



**MBA**

**PROJECT NAME:**  
Blarney Housing

**PROJECT No:** 1617

**SCALE:** 1:500      **DATE:** 10 February 2026

**CALCULATION:**  
Horizontal Illuminance (lux)

**DESIGNER:**  
M Buckley CEng MIEI MCIBSE

Main Spine Road IP3  
Residential Estate Class 14  
Residential Estate Class 14  
Having considered the proposed lighting scheme, the following information is provided to assist in the design. Room layout to be fitted to all fittings along the perimeter as noted on drawing (R2) not possible to show this on contour.  
3000K Light fittings used typically  
2700K Light fittings used on perimeter and southern boundary.  
Lights and southern perimeter areas reduced to 4m in height.  
L144 Chipping Profile produced by the manufacturer of all quantities.  
Luminaires BSA 108 shall also be the LED version of Lites Kensington (L144) (not currently available).  
Any Lights outside of lighting in other areas to be reviewed separately as detailed in proposals.

**PREPARED BY:**

| Results Work Area |       |
|-------------------|-------|
| Eav               | 5.85  |
| Emin              | 0.55  |
| Emax              | 21.75 |
| Emin/Emax         | 0.03  |
| Emin/Eav          | 0.09  |
| Results Work Area |       |
| Eav               | 17.64 |
| Emin              | 9.80  |
| Emax              | 21.66 |
| Emin/Emax         | 0.45  |
| Emin/Eav          | 0.56  |
| Results Grid 3    |       |
| Eav               | 8.24  |
| Emin              | 3.19  |
| Emax              | 14.44 |
| Emin/Emax         | 0.22  |
| Emin/Eav          | 0.39  |
| Results Grid 4    |       |
| Eav               | 5.57  |
| Emin              | 1.98  |
| Emax              | 9.18  |
| Emin/Emax         | 0.22  |
| Emin/Eav          | 0.36  |
| Results Grid 5    |       |
| Eav               | 5.00  |
| Emin              | 1.43  |
| Emax              | 8.16  |
| Emin/Emax         | 0.17  |
| Emin/Eav          | 0.29  |

|                    | ●                       | ●                       | ●                       | ●                   |
|--------------------|-------------------------|-------------------------|-------------------------|---------------------|
|                    | Luminaire A             | Luminaire B             | Luminaire C             | Luminaire D         |
| Supplier           | LumSheet gen2 Eco       | LumSheet gen2 Eco       | LumSheet gen2 Eco       | Cree Lighting       |
| Type               | LED20 L94@100kh/740 T25 | LED74 L94@100kh/730 T25 | LED30 L94@100kh/730 T25 | TRSA-Q2-AR6-AL7322W |
| Lamp Flux (lm)     | 200                     | 740                     | 300                     | 343                 |
| Maintenance Factor | 0.80                    | 0.80                    | 0.80                    | 0.80                |
| No. in Project     | 49                      | 2                       | 14                      | 5                   |