



LEGEND



Light type A & E
Heritage LED luminaire mounted on 8m black lighting column. Building facing glass pane to be fitted with opal diffuser to reduce overspill



Light type D
Spike mounted uplighter in planter bed

Grid 1 Results - Horizontal Illuminance (lux)
Eav= 15.55
Emin= 6.27
Emax= 34.33
Emin/Eav= 0.19
Emax/Eav= 2.21

Grid 2 Results - Horizontal Illuminance (lux)
Eav= 20.18
Emin= 18.85
Emax= 31.43
Emin/Eav= 0.90
Emax/Eav= 0.72
Emin/Eav= 1.20

Grid 3 Results - Horizontal Illuminance (lux)
Eav= 19.09
Emin= 13.98
Emax= 23.90
Emin/Eav= 0.58
Emax/Eav= 0.73
Emin/Eav= 1.25

Luminaire Data
Luminaire A: B8P64 PCO T25 DW10 LED91-NO Lamp LED91-45/90 MF 0.83
Luminaire D: B8P342 LED120VW 12W 200 Lamp LED MF 0.83
Luminaire E: B8P64 FG T25 DX10 LED91-NO Lamp LED91-45/90 MF 0.83

Key
● Luminaire A Column (mounted at 8m)
● Luminaire D Column
● Luminaire E Column (mounted at 8m)
○ Beam Aiming Target
□ Photometric Centre

- 100mm red pvc ducting for site lighting
- 125mm red pvc ducting for ESB LV cabling
- Public lighting micro pillar
- Cable access chamber
- ESB minipillar

P5	19/06/23	First Issue	DE	RM
P6	20/06/23	Preliminary Issue	DE	RM
P7	05/07/23	Preliminary Issue	RM	RM
Rev./Date	Description		By / Chkd	

Client

 comhairle chontae na mieth county council

Project
 Oldcastle Main Square Public Realm Enhancement Scheme

Title
 Public Lighting Layout

- Notes:
- Public lighting shall comply with IS EN 13210-2:2015 Class C3
 - All electrical services shall comply with IS 10101:2020 and ESB Networks distribution system interface requirements.
 - LED luminaires shall be programmed to U14 dimming and trimming in line with Public Lighting Energy Efficiency Project PLEEP
 - Light sources shall be 3000K in all applications
 - Lighting ducting shall be 100mm red HDPE stamped with words "Public Lighting" at 1m intervals and letters 9mm in height.
 - Public lighting
 - 10mm 8kN draw wires to be provided at all termination points.
 - Electrical marker tape should mark ducting at 300mm below finished ground level.
 - Lighting columns shall be designed to EN 40 and in accordance with BS94/07 for a minimum 25 year life for a Terrain Category of TC3 and reference the relevant 10 minute mean wind velocity.
 - Cross sectional area of lighting cabling shall be not less than 6mm². Circuit length shall not exceed 200m
 - Voltage drop on lighting circuits shall not exceed 5%.

Scale @ 1:250
 A1:

Prepared by: DE	Checked by: RM	Date: July 2023
Project Director: R.Meally	Drawing: Draft	

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