



**LEGEND**



Light type AB, C and D

Roadway Lighting IS EN 13201:2015 Class C3)  
 Results - Horizontal Illuminance (lx)  
 Emin: 16.08  
 Emax: 0.54  
 Emean: 12.25  
 Emax/Emin: 0.01  
 Emean/Emin: 0.33  
 Emax/Emin: 5.78

Carpark (S15464:2-2007)  
 Results - Horizontal Illuminance (lx)  
 Emin: 20.21  
 Emax: 5.78  
 Emean: 28.33  
 Emax/Emin: 0.10  
 Emean/Emin: 0.28  
 Emax/Emin: 2.88

Luminaire Data  
 Luminaire A BGP291 DN25 Lamp LED-HB 5.25 730 MF 0.84  
 Luminaire B BGP702 DP1 Lamp LED-HB 5.25 730 MF 0.84  
 Luminaire C BGP702 DP1 Lamp LED-HB 5.25 730 MF 0.84  
 Luminaire D BGP293 DX70 Lamp LED-HB 5.25 740 MF 0.84

- Key
- Luminaire A Column (mounted at 6m)
  - Luminaire B Column (mounted at 6m)
  - Luminaire C Column (mounted at 6m)
  - Luminaire D Column (mounted at 6m)
  - Beam Aiming Target
  - Photometric Centre

P1	05/07/23	First Issue	RM	RM
Rev.	Date	Description	By	Chkd

Client  

 comhairle chontae na mi meath county council

Project  
 Oldcastle Main Square Public Realm Enhancement Scheme

Title  
 Lighting Layout  
 Gilsons National School

- Notes:
1. Roadway public lighting shall comply with IS EN 13210-2:2015 Class C3
  2. Carpark lighting to IS EN 12464-2 2007.
  3. All electrical services shall comply with IS 10101:2020 and ESB Networks distribution system interface requirements.
  4. LED luminaires shall be programmed to U14 dimming and trimming in line with Public Lighting Energy Efficiency Project PLEEP
  5. Light sources shall be 3000K in all applications
  6. Lighting ducting shall be 100mm red HDPE stamped with words "Public Lighting) at 1m intervals and letters 9mm in height.
  7. Public lighting
  8. 10mm 8kV draw wires to be provided at all termination points.
  9. Electrical marker tape should mark ducting at 300mm below finished ground level.
  10. Lighting columns shall be designed to EN 40 and in accordance with BD94/07 for a minimum 25 year life for a Terrain Category of TC3 and reference the relevant 10 minute mean wind velocity.
  11. Cross sectional area of lighting cabling shall be not less than 6mm<sup>2</sup>. Circuit length shall not exceed 200m
  12. Voltage drop on lighting circuits shall not exceed 5%.

Scale @ 1:400  
 A1:

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

STATUS

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 CONSULTING ENGINEERS **rmce**  
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