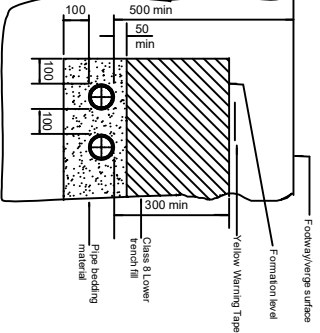


|           | Ambient luminance:<br>very low (E1) | Ambient luminance:<br>low (E2) | Ambient luminance:<br>moderate (E3) | Ambient luminance:<br>high (E4) |
|-----------|-------------------------------------|--------------------------------|-------------------------------------|---------------------------------|
| Bus A)    | S3 or P3                            | S3 or P3                       | S2 or P2                            | S2 or P2                        |
| Normal B) | S4 or P4                            | S4 or P4                       | S3 or P3                            | S3 or P3                        |
| Quiet C)  | S5 or P5                            | S5 or P5                       | S4 or P4                            | S4 or P4                        |

**NOTE 1** Table A.5 assumes no parked vehicles – see risk assessment in A.3.3.2.

NOTE 2. If facial recognition is important then an ES lighting class from BS EN 13201-2:2003, Table 5, or an SSC lighting class from CIE 115:2010 [N1], Table 1, can be selected as an additional criterion. Good colour rendering contributes to better facial recognition. (The ES lighting class in BS EN 13201-2:2003 is expected to be replaced by SC upon publication of the revised edition).

NOTE 3 To ensure adequate uniformity, the actual value of the maintained average illuminance is not to exceed 1.5 times the value indicated for the class

NOTE 4 It is recommended that the actual overall uniformity of illuminance be as high as reasonably practicable.

NOTE 5 Grey highlighting indicates situations that would not usually occur in the UK.

NOTE 6 The ambient luminance descriptions E1 to E4 refer to the environmental zone as defined in ILP GND1 [N5].

as clubs, shopping facilities, public houses, etc.

access road.

<sup>69</sup> Quiet traffic flow refers to areas where the traffic usage is of a level equivalent to a residential road and mainly associated with the adjacent properties or properties on other equivalent roads accessed from this road.

# Notes

1. Column foundations to be as per Local Authority Standard Detail drawing.
  2. All columns to be provided with Distribution Network Operator Services to Local Authority Standard Detail drawing, unless otherwise stated.
  3. Column positions to be agreed on site with the Local Authority Street Lighting Engineer. All columns to be sited within the adoptable highway and generally in compliance with the current Local Authority Design Guide for Residential areas. Columns shall not be installed within dropped kerb areas.
  4. Column numbering to be agreed with the Local Authority Street Lighting Engineer.
  5. The Contractor is to provide Local Authority with as-built drawings, test certificates and column and lantern data sheets.
  6. All Street Lighting works to be carried out by Local Authority approved contractors.
  7. A list of proposed equipment is to be rendered by the contractor for approval by the Local Authority Street Lighting Engineer prior to the installation.
  8. Adaptable ducting to be installed to satisfy the requirements of Distribution Network Operator.
  9. The contractor to liaise with Distribution Network Operator with regard to connections and disconnections of columns and illuminated signs.
  10. Minimum distance for a column to be erected in a service strip is 1m back from the front face of the column to kerb edge.
  11. This lighting scheme comply's with North Wales Authorities Lighting Design Guide and Specification (ref: ENW/PP/DC-1075).
12. All wiring including component labelling to be in accordance with BS7671.

| NO | Icon | Proposed      |                           |
|----|------|---------------|---------------------------|
|    |      | Manufacturer: | CU Prosser                |
| 06 |      | Type:         | Vertical channel steel    |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Manufacturer: | Ultras                    |
|    |      | Model:        | Amperon Mini              |
|    |      | Optic:        | 5088                      |
|    |      | Mounting:     | up, post top              |
|    |      | Title:        | 5"                        |
|    |      | Weight:       | 10W                       |
|    |      | Part Number:  | AMPERON MINI 5088 8 OS/ON |
| 07 |      | Manufacturer: | CU Prosser                |
|    |      | Type:         | Horizontal channel steel  |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Manufacturer: | Ultras                    |
|    |      | Model:        | Amperon Mini              |
|    |      | Optic:        | 5088                      |
|    |      | Mounting:     | up, post top              |
|    |      | Title:        | 5"                        |
|    |      | Weight:       | 10W                       |
| 08 |      | Proposed      |                           |
|    |      | Column:       | Manufacturer: CU Prosser  |
|    |      | Material:     | Galvanized Steel          |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Type:         | Tubular                   |
| 09 |      | Proposed      |                           |
|    |      | Column:       | Manufacturer: CU Prosser  |
|    |      | Material:     | Galvanized Steel          |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Type:         | Tubular                   |
| 10 |      | Proposed      |                           |
|    |      | Column:       | Manufacturer: CU Prosser  |
|    |      | Material:     | Galvanized Steel          |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Type:         | Tubular                   |
|    |      | Height:       | 6m                        |
|    |      | Type:         | Tubular                   |