

Lighting Column:
Galvanised tubular steel lighting column of 6.0 metre nominal height with factory applied Amercoat 71P/PSX 700 polysiloxane and Amercoat 4560 GF glass flake root protection with a planted base finished in paint finish BS12C39

Column Reference:

Luminaire:
Signify Luma Gen2 Micro Luminaire

Mounting Type:
Post top mounted

Manufacturer Ref:
BGP702_DW50

Lumen Output:
2,000lm

UMSUG Code:
42 0015 0000 100

Luminaire Wattage:
15w

Colour Temperature:
Neutral White

Luminaire Tilt Inclination:
0°

Glare Index Rating:
G3

Control Gear:
DALI enabled driver

Control Type:
Mayflower DALI Node to integrate into West Sussex CMS system and six-pin NEMA socket base

Dimming Profile:
CMS Controlled

Supply:
DNO

Primary Isolator:
DNO Approved Double Pole

Secondary Isolator:
Tofco Type 1 secondary isolator

Internal Wiring:
Wiring to luminaire to be 1.5mm² PVC insulated flexible cable (3183Y)

Door Orientation:
Perpendicular to kerb

Qty
15

Existing column and luminaire to remain. Shown for tie-in purposes only

**
Proposed Lighting column identification number

UNIT IDENTIFICATION KEY

Proposed Lighting column identification number

ELECTRICAL CONNECTION TYPE

Proposed Independent Distribution Network Operator electrical supply connection

ISOLUX LINE

0.40 Isolux contour line

1.00 Isolux contour line

LIGHTING DESIGN PRODUCED IN ACCORDANCE WITH CURRENT BS5489-1 & BS EN13201-2 OUTDOOR LIGHTING STANDARDS

LIGHTING CLASS: P5

S/P RATIO: 1.61

MAINTENANCE FACTOR: 0.83

LIGHTING LEVELS

EAV: <2.00 LUX >2.99 LUX

EMIN: > 0.40 LUX

Notes:

LOCAL AUTHORITY NOTES

1. All works are to be carried out in accordance with the current West Sussex County Council street lighting specification and any inaccuracies are to be reported to the overseeing organisation immediately.

2. The contractor shall liaise with the DNO in relation to the programming and coordination of any works associated with the connection and disconnection of street lighting equipment.

3. It should be assumed by the contractor that not all services have been identified during the design period. It is the responsibility of the contractor to ensure that all unidentified services are carefully located and reported.

4. The contractor shall identify the location of any overhead electrical or communication equipment prior to the undertaking of any on-site works. Should the presence of such equipment be identified, the contractor shall consult with the relevant statutory undertaker for further guidance.

5. Lighting column positions shall be marked out in accordance with HEA/HESA Guidance Notes - COM2015 Regulations, Issue 1.1, dated 09/04/2015 Procedure 2.

6. Final lighting column identification numbers shall be agreed with the West Sussex County Council street lighting engineer.

7. Column numbering shall be positioned 90° to the carriageway and 2.5m from ground level.

8. The contractor shall provide the West Sussex County Council with as-built drawings, test certificates and column and lantern data sheets in accordance with the latest West Sussex County Council street lighting specification.

9. Lighting column foundations shall be designed in accordance with the manufacturer data sheets for the columns and soil types present.

10. The minimum distance for a lighting column to be erected from the kerb face in a service strip shall be 0.8 metres.

11. Unless otherwise indicated, lighting columns shall be planted at the rear of the footpath and positioned such that the door opening is facing away from oncoming traffic, unless obstructed, in which case it shall be angled outwards to clear obstruction.

12. All illuminated apparatus must be installed and tested in compliance with BS7671 at the time of adoption.

13. The use of independent distribution network operator's (DNO's) is permitted. Any chosen DNO shall have a service level agreement in place with West Sussex County Council prior to adoption of the new installation.

14. IDNO contact details shall also be stored inside the base compartment of each lighting column via means of an identification label.

15. This is a preliminary design general arrangement drawing only and is not to be used for construction purposes until technical approval has been granted by West Sussex County Council street lighting department or Overseeing Organisation

16. HEALTH & SAFETY NOTES

1. All statutory consents, opening notices etc. as required under Highways Acts and water industries acts are to be obtained by the contractor prior to commencement of the works (unless otherwise stated).

2. All works are to be inspected by a local authority representative or overseeing organisation as applicable.

3. The contractor shall confirm the location of all statutory services and plant by hand dig trial trenches prior to commencing any works.

4. Allowance for the presence of any existing or proposed statutory services, appropriate protection and/or diversion measures are to be put in place by the contractor (unless stated otherwise) where statutory services are found to be within the area of street lighting installation or removal works.

5. The contractor is responsible for ensuring that all advance notices are in place and traffic management agreed for the works prior to commencing. The contractor is to make allowance for the advance provision of all electrical works and equipment for street lighting within their programme of works.

6. All materials to comply fully with the local authority or overseeing organisation specifications or design brief.

7. All materials to be agreed with the overseeing organisation or site representative prior to ordering.

8. CDM REGULATIONS 2015

1. In line with the above regulations CONNECT IT UTILITY SERVICES LTD are obliged to inform the client of the risks that may be encountered in the construction of these works.

2. Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the works.

3. CONNECT IT UTILITY SERVICES LTD would also respectfully remind the client of their obligations to take all reasonable steps in ensuring that only competent contractors who have a valid safety policy are employed. They should also provide satisfactory responses at tender stage as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by below:

4. Dealing with existing statutory services.

5. Trench excavations in excess of 1.2m deep.

6. Guarding to edges of excavations to prevent people, materials and vehicles falling into excavation.

7. Guarding of excavations outside working hours to prevent unauthorised access.

8. Undermining to adjacent roads or structures.

9. Confined space operations.

10. Traffic management on existing highways and protection of site personnel and members of the public.

11. Procedure to be followed in event of accident or emergency.

12. Method of working where contaminated ground is present on site.

13. Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.

14. Any construction personnel, including operatives intending to construct the designs shown on this drawing should ensure that they have been regularly and thoroughly briefed by the principal contractor on all health and safety matters and have had sight of any risk assessments, health and safety plan and contractor construction method statements.

The details provided on this drawing are subject to comments by all the relevant approving authorities or overseeing organisation. No construction works shall take place until technical approval has been obtained by the approving authority or overseeing organisation. It is to be understood that these drawings and the information contained are preliminary only and shall not be used for construction. Should the contractor commence work on site prior to obtaining technical approval, then it is entirely at their own risk and no liability shall be accepted by CONNECT IT UTILITY SERVICES LTD.

0 1:500 25 metres

00 PRELIMINARY DRAWING SRH 18/07/20

REV DESCRIPTION BR DATE

PRELIMINARY ONLY
NOT FOR CONSTRUCTION

CONNECT IT UTILITY SERVICES
UTILITY CONNECTIONS www.cius.co.uk

CLIENT

SITE
WINDMILL VIEWS,
BARNHAM, WEST SUSSEX

TITLE
S38 STREET LIGHTING DESIGN

SCALE AT A1: 1:500 DATE: 18/07/20 DRAWN: SRH CHECKED: CL
DRAWING NO: SHD079 DUC NO: REVISION: 00