

| Luminaire Schedule                                                             |     |     |        |          |                                                                        |            |        |              |          |            |
|--------------------------------------------------------------------------------|-----|-----|--------|----------|------------------------------------------------------------------------|------------|--------|--------------|----------|------------|
| Symbol                                                                         | Ref | Qty | Config | Outreach | Description                                                            | Mtg Height | Lumens | Cutoff Class | Total MF | Unit Watts |
|  | A   | 14  | Single | 0        | Kirium One 12 LED 3_0K Asymmetrical Area 600mA UMSUG 42 0020 0000 100  | 5          | 3104   | Non-Cutoff   | 0.840    | 20         |
|  | B   | 4   | Single | 0        | Kirium One 12 LED 3_0K Medium Road Type 2 600mA UMSUG 42 0020 0000 100 | 5          | 3211   | Semi-Cutoff  | 0.840    | 20         |
|  | C   | 19  | Single | 0        | Kirium 160 bollard-Symmetric 3k-300mA-5W                               | 1          | 521    | Cutoff       | 0.840    | 5          |

Luminous Flux Factor (LFF): BS5489-1:2020 [Annex D2] = 1.0 [CLO]

Survival Factor [SF]: BS5489-1:2020 [Annex D2] = 1.0

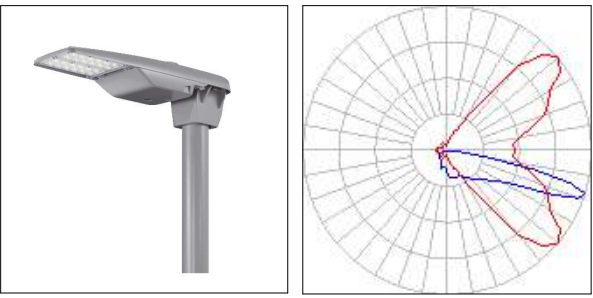
Luminaire Maintenance Factor [LMF]: BS5489-1:2020 [Table C1] = 72 Months:  
Environmental Zone:

E3/E4 =<6M TLS = 0.84

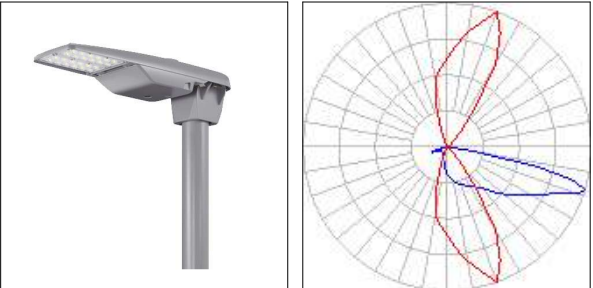
[LFF] \* [SF] \* [LMF] = Total Maintenance Factor Value

| Calculation Results Summary |             |       |      |      |      |      |      |         |         |
|-----------------------------|-------------|-------|------|------|------|------|------|---------|---------|
| Grid Reference              | Measurement | Units | Eav  | Emax | Emin | Uo   | Ud   | X Pitch | Y Pitch |
| Area 1                      | Illuminance | Lux   | 2.67 | 51.1 | 0.0  | 0.00 | 0.00 | 1.5     | 1.5     |
| Area 2                      | Illuminance | Lux   | 1.76 | 52.4 | 0.0  | 0.00 | 0.00 | 1.5     | 1.5     |
| Area 3                      | Illuminance | Lux   | 1.97 | 51.6 | 0.0  | 0.00 | 0.00 | 1.5     | 1.5     |
| Road 1                      | Illuminance | Lux   | 7.37 | 32.3 | 1.0  | 0.14 | 0.03 | 1.5     | 1.5     |
| Road 2                      | Illuminance | Lux   | 6.75 | 21.0 | 1.0  | 0.15 | 0.05 | 1.5     | 1.5     |

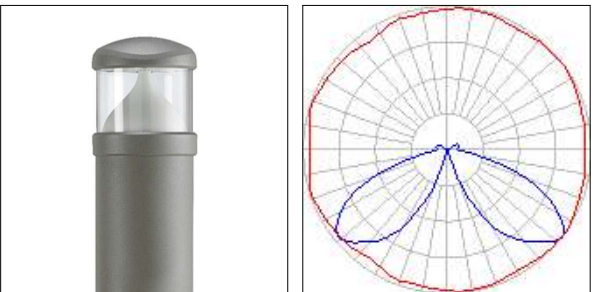
| Luminaire Location Summary |           |            |            |         |      |         |
|----------------------------|-----------|------------|------------|---------|------|---------|
| Col ID                     | Ref (Qty) | X          | Y          | Angle   | Tilt | Dimming |
| 1                          | A(1)      | 519579.728 | 133955.938 | 77.55   | 0    | 1.00    |
| 2                          | A(1)      | 519584.271 | 133977.105 | 257.197 | 0    | 1.00    |
| 3                          | A(1)      | 519604.171 | 133950.971 | 78.348  | 0    | 1.00    |
| 4                          | A(1)      | 519608.996 | 133972.033 | 257.653 | 0    | 1.00    |
| 5                          | A(1)      | 519626.625 | 133948.069 | 80.343  | 0    | 1.00    |
| 6                          | A(1)      | 519649.51  | 133961.649 | 259.475 | 0    | 1.00    |
| 7                          | A(1)      | 519606.279 | 134021.629 | 79.516  | 0    | 1.00    |
| 8                          | A(1)      | 519659.637 | 134012.824 | 79.325  | 0    | 1.00    |
| 9                          | A(1)      | 519623.271 | 133994.222 | 348.158 | 0    | 1.00    |
| 10                         | A(1)      | 519643.836 | 134006.128 | 168.997 | 0    | 1.00    |
| 11                         | A(1)      | 519648.593 | 134015.15  | 79.599  | 0    | 1.00    |
| 12                         | A(1)      | 519622.152 | 134018.446 | 80.299  | 0    | 1.00    |
| 13                         | A(1)      | 519636.279 | 133978.517 | 168.177 | 0    | 1.00    |
| 14                         | A(1)      | 519411.737 | 133813.22  | 287.916 | 0    | 1.00    |
| 15                         | B(1)      | 519401.951 | 133886.247 | 343.318 | 0    | 1.00    |
| 16                         | B(1)      | 519417.226 | 133863.724 | 201.968 | 0    | 1.00    |
| 17                         | B(1)      | 519430.269 | 133832.719 | 199.212 | 0    | 1.00    |
| 18                         | B(1)      | 519438.716 | 133811.776 | 203.032 | 0    | 1.00    |
| 19                         | C(1)      | 519564.578 | 133893.596 | 80.939  | 0    | 1.00    |
| 20                         | C(1)      | 519575.584 | 133891.385 | 79.206  | 0    | 1.00    |
| 21                         | C(1)      | 519586.59  | 133888.973 | 78.814  | 0    | 1.00    |
| 22                         | C(1)      | 519597.432 | 133906.198 | 260.027 | 0    | 1.00    |
| 23                         | C(1)      | 519581.362 | 133909.445 | 259.418 | 0    | 1.00    |
| 24                         | C(1)      | 519670.356 | 133911.591 | 257.805 | 0    | 1.00    |
| 25                         | C(1)      | 519482.968 | 133886.158 | 4.761   | 0    | 1.00    |
| 26                         | C(1)      | 519499.695 | 133903.616 | 185.775 | 0    | 1.00    |
| 27                         | C(1)      | 519501.456 | 133895.306 | 8.271   | 0    | 1.00    |
| 28                         | C(1)      | 519518.241 | 133898.333 | 192.24  | 0    | 1.00    |
| 29                         | C(1)      | 519517.14  | 133904.861 | 190.404 | 0    | 1.00    |
| 30                         | C(1)      | 519483.351 | 133893.38  | 4.26    | 0    | 1.00    |
| 31                         | C(1)      | 519588.73  | 134003.168 | 73.883  | 0    | 1.00    |
| 32                         | C(1)      | 519531.434 | 134009.288 | 45.384  | 0    | 1.00    |
| 33                         | C(1)      | 519532.755 | 134019.281 | 316.417 | 0    | 1.00    |
| 34                         | C(1)      | 519542.119 | 134032.796 | 338.71  | 0    | 1.00    |
| 35                         | C(1)      | 519558.584 | 134028.35  | 160.833 | 0    | 1.00    |
| 36                         | C(1)      | 519555.194 | 134019.06  | 160.079 | 0    | 1.00    |
| 37                         | C(1)      | 519545.421 | 134010.783 | 67.56   | 0    | 1.00    |



REF A:  
Kirium One, 12LED, 3000K, Asymmetrical Area, 600mA.  
Painted in Black Ral 9005.  
With 35Lux Photocell.  
5M Tubular Steel Column, rooted. Painted in Black Ral 9005.



REF B:  
Kirium One, 12LED, 3000K, Medium Road Type 2, 600mA.  
Painted in Black Ral 9005.  
With 35Lux Photocell.  
5M Tubular Steel Column, rooted. Painted in Black Ral 9005.



REF C:  
Kirium 160mm, 1M, Symmetric Optic, 3000K, 300mA.  
Painted in Black Ral 9005.

Road 1 & 2:

[BS EN 13201-2:2015](#)

6.1 Requirements for pedestrians & pedal cyclists  
Table 3 - P Lighting Classes

**Class P4:**

5.0 - 7.5lx Eav  
1.0lux Emin

A 04/06/2026 Based on client CAD DWG  
Issue: Date: Description:

CDM Statement:  
Please note that this proposed lighting scheme is a lighting solution that has been designed with information provided by the client. The solution does not include site, installation engineering or any risk assessment considerations for CDM.



Project:  
**L&G Development, Mowbray**  
**- RM 12**

Client: David Jarvis Associates Contact: Paul Gibbs  
Project Management: Steven Meredith Lighting Design: Emma Gregory

All measurements in Metres & lux. Do not scale from this drawing.  
All product images are indicative.

Filename: 26-228-1A - 1.1 L&G Development, Mowbray - RM 12 [Layout].AGI AG32® Version 22.3.2  
Date: 04/06/2026 Scale: 1:600 @ A1

Project Ref: Page 1 of 1

**26-228-1A**