



- General Notes**
- DO NOT SCALE FROM THIS DRAWING. WORK ONLY FROM FIGURED DIMENSIONS.
 - ALL ERRORS & OMISSIONS TO BE REPORTED TO THE CONSULTING ENGINEER
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTS AND STRUCTURAL ENGINEER'S DRAWINGS.
 - REFER TO DOCUMENT REGISTER FOR DESCRIPTION OF STATUS CODES.

- NOTES**
- THE INSTALLATION SHALL COMPLY WITH LOCAL AUTHORITY CODES AND ALL OTHER RELEVANT STANDARDS.
 - THE INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH ETCI REGULATIONS, ESB NETWORKS NATIONAL CODE OF PRACTICE & LOCAL AUTHORITY REQUIREMENTS.
 - WIDE RADIUS & GENTLY SWEEPING BENDS SHALL BE USED ON DUCTING SET IN CONCRETE.
 - ALL DUCTING SHALL BE LOCATED IN FOOTPATHS & SOFT LANDSCAPING.
 - NOT MORE THAN SIX COLUMNS SHALL BE SUPPLIED FROM ANY ONE CIRCUIT AND NOT MORE THAN FOUR CIRCUITS SHALL BE TAKEN FROM ANY ONE PUBLIC LIGHTING MICRO PILLAR.
 - A MINIMUM COVER OF 600mm SHALL BE PROVIDED TO DUCTING IN GRASS MARGINS WITH A MINIMUM COVER OF 750mm PROVIDED AT ROAD CROSSINGS
 - CABLE JOINTS WILL NOT BE PERMITTED. CABLES SHALL BE LOOPED FROM COLUMN TO COLUMN ON EACH CIRCUIT.
 - LIGHTING COLUMNS SHALL BE 6m OCTAGONAL GALVANISED COLUMNS SUPPLIED BY PILTOWN ENGINEERING, LAMPOST CONSTRUCTION OR EQUAL & APPROVED. COLUMNS & COLUMN INSTALLATION SHALL COMPLY WITH DEPARTMENT OF THE ENVIRONMENT & LOCAL AUTHORITY REQUIREMENTS.
 - LIGHTING COLUMNS SHALL BE POSITIONED TO COINCIDE WITH PROPERTY PARTY LINES TO AVOID OBSTRUCTING ENTRANCES.
 - PUBLIC LIGHTING CONNECTION SHALL BE BY UNDERGROUND CABLE FROM THE NEAREST ESB NETWORKS MINIPILLAR TO THE PUBLIC LIGHTING SYSTEM MICRO-PILLAR.
 - AN ESB NETWORKS APPROVED MDPE 50mm OD RED CONTINUOUS SERVICE DUCT SHALL BE INSTALLED AT A DEPTH OF 600mm FROM ESB NETWORKS MINIPILLAR VAULT, TO EACH PUBLIC LIGHTING SYSTEM MICRO-PILLAR.
 - ESB NETWORKS APPROVED YELLOW WARNING TAPE SHALL BE INSTALLED 300mm BELOW FINISHED GROUND LEVEL ALONG THE FULL LENGTH OF AND OVER THE DUCT.
 - A COMPLETION CERTIFICATE SHALL BE PROVIDED FOR THE PUBLIC LIGHTING SYSTEM FROM A CERTIFIED ELECTRICIAN.
 - THERE SHALL BE A SEPARATION OF AT LEAST 2 METERS BETWEEN ESB NETWORKS MINIPILLAR AND THE PUBLIC LIGHTING SYSTEM MICRO-PILLAR, PUBLIC LIGHTING COLUMN OR ANY OTHER PRIVATE MICRO PILLAR.
- THE STREET LANTERN PROPOSED WILL HAVE THE FOLLOWING IN LINE WITH COUNCIL REQUIREMENTS:
- THE LIFETIME OF THE DRIVER WILL BE IN EXCESS OF 100,000 HOURS
 - THE LANTERN WARRANTY TO BE 10 YEARS
 - AN LM REPORT/TEST CERT & DECLARATION OF CONFORMITY

LEGEND

- 1 NO. 50mmØ RED SITE LIGHTING DUCT
- PUBLIC LIGHTING MICRO-PILLAR
- LED POLE MOUNTED LUMINAIRE C/W NEMA SOCKET PHOTOCELL & 6m OCTAGONAL GALVANISED STEEL COLUMN

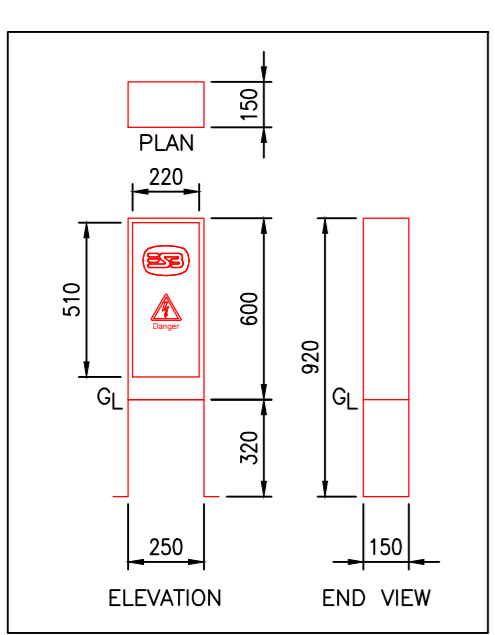
TYPICAL A-A LUMINAIRE
N.T.S. (A1)

Luma Mini BGP621 NW DW50 40 LED 8.5km

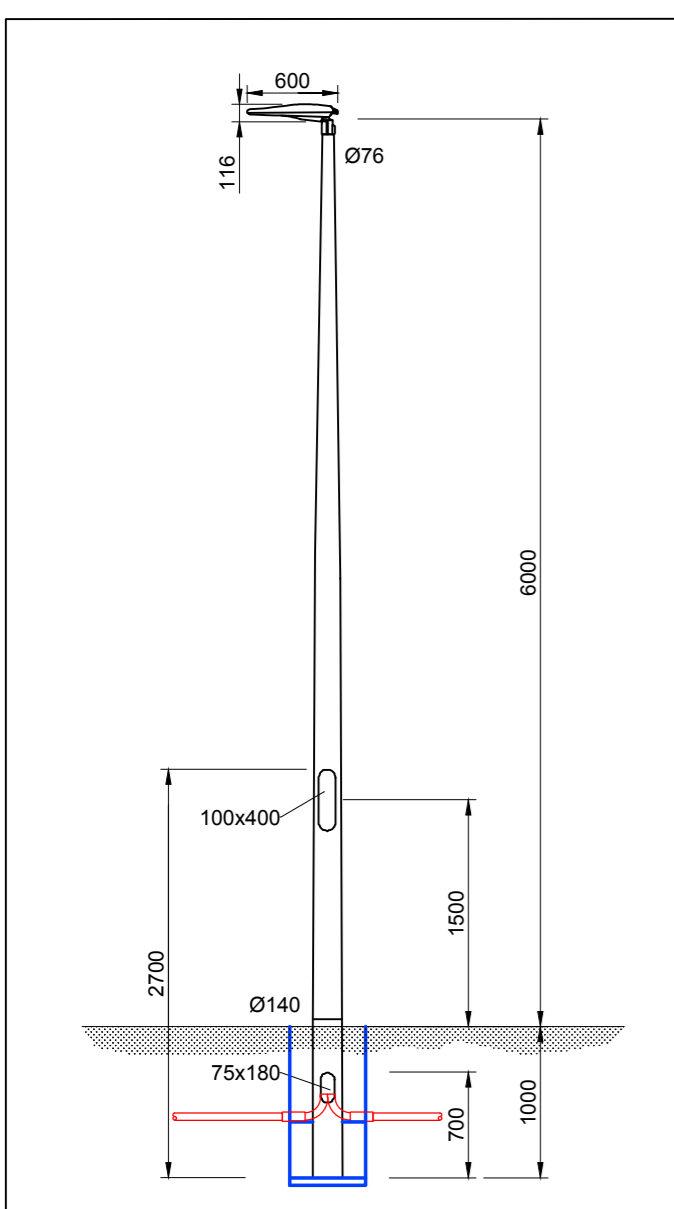
1 lamp(s) per luminaire, 8500 initial lumens per lamp
Maintenance Factor = 0.760, watts per luminaire = 48
Outreach (from mounting axis to photometric center) = 400 mm
hilt angle = 5 deg
mounting height = 6 m
number locations = 21, number luminaires = 21

Roadway
2689 points at z=0, sp 1.5m by 1.5m
HORIZONTAL LUX

Average	10.3
Maximum	19.8
Minimum	2.3
Mini/Avg(Uo)	0.222
Min/Max	0.116
Coef Var	0.403
UnifGrad	2.22



PUBLIC LIGHTING MICRO PILLAR
1:25 (A1)



Rev	Status	Date	Description	D.E.
P04	S2	July '20	ISSUED FOR PLANNING	C.McD
P03	S2	May '20	ISSUED FOR PLANNING	C.McD
P02	S2	Jan '20	ISSUED FOR PLANNING	M.S
P01	S2	Nov '19	ISSUED FOR INFORMATION	M.S

Revision	Project Drawing Reference		
P04	17720-VCE-XX-XX-DR-E-1003		
Status	Varming Project Number		
S2	17720		
Date	Checked By	Drawn By	Scale
Nov '19	C.G	M.S	1:500@A1

Client
Burkeway Homes Ltd
Third Floor, Queensfaghte, Dock Road, Galway

Project Title
Bearna Residential Development
Bearna, Co. Galway

Drawing Title
Electrical Services
Public Lighting Layout



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Cork	021 2375080	
Roscommon	090 6602380	
Website	www.varming.ie	

Engineering for the Future

Tibblock Revision: 2019_2