



NOTES

1. ALL EXTERIOR LIGHTING SHALL COMPLY WITH CODE OF PRACTICE FOR THE DESIGN OF ROAD LIGHTING BS5488-1:2013, EN13201-2015, DUBLIN SOUTH COUNTY COUNCIL PUBLIC LIGHTING INSTALLATION IN RESIDENTIAL AND INDUSTRIAL AREAS, NATIONAL RULES FOR ELECTRICAL INSTALLATION ET101:2008- PART 1 GENERAL REQUIREMENTS & PART 2.3 PARTICULAR REQUIREMENTS FOR PUBLIC LIGHTING INSTALLATIONS.
2. THE EXTERNAL LIGHTING LAYOUT HAS BEEN DESIGNED IN ACCORDANCE WITH IS EN 13201-2015 & CIBSE GUIDE LG-06 GUIDELINES.
3. DUCTING SHALL COMPLY WITH BSEN 50066-1-2-3-4 LATEST EDITION & SHALL BE SINGLE WALL, COLORED RED & MANUFACTURED FROM HIGH DENSITY POLYPROPYLENE. THE NOMINAL EXTERNAL DIAMETER OF THE DUCT SHALL BE 107mm WITH A MINIMAL WALL THICKNESS OF 5mm. EACH LENGTH OF DUCT SHALL BE STAMPED WITH THE WORDS "PUBLIC LIGHTING", OR ALTERNATIVELY "STREET LIGHTING", IN 18mm BLACK LETTERING AT 0 DEGREES, AT ONE METRE INTERVALS. DUCT SHALL BE LAID WITH THIS LEGEND FACING UPWARDS. DUCT SHALL BE LAID IN A STRAIGHT LINE CLOSE TO THE LINE OF THE COLUMN LOCATIONS & SHALL CONTAIN A CONTINUOUS DRAW WIRE OF 8KN STRENGTH. ALL DUCTS SHALL BE PROVEN WITH BRUSH AND MANDRILL, POLYPROPYLENE ROPED AND PLUGGED AND COMPLIANT WITH ET101 REQUIREMENTS RED DUCT SHALL BE USED FOR EXTERIORS LIGHTING CABLES.
4. A MINIMUM DEPTH OF 600mm COVER IS REQUIRED IN URBAN PATHWAYS & A MINIMUM OF 600mm COVER IS REQUIRED FOR GRASS MARGINS, PEDESTRIAN WAYS, LANEWAYS & GATEWAY ENTRANCES & A MINIMUM DEPTH OF 750mm IS REQUIRED AT ROAD CROSSINGS OR IN CARRIAGEWAYS.
5. ALL CABLE DRAW INSPECTION PITS SHALL BE OF DUCTILE IRON GALVANISED STEEL FRAME WITH FRAME OPENING OF 615mm x 615mm TO CONFORM TO EN1248125 MARKED "PUBLIC LIGHTING" OR TRAFFIC WITH M16 STAINLESS STEEL LOCKING BOLT. ALL CABLE DRAW INSPECTION PITS FOR USE ON CARRIAGEWAYS SHALL BE OF THE SAME DIMENSION AS ABOVE WITH HIGH STRENGTH ENGINEERING OR SITU CONCRETE. COVERS AND FRAMES SHALL BE APPROVED BY LICENSED BODY NSAI OR BRITISH STANDARDS INSTITUTE OF QUALITY ASSURANCE SERVICES.
6. ALL EQUIPMENT TO BE SUITABLY IP & IK RATED FOR THE ENVIRONMENT THEY ARE BEING INSTALLED.
7. LIGHT COLUMN SETBACK SHALL BE 0.8M FROM KERB IN ACCORDANCE WITH BS5489-1 TABLE 2 & WICKLOW COUNTY COUNCIL PUBLIC LIGHTING SPECIFICATION.
8. SITE LIGHTING CABLING TO TERMINATE IN SITE MINI PILLARS AS INDICATED.
9. PUBLIC LIGHTING COLUMNS TO BE CONSTRUCTED OF GALVANISED STEEL AND COMPLY WITH DUBLIN SOUTH COUNTY COUNCIL PUBLIC LIGHTING SPECIFICATION REQUIREMENTS & EN40 STANDARDS.
10. EXISTING SITE LIGHTING TO BE DISCONNECTED, STRIPPED BACK AND REUSED TO FORM PART OF THE NEW SITE LIGHTING LAYOUT.

SCHEDULE OF SYMBOLS

	LANTERN ORIENTATION
	COLUMN BASE
	CREE LIGHTING - ENERGY UNO LED STREET / AREA LUMINAIRE (TRSA-02-200-8L30854W) MOUNTED ON 8M POLE
	DN107mm PL DUCT - SITE LIGHTING CABLE LAYOUT (INDICATIVE)
	PUBLIC LIGHTING MINI PILLAR
	1.0 LUX
	2.0 LUX
	5.0 LUX
	7.0 LUX
	10.0 LUX
	20.0 LUX
	30.0 LUX

P2	PRELIM ISSUE - UPDATED ARCH	FB	FB	NP	04/03/22
P1	PRELIM DESIGN ISSUE	FB	FB	NP	29/11/21
REV	DESCRIPTION	DRN	ENG	APP	DATE

PMEP
Penston MEP Consulting

1st floor, Block A, Citywest Shopping Centre, D12 | 01 2530710 | info@pmep.ie | www.pmep.ie | © Copyright PMEP

PROJECT DRIVE THRU COFFEE SHOP LUCAN RETAIL PARK	
CLIENT NEW IRELAND ASSURANCE COMP.	ARCHITECT JOSEPH DOYLE ARCHITECTS

DRAWING TITLE
ELECTRICAL SERVICES INSTALLATION
SITE LIGHTING LUX LEVEL LAYOUT

SCALE A1 1:300 A3 1:600	SHEET SIZE A1	DRAWING No. T024-PMEP-00-00-DR-E-02	REV. P2
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