



DRAWING TO BE PRINTED IN COLOUR TO ENABLE CORRECT IDENTIFICATION OF SYMBOLS, PROPOSED LIGHTING CABLING OR LINETYPES SHOWN

LIGHTING SCHEME DESIGNED IN ACCORDANCE WITH:
BS 5489-1:2020 & BS EN 13201-2:2015

S/P RATIO: N/A
MAINTENANCE FACTOR: 0.78

LIGHTING CLASSIFICATION: P5

MIN. MAINTAINED AVERAGE ILLUMINANCE (EAV): >3.00 LUX <4.50 LUX
MIN. ILLUMINANCE (EMIN): >0.60 LUX
EMIN/EAV (UNIFORMITY): >0.20 (20%)

NOTES:

ALL STREET LIGHTING IMPROVEMENTS WORK TO BE CARRIED OUT TO THE CURRENT CLIENT SPECIFICATIONS AND AGREEMENTS.

CONTRACTOR TO CONFIRM POSITION OF STATUTORY UNDERTAKERS PLANT BEFORE COMMENCEMENT OF THE WORKS.

DURING WORKS ALL TRAFFIC MANAGEMENT TO BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.

PROPOSED LIGHTING COLUMNS ARE TO BE LOCATED TO THE REAR OF THE FOOTPATH WHEREVER POSSIBLE OR A MINIMUM OF 1000mm SETBACK FROM FRONT KERB EDGING.

ANY EXISTING OR PROPOSED TREES ARE TO BE OUTBACK, REMOVED OR RELOCATED TO AVOID INTERFERENCE WITH THE STREET LIGHTING LUMINAIRE OR PREVENT ANY FUTURE MAINTENANCE.

IF THE AUTHORITY OR CONTRACTOR EXPERIENCE ANY PART DISCREPANCY BETWEEN THIS DRAWING OR ANY OF THE DOCUMENTS RELATING TO THIS SITE THE AUTHORITY OR CONTRACTOR MUST CONTACT THE LIGHTING DESIGNER FOR CLARIFICATION.

UNIT NUMBERS SHOWN ARE FOR DESIGN IDENTIFICATION PURPOSES ONLY.

FINAL COLUMN NUMBERING SHALL BE AGREED WITH THE OVERSEEING ORGANISATION.

MAJOR STATS RECORDS USING INFORMATION SUPPLIED BY CLIENT. ACTUAL STATS SHOULD ALWAYS BE OBTAINED BY THE CLIENT BEFORE COMMENCEMENT OF ANY WORK. THIS IS NOT A DEFINITIVE LIST AND OTHER SERVICES WILL EXIST, HOWEVER THE MAJOR ONES ARE SHOWN TO ASSIST THE DEVELOPER

MAJOR STATS	YES	NO	EASEMENT
HV U/GROUND	TBC	TBC	TBC
HV OVERHEAD	TBC	TBC	TBC
LV OVERHEAD	TBC	TBC	TBC
MP GAS	TBC	TBC	TBC

MAJOR STATS	YES	NO	EASEMENT
IP GAS	TBC	TBC	TBC
HP GAS	TBC	TBC	TBC
BT OVERHEAD	TBC	TBC	TBC

NO INFORMATION FOR ELECTRICITY, GAS AND WATER HAVE BEEN PROVIDED, AS SUCH THE STREET LIGHTING DESIGN SHOULD NOT BE BUILT UNTIL FULL INFORMATION HAS BEEN PROVIDED AND THE PROPOSED LAMP COLUMN POSITIONS CHECKED AGAINST THE STATS DETAILS TO ENSURE NO CONFLICT OR DANGER TO LIVES.

CURRENT STATUTORY SERVICE RECORD PLANS SHOULD BE OBTAINED BY THE CONTRACTOR/OVERSEEING ORGANISATION BEFORE COMMENCEMENT OF ANY STREET LIGHTING INSTALLATION OR REMOVAL WORKS.
ALL SERVICES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO INSTALLING OR REMOVING ANY LIGHTING COLUMNS. WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH HSE G56, ENA 43-8, HSE HGS47, G39/1 AND ALL RELEVANT HSE REGULATIONS.

DETAILS OF EXISTING STATUTORY UNDERTAKERS PLANT ARE TO BE OBTAINED BY THE CLIENT AND THE CONTRACTOR MAY EXAMINE THESE RECORDS AT THE ENGINEERS OFFICE. ALL WORKS IN THE VICINITY OF ANY OVERHEAD CABLES SHALL CONFORM TO THE REQUIREMENTS OF HSE GUIDANCE NOTE G56 "AVOIDANCE OF DANGER FROM OVERHEAD LINES" AND ALL WORKS IN THE VICINITY OF UNDERGROUND MAINS OR CABLES SHALL CONFORM TO THE REQUIREMENTS OF HSE GUIDANCE NOTE G547 "AVOIDING DANGER FROM UNDERGROUND SERVICES" AND ANY ADDITIONAL REQUIREMENTS SPECIFIED BY THE RELEVANT UNDERTAKER.

THE CONTRACTOR WILL BE RESPONSIBLE FOR LIAISON WITH THE UNDERTAKERS AND FOR PROGRAMMING THE AGREED PROTECTION AND/OR DIVERSION WORKS TO ANY STATUTORY UNDERTAKERS APPARATUS INTO THE OVERALL WORKS PROGRAMME (THIS IS TO INCLUDE ADJUSTMENT OF STATS COVERS).
ANY DAMAGE TO PLANT OR APPARATUS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

NO WORKS SHALL BE CONSTRUCTED UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE OVERSEEING ORGANISATION BY THE DEVELOPER. NO WORKS SHALL BE CONSTRUCTED WITHOUT APPROVAL IF CARRIED OUT THEN THEY WILL BE ENTIRELY AT THE DEVELOPERS RISK, UNLESS OTHERWISE STATED WITHIN THE QUOTATION PROVIDED BY MMA LIGHTING CONSULTANCY. THIS DESIGN HAS NOT BEEN SUBMITTED FOR TECHNICAL APPROVAL.

Street Lighting Key:

Symbol
Qty 07
Description
Lighting Column:
Proposed galvanised tubular steel lighting column of 6m nominal height with a planted base with glass flake root protection.
Column to be manufactured to:
EN 40, BS EN 1461 & BS 5649 standards
Luminaire:
Philips Luma Gen2 Micro with integral rear shield type 1
Mounting Type:
Post top mounted
Manufacturer Ref:
BGP702 T35 LED35-4S_727 PSA DW50
Lumen Output:
24.3 w
Luminaire Wattage:
3.50km
Colour Temperature:
2700K Warm White
Luminaire Tilt:
0°
Luminous Intensity:
G3
Control Gear:
Electronic DALI enabled driver
Control Type:
Lucy Zodion ZCELL LED 20 lux (1:1 ratio)
Dimming Profile:
N/A
Supply:
To be confirmed by others
Primary Isolator:
Double pole Isolator with 32A double pole switch and BS88-2 6A HRC fuse to luminaire
Secondary Isolator:
N/A

Symbol
Qty 04
Description
Lighting Column:
Proposed galvanised tubular steel lighting column of 6m nominal height with a planted base with glass flake root protection.
Column to be manufactured to:
EN 40, BS EN 1461 & BS 5649 standards
Luminaire:
Philips Luma Gen2 Micro with integral rear shield type 1
Mounting Type:
Post top mounted
Manufacturer Ref:
BGP702 T35 LED30-4S_727 PSA DW50
Lumen Output:
19 w
Luminaire Wattage:
3.00km
Colour Temperature:
2700K Warm White
Luminaire Tilt:
0°
Luminous Intensity:
G3
Control Gear:
Electronic DALI enabled driver
Control Type:
Lucy Zodion ZCELL LED 20 lux (1:1 ratio)
Dimming Profile:
N/A
Supply:
To be confirmed by others
Primary Isolator:
Double pole Isolator with 32A double pole switch and BS88-2 6A HRC fuse to luminaire
Secondary Isolator:
N/A

Symbol
Qty 09
Description
Lighting Column:
Proposed galvanised tubular steel lighting column of 6m nominal height with a planted base with glass flake root protection.
Column to be manufactured to:
EN 40, BS EN 1461 & BS 5649 standards
Luminaire:
Philips Luma Gen2 Micro with integral rear shield type 2
Mounting Type:
Post top mounted
Manufacturer Ref:
BGP702 T50 LED27-4S_727 PSD DW50
Lumen Output:
2.70km
Luminaire Wattage:
19 w
Colour Temperature:
2700K Warm White
Luminaire Tilt:
0°
Luminous Intensity:
G3
Control Gear:
Electronic DALI enabled driver
Control Type:
Lucy Zodion ZCELL LED 20 lux (1:1 ratio)
Dimming Profile:
N/A
Supply:
To be confirmed by others
Primary Isolator:
Double pole Isolator with 32A double pole switch and BS88-2 6A HRC fuse to luminaire
Secondary Isolator:
N/A

UNIT NUMBERING KEY:
P* Private lighting unit identification number

ELECTRICAL CONNECTION TYPE:
TBC Electrical supply to be confirmed by others

LIGHTING ISOLUX CONTOUR KEY:
0.10 Isolux contour line
1.00 Isolux contour line
2.00 Isolux contour line
3.00 Isolux contour line
4.00 Isolux contour line
5.00 Isolux contour line

NO WORKS SHALL BE CONSTRUCTED UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE LOCAL AUTHORITY BY THE DEVELOPER. SHOULD WORKS BE CONSTRUCTED WITHOUT APPROVAL, THEY WILL BE ENTIRELY AT THE DEVELOPERS RISK, UNLESS OTHERWISE STATED WITHIN THE QUOTATION PROVIDED BY MMA LIGHTING CONSULTANCY. MMA LIGHTING CONSULTANCY HAVE NOT SUBMITTED THIS DESIGN FOR TECHNICAL COMMENTS/APPROVAL.

REV	AMENDMENT	DATE	INITIAL
R0	INITIAL DESIGN "102108-BEL-SL-01 - 28.07.25"	12/08/2025	BT
R1	Base change and house type removed.	15/09/2025	HC
R2	Base change -102108-BEL-SL-01 - 30.09.25	02/10/2025	HC

MMA

LIGHTING CONSULTANCY

Exterior Lighting Design Specialists

99 Old Bath Road, Summer Field House, Reading, RG10 9QN
Phone: 0118 321 5636 Email: info@mma-consultancy.co.uk
www.mma-consultancy.co.uk

Project title
SHIPLEY ROAD, SOUTHWATER

Drawing title
PRIVATE STREET LIGHTING DESIGN
SHEET 1 OF 1

Prepared by BT Checked by HC

Scale 1:500 @ A1 Date 02/10/2025

Drawing Number MMA19630/001 Revision Details R2