



## BIM - Product Data Template

|                               |   |       |   |  |
|-------------------------------|---|-------|---|--|
| Template Category             | Lighting columns                                    |       |   |  |
| Template Version              | v1  |       |   |  |
| Category Description          |   |       |   |  |
| Classification System         |   |       |   |  |
| Classification                | Value   |       |   |  |
| Template Custodian            |   |       |   |  |
| Suitability for Use           |   |       |   |  |
| Information Category          | Paramater Name                                      | Value | Units   | Notes  |
| Manufacturer Data             |   |       |   |  |
| Specifications                | Manufacturer  |       | Text  | or code<br>yes / no / or link to DoP / DoC   |
| Specifications                | Manufacturer Website                                |       | URL   |  |
| Specifications                | Product Range                                       |       | Text  |  |
| Specifications                | Product Model Number                                |       | Text  |  |
| Specifications                | CE Declaration                                      |       | Text  |  |
| Specifications                | Product Literature                                  |       | URL   |  |
| Specifications                | Column Data Sheet                                   |       |   |  |
| Specifications                | Column Drawing reference                            |       |   |  |
| Specifications                | Features  |       | Text  | Free text to describe product  |
| Application Data              |   |       |   |  |
| Specifications                | Column Type   |       | Text  | Tubular, Conical, Folded (No. of sides), etc.<br>Fixed, Base Hinge, Mid hinge, high mast<br>Galv Steel, St. Steel, Aluminium, FRPC, Concrete, Wood, Composite<br>Flanged, Rooted, Crank Root, other<br>Height of main structural element<br>Post Top (0) or No. of Bracket Arms (1, 2, 3, 4 etc.)<br>Road lighting luminaires<br>e.g. Footpath luminaire height (if not same as Main Luminaire)<br>Typ. Side Entry 25, 34, 42, 60, Post top 60, 76. Bracket spigots, 90, 114, 140mm are standard tubes.<br><br>Typ. 76mm post top or 100mm side entry<br>If applicable<br>If applicable<br><br>Overlapping, Flush, Hooped, etc.<br>None (0) or Performance Class to EN 12767<br>0.3m2 (A) 0.6m2 (B) 1.0m2 (C) to PD 6547 Table 3 |
| Specifications                | Fixed or Raise/Lower Type                           |       | Text  |  |
| Specifications                | Column Material                                     |       | Text  |  |
| Specifications                | Foundation Type                                     |       | Text  |  |
| Specifications                | Column height                                       |       | m   |  |
| Specifications                | Luminaire mounting arrangement                      |       | Number  |  |
| Specifications                | Main Luminaire - Nominal mounting height            |       | m   |  |
| Specifications                | Secondary Luminaire - Nominal mounting height       |       | m   |  |
| Specifications                | Luminaire spigot mounting Diameter                  |       | mm  |  |
| Specifications                | Luminaire spigot mounting Length                    |       | mm  |  |
| Specifications                | Bracket Mounting Spigot Diameter                    |       | mm  |  |
| Specifications                | Bracket Mounting Spigot Length                      |       | mm  |  |
| Specifications                | No. of Door openings                                |       | Number  |  |
| Specifications                | Door Cover Type                                     |       | Text  |  |
| Specifications                | Passive Safety Class                                |       | Number  |  |
| Specifications                | Sign Class included                                 |       | Alpha   |  |
| Specifications                | Product Standard                                    |       | Alpha   |  |
| Specifications                | EN1090-1  |       | Alpha   |  |
| Specifications                | BD94-07   |       | Alpha   |  |
| Structural Requirements       |   |       |   |  |
| Specification Additional Item | Max. Luminaire Wind Area                            |       | m <sup>2</sup>                                | This luminaire is used as the maximum allowable for the given conditions below. Note: in other wind conditions, the maximum mav varv<br>This luminaire is used as the maximum allowable for the given conditions below. Note: in other wind conditions, the maximum mav varv.<br>Extra Light, Light, Medium, Heavy, Extra Heavy (Provide this or site specific design info below.)<br>For site, or assume TCI if <5km from coast or large lakes, TC II for columns >6m and TC III for columns <=6m   |
| Specification Additional Item | Max. Luminaire Weight                               |       | kg  |  |
| Specification Additional Item | Rationalized Wind loading Region                    |       | Text  |  |
| Specification Additional Item | Terrain Category                                    |       |   |  |
| Specification Additional Item | 10 min mean wind speed -Vb                          |       | alpha numerical                               |  |
| Specification Additional Item | Site altitude above 250 m                           |       |   |  |
| Specification Additional Item | Site altitude                                       |       | alpha numerical                               |  |
| Specification Additional Item | Topography factor                                   |       | alpha numerical                               |  |
| Specification Additional Item | Terrain Category where installation is unknown      |       | II for Group A columnsIII for Group B columns |  |
| Specification Additional Item | Rationalized wind loading region [Specify category] |       | Extra Heavy/Heavy/Medium/Light/Extra Light    |  |
| Specification Additional Item | Partial safety factors on loads f                   |       | text  |  |
| Specification Additional Item | Deflection class                                    |       | Class 3 (LHA) or Class 2 (HE)                 |  |
| Specification Additional Item | Foundation data -if applicable -Soil type           |       | Good/Average or Poor                          |  |
| Specification Additional Item | Road signs -only if required                        |       | Class A/B or C                                |  |
| Specification Additional Item | Fatigue requirements                                |       | yes or no                                     |  |
| Specification Additional Item | Column shaft diameter                               |       | mm  |  |
| Specification Additional Item | Base diameter                                       |       | mm  |  |
| Specification Additional Item | number of doors                                     |       |   |  |
| Specification Additional Item | door height   |       | mm  |  |
| Specification Additional Item | door width  |       | mm  |  |
| Specification Additional Item | height above ground level to bottom of door         |       | mm  |  |
| Specification Additional Item | cable entry slot width                              |       | mm  |  |
| Specification Additional Item | cable entry slot height                             |       | mm  |  |
| Specification Additional Item | second door height                                  |       | mm  |  |
| Specification Additional Item | second door width                                   |       | mm  |  |
| Specification Additional Item | second height above ground level to bottom of door  |       | mm  |  |
| Specification Additional Item | cable entry slot width                              |       | mm  |  |
| Specification Additional Item | cable entry slot height                             |       | mm  |  |
| Specification Additional Item | cable entry slot orientated to door                 |       | Degrees                                       |  |
| Specification Additional Item | flange plate or planted                             |       |   |  |
| Specification Additional Item | flange plate bolt sizes                             |       | mm  |  |
| Specification Additional Item | flange plate bolt centres                           |       | mm  |  |
| Specification Additional Item | Weight  |       | Kg  |  |
| Specification Additional Item | bending moment                                      |       | Nm  |  |
| Specification Additional Item | shear force   |       | N   |  |
| Specification Additional Item | Attachments   |       |   |  |
| Specification Additional Item | Attachments sizes                                   |       |   |  |
| Column Load information       |   |       |   |  |
| Specification Additional Item | Number of Brackets                                  |       |   |  |
| Specification Additional Item | Bracket Projection                                  |       | m   |  |
| Specification Additional Item | Post Top or bracket                                 |       | post top, single, twin, tripple, cow horn,    |  |
| Specification Additional Item | lantern sigot diameter                              |       | 34, 42, 60, 76                                |  |

|                                     |   |  |  |   |
|-------------------------------------|---|--|--|---|
| Specification Additional Item       | Spigot length                               |  | 100  |   |
| Specification Additional Item       | Bracket uplift relative to horizontal       |  | Degrees  |   |
| Specification Additional Item       | Spigot angle relative to horizontal         |  | Degrees  |   |
| Specification Additional Item       | Luminaire maximum Windage Area              |  | m <sup>2</sup>   |   |
| Specification Additional Item       | Luminaire maximum Effective Projection Area |  | m <sup>2</sup>   |   |
| Specification Additional Item       | Luminaire maximum Drag Co-efficient Cs      |  |  |   |
| Specification Additional Item       | Luminaire maximum Lift Co-efficient Cl      |  |  |   |
| Specification Additional Item       | Luminaire maximum Gross Weight              |  | kg   |   |
| <b>Column Protective System</b>     |   |  |  |   |
| Specification Additional Item       | Protective Coating                          |  | G!, G2a, G2b, none   |   |
| Specification Additional Item       | Paint Colour                                |  | text   |   |
| Specification Additional Item       | Column Root Protection                      |  | NP (No Protection)<br>PC (Protective Coating)<br>CF (Full depth concrete foundation) |   |
| <b>Sustainability</b>               |   |  |  |   |
| Sustainable Material BREEAM etc.    | Embodied Carbon                             |  | kgCO2  | University of Bath ICE Data if none other available |
| Sustainable Material BREEAM etc.    | Life Cycle Analysis                         |  | Number   | BREEAM  |
| Sustainable Material BREEAM etc.    | Location of Manufacturer                    |  | GridRef  | Nothing,Easting                                     |
| Sustainable Material BREEAM etc.    | Green Guide for Specification               |  | Enumeration  | A - E   |
| Sustainable Material BREEAM etc.    | Environmental Product Declaration           |  | Text   | 3rd Party Verification                              |
| Sustainable Material BREEAM etc.    | Responsible Sourcing of Materials           |  | Enumeration  | Endorsing Body                                      |
| Sustainable Material ETL            | URL to Energy Technology List               |  | URL  | Hyperlink to ETL webpage for product                |
| Sustainable Material LEED v.4       | Responsible Extraction of Materials         |  | Text   | TBA   |
| Sustainable Material LEED v.4       | Material Ingredient Reporting               |  | Text   | TBA   |
| <b>Operations &amp; Maintenance</b> |   |  |  |   |
| Facilities/Asset Management         |   |  | %  |   |
| Facilities/Asset Management         | URL to O&M Manual                           |  | Text   | Hyperlink to Manufacturer O&M Data                  |
| Facilities/Asset Management         |   |  |  |   |
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| Facilities/Asset Management         |   |  |  |   |
| Facilities/Asset Management         |   |  |  |   |
| Facilities/Asset Management         | Expected Life                               |  | Years  |   |
| Facilities/Asset Management         | Warranty ID                                 |  | Text   |   |
| Facilities/Asset Management         | Service life                                |  | Years  |   |
| Additional Item                     | Last Detailed Inspection                    |  | dd/mm/yyyy   |   |
| Additional Item                     | Last Detailed Inspection record reference   |  | alphanumeric   |   |
| Facilities/Asset Management         |   |  |  |   |