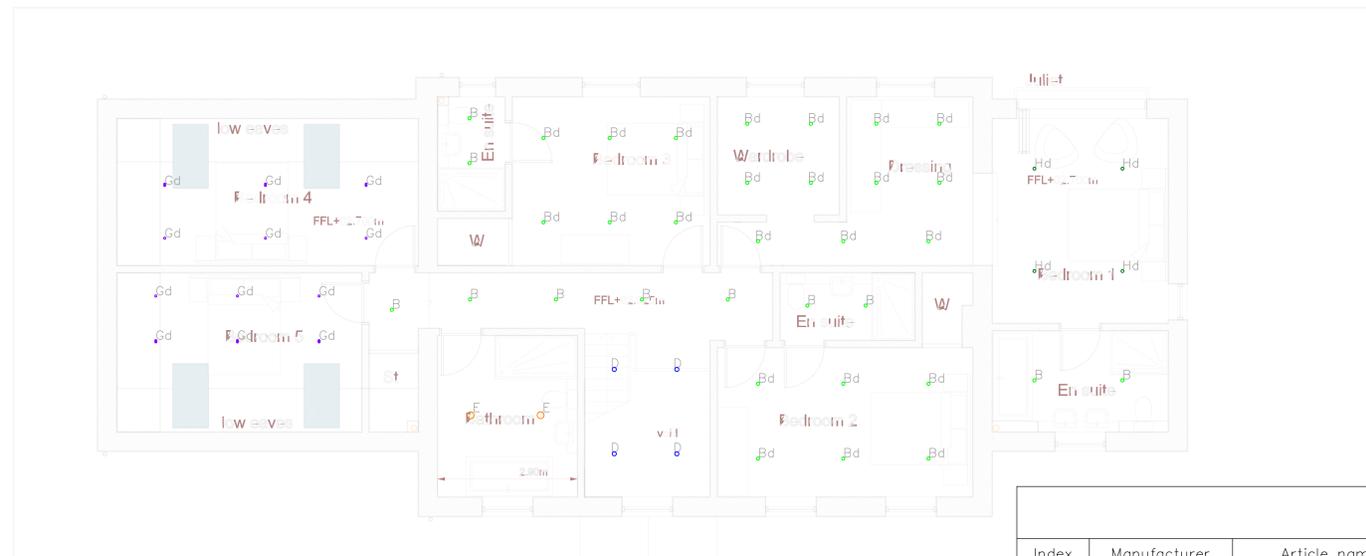


GARAGE LIGHT MOUNTED AT 2.6m



Ground Floor



First Floor

ALL EXTERIOR LIGHTS MOUNTED AT 2.2m

| # | Name | Parameter | Min | Average | Min/average |
|----|-----------------------------------|---------------------------|---------|---------|-------------|
| GF | Bottom Tread | Perpendicular illuminance | 144 lx | 163 lx | 0.88 |
| GF | Working plane (Garage) | Perpendicular illuminance | 185 lx | 313 lx | 0.59 |
| GF | Working plane (WC) | Perpendicular illuminance | 71.4 lx | 116 lx | 0.62 |
| GF | Working plane (Utility/Boot Hall) | Perpendicular illuminance | 87.3 lx | 114 lx | 0.77 |
| GF | Working plane (Study) | Perpendicular illuminance | 323 lx | 380 lx | 0.85 |
| GF | Working plane (Family/Dining) | Perpendicular illuminance | 165 lx | 204 lx | 0.81 |
| GF | Working plane (Landing) | Perpendicular illuminance | 157 lx | 215 lx | 0.73 |
| GF | Working plane (Lounge) | Perpendicular illuminance | 116 lx | 152 lx | 0.76 |
| GF | Working plane (Kitchen) | Perpendicular illuminance | 289 lx | 381 lx | 0.76 |
| GF | Working plane (Porch) | Perpendicular illuminance | 103 lx | 316 lx | 0.33 |

| # | Name | Parameter | Min | Average | Min/average |
|----|-------------------------------|---------------------------|--------|---------|-------------|
| FF | Working plane (Bedroom 4) | Perpendicular illuminance | 144 lx | 211 lx | 0.68 |
| FF | Working plane (Bedroom 5) | Perpendicular illuminance | 152 lx | 244 lx | 0.62 |
| FF | Working plane (En Suite) | Perpendicular illuminance | 146 lx | 315 lx | 0.46 |
| FF | Working plane (Bedroom 3) | Perpendicular illuminance | 208 lx | 275 lx | 0.76 |
| FF | Working plane (Upper Landing) | Perpendicular illuminance | 158 lx | 323 lx | 0.49 |
| FF | Working plane (Bathroom) | Perpendicular illuminance | 178 lx | 271 lx | 0.66 |
| FF | Working plane (Dressing) | Perpendicular illuminance | 222 lx | 343 lx | 0.65 |
| FF | Working plane (En Suite) | Perpendicular illuminance | 141 lx | 282 lx | 0.50 |
| FF | Working plane (Bedroom 2) | Perpendicular illuminance | 163 lx | 239 lx | 0.68 |
| FF | Working plane (En Suite) | Perpendicular illuminance | 123 lx | 210 lx | 0.59 |
| FF | Working plane (Bedroom 1) | Perpendicular illuminance | 238 lx | 337 lx | 0.71 |
| FF | Working plane (Upper Landing) | Perpendicular illuminance | 208 lx | 272 lx | 0.76 |

LUMINAIRE SCHEDULE

| Index | Manufacturer | Article name | Item number | CCT | Dimmable | Luminous flux | Connected load | Quantity |
|-------|---|---|------------------------|-------|----------|---------------|----------------|----------|
| A | Kellwood Lighting | Noir 2 Series - IP65 Industrial Linear - 63W - 5ft. - Frosted Diffuser - 5000K - 120° Beam Angle | NAI2-PA63A(63W)-850-FR | 5000K | N/A | 10009 lm | 60 W | 2 |
| B | Kellwood Lighting | Kellwood Lighting - Webster Series - 8W 3" Premium IP65 LED Downlight - CRI>80 3000K - 60A° Beam Angle | WEB-8A-830-60 | 3000K | N/A | 594 lm | 8.3 W | 12 |
| Bd | Kellwood Lighting | Kellwood Lighting - Webster Series - 8W 3" Premium IP65 LED Downlight - CRI>80 3000K - 60A° Beam Angle | WEB-8A-830-60 | 3000K | TRIAC | 594 lm | 8.3 W | 29 |
| C | Kellwood Lighting | Kellwood Lighting - Webster Series - 10W 3" Premium IP65 LED Downlight - CRI>80 3000K - 60A° Beam Angle | WEB-10A-830-60 | 3000K | N/A | 713 lm | 10.3 W | 2 |
| Cd | Kellwood Lighting | Kellwood Lighting - Webster Series - 10W 3" Premium IP65 LED Downlight - CRI>80 3000K - 60A° Beam Angle | WEB-10A-830-60 | 3000K | TRIAC | 713 lm | 10.3 W | 14 |
| D | Kellwood Lighting | Kellwood Lighting - Webster Series - 15W 4" Premium IP65 LED Downlight - CRI>80 3000K - 60A° Beam Angle | WEB-15B-830-60 | 3000K | N/A | 1167 lm | 14.3 W | 6 |
| Dd | Kellwood Lighting | Kellwood Lighting - Webster Series - 15W 4" Premium IP65 LED Downlight - CRI>80 3000K - 60A° Beam Angle | WEB-15B-830-60 | 3000K | TRIAC | 1167 lm | 14.3 W | 8 |
| E | Kellwood Lighting | Kellwood Lighting - Webster Series - 8W 3" Premium IP65 LED Downlight - CRI>80 3000K - 24A° Beam Angle | WEB-8A-830-24 | 3000K | N/A | 617 lm | 8.2 W | 1 |
| F | Kellwood Lighting | Kellwood Lighting - Whitelaw Series - 15W 6" Premium IP65 LED Downlight - CRI>80 3000K - 90° Beam Angle Opal Lens | WHI-15A-830-90 | 3000K | N/A | 1273 lm | 14.4 W | 2 |
| Gd | Ansell Lighting | Prism Pro CCT Fire Rated Gimbal | APRIPG/I/WH | 3000K | TRIAC | 671 lm | 6.9 W | 12 |
| Hd | Ansell Lighting | Ruby LED | ARULEDP/WW/B | 3000K | TRIAC | 1540 lm | 15.4 W | 4 |
| EX1 | Kellwood Lighting | Baker Series - LED Bulkhead - 10W - 230mm - CRI>80 2700K | BAK-10-827 | 3000K | N/A | 319 lm | 9.4 W | 4 |
| EX3 | Kellwood Lighting | McFarlane 5 Series: Premium LED Floodlight and Bay Light - 40W - Nichia 3535 LED Chip - CRI>70 3000K - IESNA Type III Optic with Medium Lateral Throw - Backspill Guard | MCF5A-40-730-3M | 3000K | N/A | 5787 lm | 40.1 W | 1 |
| MS/PC | To Be Supplied By Electrical Contractor | Motion Sensor/Photocell (Either Combination Units or Dedicated Units for each function) | N/A | N/A | N/A | N/A | N/A | 5 |

- GENERAL NOTES**
- DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL SERVICE DRAWINGS.
 - DRAWING SHALL NOT BE SCALED FROM.
- LIGHTING DESIGN PARAMETERS**
- ALL LIGHTING CALCULATIONS GENERATED USING A MAINTENANCE FACTOR OF 1.00.
 - LIGHTING CALCULATIONS REPRESENT 'DAY 1' ILLUMINATION VALUES.
 - GLAZING APERTURES SIMULATED WITH THE BELOW VALUES:
Reflection Factor = 10%
Transmission = 90%
Refractive Index = 1.5
- MITIGATION FACTORS**
- INTERNAL LIGHTING**
- ALL INTERNAL LIGHTING IN SIGNIFICANT PROXIMITY TO GLAZED APERTURES (WINDOWS/DOORS) IS 3000K CCT OR LESS.
 - WHERE APPROPRIATE, INTERNAL LIGHTING IS DIMMABLE TO PROVIDE ADDITIONAL CONTROL OVER ILLUMINATION (NON-CIRCULATION AREAS).
- EXTERNAL LIGHTING**
- ALL EXTERNAL LIGHTS ARE OF 3000K CCT OR LOWER
 - ALL EXTERNAL LIGHTS GENERATE 0% UPWARD LIGHT WHEN MOUNTED WITH 0° UPWARD TILT.
 - ALL EXTERNAL LIGHTS SHOULD BE CONNECTED TO MOTION SENSORS AND/OR PHOTOCELLS TO REDUCE ILLUMINATION TIMES (THIS IS AT THE DISCRETION OF THE CLIENT AND THEIR PREFERRED ELECTRICAL CONTRACTOR TO DETERMINE SUITABLE PLACEMENT)

Drawn By: MTKB Checked By: DCN

| REV | DESCRIPTION | CHK | DATE |
|-----|-------------|----------|------|
| 000 | REASON | INITIALS | DATE |

Project:
Design Space Architecture
Leapings Lane
Lighting

Services:
LIGHTING LAYOUT
PLOT 2

A division of the Kellwood Engineering Group - Est. 1985
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Scale: DO NOT SCALE Date: 21/02/25

Drawing No. PL0008688-DES105-004 Revision. 0