

| Zone | Surrounding | Lighting Environment | Examples |
|------|-------------|-------------------------------|--|
| E0 | Protected | Dark | UNESCO Starlight Reserves, IDA Dark Sky Parks |
| E1 | Natural | Intrinsically dark | National Parks, Areas of Outstanding Natural Beauty etc |
| E2 | Rural | Low district brightness | Village or relatively dark outer suburban locations |
| E3 | Suburban | Medium district brightness | Small town centres or suburban locations |
| E4 | Urban | High district brightness | Town/city centres with high levels of night time activity |

| Table 2 – Obt Observers | rusive Light | Limitation | IS TOP EXTERI | or Lighting | installation | s – General | |
|----------------------------|--|--|-----------------|--|-----------------|-------------------------------------|--|
| Environment al Zone | Sky Glow ULR [Max %] ⁽¹⁾ | Light Intrusion (into Windows) E _v [lux] ⁽²⁾ | | Luminaire Intensity I [candelas] ⁽³⁾ | | Building Luminance Pre-curfew | |
| | - | Pre- curfew | Post- curfew | Pre- curfew | Post- curfew | Average, L [cd/m ²] | |
| E0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| E1 | 0 | 2 | 0(1*) | 2,500 | 0 | 0 | |
| E2 | 2.5 | 5 | 1 | 7,500 | 500 | 5 | |
| E3 | 5.0 | 10 | 2 | 10.000 | 1.000 | 10 | |
| E4 | 15 | 25 | 5 | 25,000 | 2,500 | 25 | |

| hen S/P e is not fied) | (e.g. some ty white lam | 2 and R ₂ ≥ 60 pes of warm p such as halide) | Values In lux S/P ratio = 2 and $R_a \ge 60$ (e.g. some types of cool white compact fluorescent or LED) | | |
|------------------------------|----------------------------|--|---|------|--|
| | Ē | Emin | Ē | Emin | |
| | 13.4 | 2.7 | 12.3 | 2.5 | |
| | 8.6 | 1.7 | 7.7 | 1.5 | |
| | 6.3 | 1.3 | 5.5 | 1.1 | |
| | 4.0 | 0.8 | 3.4 | 0.7 | |
| | 2.2 | 0.4 | 1.8 | 0.4 | |
| | 1.4 | 0.4 | 1.1 | 0.4 | |
| | | | | | |

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| | | | | |
| | | | | |
| LEC | SEND: | | | |
| | X-A1 | | IER | |
| • | X-A2 | | | |
| • | X-A3 | COMPACT DOWNLIGHT | | |
| • | X-B1 | BOLLARD | | |
| - | X-C1 | RECESSED LUMINAIRE | | |
| | X-D1 | WALL MOUNTED UP/DOWN LI | GHT | |
| • | X-D2 | COMPACT DOWNLIGHT | | |
| - | X-F1 | FLEXIBLE LED STRIP | | |
| • | X-G1 | IN GROUND LIGHT | | |
| _ | X-H1 | LED ROD | | |
| | X-J1 | WALL LIGHT | | |
| | X-K1 | WALL LIGHT | | |
| | | | | |

FOR DETAILS OF LUMINAIRES, REFER TO LUMINAIRE DATA SHEETS.

LUX LEVEL CONTOUR LINES:

| 3 LUX | |
|---------|--|
| 5 LUX | |
| 7.5 LUX | |
| 10 LUX | |
| 15 LUX | |
| 20 LUX | |
| 30 LUX | |
| 50 LUX | |
| 75 LUX | |
| 100 LUX | |
| 150 LUX | |
| 300 LUX | |

HOARE LEA (H.)

Drawing Title

Hawkins∖ Brown

Architect:

UCL Estates

IoN/DRI Redevelopment Project 256 Grays Inn Road London WC1X 8LD

FOR REVIEW & COMMENT/APPROVAL

EXTERNAL LIGHTING LUX PLOT

| | Michael J Lonsdal 22-24 Cowper Str E london@michae T 020 7253 7879 | eet London EC2A 4AP |
|-------------|---|-------------------------|
| Discipline | Originator (CAD Bureau) | Grid Reference |
| Electrical | MJL | N/A |
| Checked By | Checked Date | MJL Project No. |
| JW | 17/01/22 | ME2871 |
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