**From:** Michael Groves <michael.groves@enerveo.com>
**Sent:** 19 February 2025 14:58:47 UTC+00:00
**To:** "Graham Brazier" <graham.brazier@bellway.co.uk>
**Subject:** RE: Elizabeth Sq., Durrington - [EVO20014691] LPA Lighting Queries

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Hi Graham,

Query 1: 5-degree tilts have been used to allow us to push the light across the road more when the road widens. Alternatively, a different optic can be used with a wider distribution but sometimes that can cause an adverse effect of pushing too much across the road and into areas where it is not needed or wanted, such as property windows.

Query 2: The arrow indicates the direction of the column folding down mechanism (the direction of which the column will fall down to when it is lowered. Only applicable to raise and lower columns).

Thanks

Regards

Michael Groves EngTech AMILP
**Lighting Designer**

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**From:** Graham Brazier <graham.brazier@bellway.co.uk>
**Sent:** 17 February 2025 18:35
**To:** Michael Groves <michael.groves@enerveo.com>
**Subject:** Elizabeth Sq., Durrington - [EVO20014691] LPA Lighting Queries

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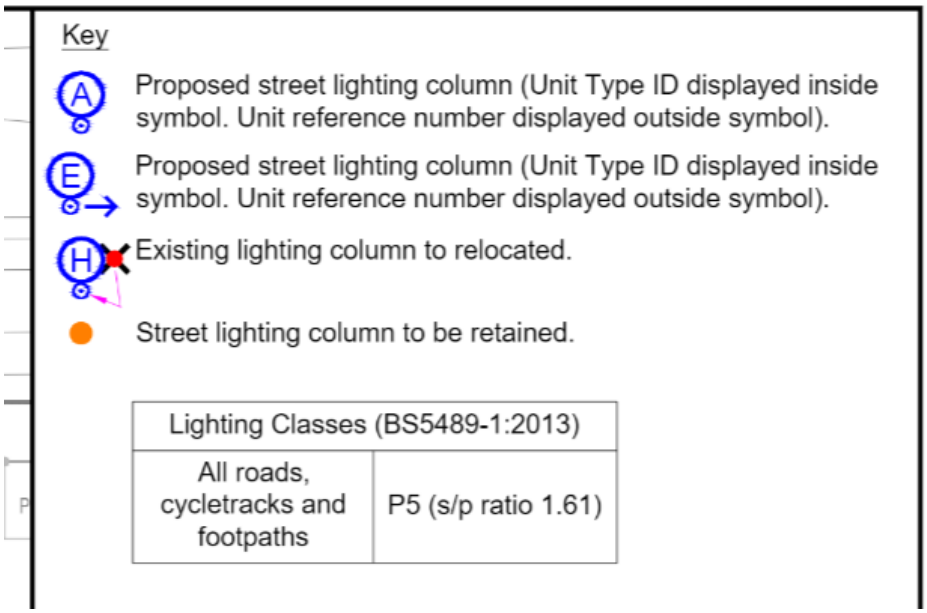
Hi Michael,

Further to our telephone conversation earlier today regarding the above, below is a copy of the request for further advice concerning the direction and light spill received from the Planning Officer following submission of sheets 1 & 2 of the Section 278 & S38 Street Lighting Layout Drawings –

> Regarding implications for light spill and neighbours, pl can your consultant advise me about the specifications below? For instance the luminaire tilt, is the 5 degrees needed where lights are angled away from neighbouring windows, to what extent does optic setting and wattage affect light spill?
>
> I've included the screenshots, including the symbols below. Pl can they explain the use of arrows - does this signify direction?

| g | Luminaire Tilt | Luminaire | Optic Setting | Output (klm) | Colour Temperature | Wattage | Lun W |
|---|---|---|---|---|---|---|---|
| ) | 0 degrees | Philips BGP702 Micro Luma | DM10 | 1.60 | Neutral white | 10W (6 no. LEDs) | 8 |
| ) | 5 degrees | Philips BGP702 Micro Luma | DM10 | 1.60 | Neutral white | 10W (6 no. LEDs) | 8 |
| ) | 0 degrees | Philips BGP702 Micro Luma | DM10 BL1 | 1.80 | Neutral white | 11W (10 no. LEDs) | 8 |
| ) | 5 degrees | Philips BGP702 Micro Luma | DM10 BL1 | 1.80 | Neutral white | 11W (10 no. LEDs) | 8 |
| ) | 0 degrees | Philips BGP702 Micro Luma | DM10 | 1.60 | Neutral white | 10W (6 no. LEDs) | 8 |
| ) | 5 degrees | Philips BGP702 Micro Luma | DM10 | 1.60 | Neutral white | 10W (6 no. LEDs) | 8 |
| ) | 0 degrees | Philips BGP702 Micro Luma | DN10 BL1 | 0.80 | Neutral white | 5W (6 no. LEDs) | 8 |
| ) | 5 degrees | Existing | Existing | Existing | Existing | Existing | |






As discussed, it was my intention to issue the plans for your Lighting Design that include the ISO lighting contours to address the implications for light spill and neighbour, however I would be grateful if you could review the Planning Officer's request and provide answers by return to the specification and drawing legend items raised, so that I may a respond to his queries.

Should you have any queries or wish to discuss any of the above, please feel free to call me on my mobile 07794 248407.

In the meantime, I look forward to receiving your response.

Kind regards
Graham

Graham Brazier
**Senior Technical Manager**

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