

Dimensions are not to be scaled from this drawing

| Luminaire Schedule | | | | Arrangement | | Description | | Lum. Lumens | LLF |
|---------------------|-------------|-------|-------------|--|-----|-------------|---------|-------------|-----|
| Symbol | Qty | Label | Arrangement | 6W LED 2700K 205mA SEMITA Urban with ST street optic building mounted at 2.5m. | | 774 | 0.900 | | |
| 1 | 2 | EX1 | SINGLE | 19W LED 3000K Klou 180 with black optic radial | | 1900 | 0.900 | | |
| 17 | 17 | EX3 | SINGLE | Quadro 180 3000K 45W 3.5m | | 2450 | 0.900 | | |
| Calculation Summary | | | | | | | | | |
| Label | CalcType | Units | Avg | Max | Min | MinAvg | Min/Max | | |
| Podium | Illuminance | Lux | 73.40 | 165 | 19 | 0.26 | 0.12 | | |



Kingfisher Lighting

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Kingfisher Lighting

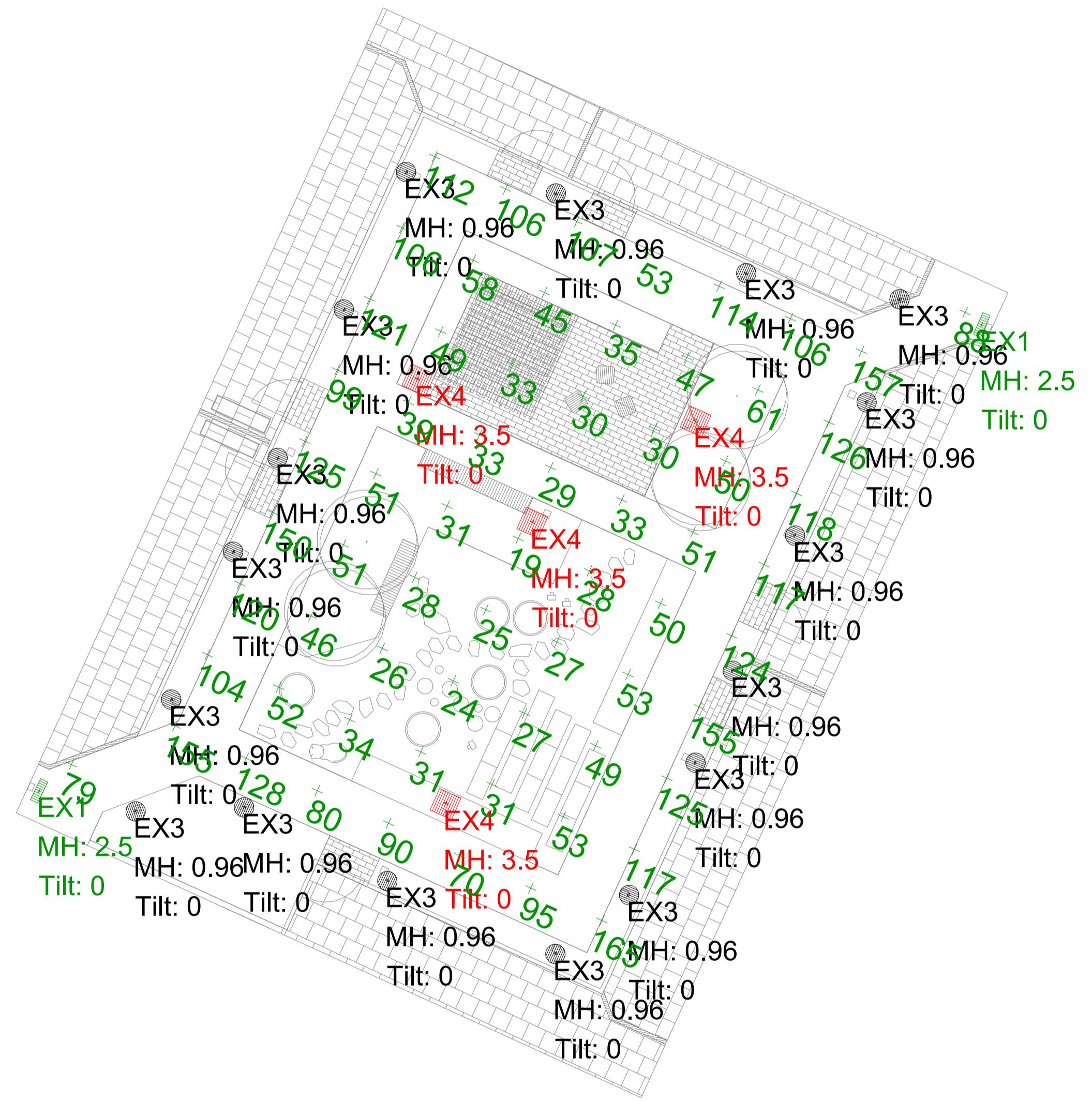
Part of the **LUCECO** group of companies

BREEAM New Construction 2018 (UK)

47186 Avondale Drive Hayes Town Centre

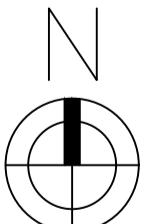
| Colour Temperature (K) | Qty | Range | Light Source | Luminaire Lumens (lm) | Watts (W) | lm/W | LOR | Total Lumens | ULOR | Upward Lumens | CRI | ** ART Hour Per Day | CO2 (Tonnes) | Kw/Hour |
|------------------------|-----|----------------|-----------------|-----------------------|-----------|--------|------|--------------|-------|---------------|-----|---------------------|--------------|---------|
| 2700 | 2 | Semita Urban | 6W LED ST | 774 | 6 | 129.00 | 100% | 1548 | 0.0% | 0 | >70 | 12 | 0.01 | 52.56 |
| 3000 | 17 | Klou 180 LED | 19W LED Radial | 1900 | 19 | 100.00 | 100% | 32300 | 1.2% | 388 | >70 | 12 | 0.30 | 1414.74 |
| 3000 | 4 | Quadro Comfort | 45W LED Type VS | 2450 | 45 | 54.44 | 100% | 9800 | 36.2% | 3548 | >70 | 12 | 0.17 | 788.40 |

| | | | | |
|---|---|----------|--------------------|-------|
| GN01 - 2011 | Total Installation Lumens | 43648.00 | Total Upward Light | 9.07% |
| Table 1 Compliance | Total CO2 Per Year (Tonnes) | 0.48 | | |
| Environmental Zone | Total Electric Consumption (Kw) | 0.52 | | |
| | Total Electric Consumption Per Year (Kwh) | 2265.77 | | |
| | Average Luminaire Lumens Per Circuit Watt | 84.38 | | |
| | Compliance Status | | | |
| Pol 04 Reducti on Of Night Time Light Pollution | Fail | | | |
| Ene 03 Energy Efficient External Lighting | Pass | | | |
| Hea 01 Internal And External Lighting Levels | Pass | | | |
| Note - HEA in this report only applies to exterior lighting | | | | |
| ** ART = (Average Run Time) | | | | |
| Date | 22/11/2023 | | | |



| | | |
|--|------------------|------------------|
| Avondale Drive Hayes Town Centre | Scale | Project Number |
| | 1:200 at A1 | D47186D - PODIUM |
| HEA Highway Electrical Association HEMSA | Date | Drawing No. |
| ILP Illuminating Engineering Society of America IEC | 22 November 2023 | D47186/RDID |

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