are likely to be vulnerable so should only be used where they are visible to natural surveillance and should only be used for wayfinding and not for actual lighting purposes.

To clarify, the proposed inground uplights specified are rated at an IK10 impact resistance. The design intention proposed at MPP2, is similar to that under the SBD accredited developments at

- Southwest Lands, Wembley, London
- The Denizen, Barbican, London
- Battersea Power Station Ph 3 development Gehry & Fosters Buildings.
- Novotel Hotel, Cambridge North
- HMRC New Waverley Edinburgh

It is our opinion, the inground uplighters used appropriately to illuminate the façade elements will provide reflective light that shall enhance the overall visual quality of the space.

- The EX7 light is a very poor choice for emergency lighting as it's more suited to commercial buildings and would look awful in a residential setting.

Your opinion is noted.

To clarify, twin spot lighting was used in this manner due to the size of the landscaping area that we will require illuminated in the event of an electrical mains failure. Although, I agreed that these luminaires are not the most visually attractive. We have looked to specify a more decorative version. This approach has been used on other similar schemes successfully and has been presented to the client, which they have accepted. The emergency lighting design is in compliance with BS 5266-1:2016.

- The demonstrated Dialux lighting design outputs within the report do not show a compliant lighting design and it's unclear which luminaires are being used and/or where they are located.

It may be beneficial for all involved if a workshop could be arranged to discuss this matter. However, the dialux lighting design outputs are to be read in conjunction with both the combined external lighting drawings and the luminaire schedule.

The dialux report highlights the circulation areas been calculated, expected performance and also a summary of luminaires used within the relevant calculation report