

Dimensions are not to be scaled from this drawing



Kingfisher Lighting

Part of the Luceco PLC group of companies Luceco

56250

56200

56150

56100

A4

356250

#### Obtrusive Light - Compliance Report

CIE 150:2017, E3-Medium District Brightness, Pre-Curfew  
Filename: 51022 Rev C Leek Bowling Club  
01/08/2024 09:39:11

#### Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (15):

| Calculation Label | Test Results | Max. Illum. |
|-------------------|--------------|-------------|
| House 2_III_Seg1  | PASS         | 2           |
| House 3_III_Seg1  | PASS         | 5           |
| House 4_III_Seg1  | PASS         | 10          |
| House 5_III_Seg1  | PASS         | 2           |
| House 6_III_Seg1  | PASS         | 7           |
| House 6_III_Seg2  | PASS         | 1           |
| House 6_III_Seg3  | PASS         | 3           |
| House 7_III_Seg1  | PASS         | 4           |
| House 8_III_Seg1  | PASS         | 2           |
| House 8_III_Seg2  | PASS         | 1           |
| House 9_III_Seg1  | PASS         | 1           |
| House 9_III_Seg2  | PASS         | 0           |
| House 9_III_Seg3  | PASS         | 1           |
| House 9_III_Seg4  | PASS         | 0           |
| House 1_III_Seg1  | PASS         | 10          |

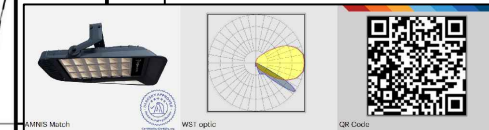
#### Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value calculated from CIE 150:2017  
(varies by Projected Area sq.m. and Distance Factor)  
For E3-Medium District Brightness, Projected Area and Distance Factors:

(0.002, 0.06) (0.01, 1.9) (0.03, 3.8) (0.13, 7.5) (0.5, 15)  
Projected Area (sq.m) = Approx. projected emitting area of luminaire in direction of observer  
Distance (m) = Distance from luminaire to observer  
Max Cd Allowed = Projected Area Factor \* Distance

| Calculation Label | Test Results |
|-------------------|--------------|
| House 2_Cd_Seg1   | PASS         |
| House 3_Cd_Seg1   | PASS         |
| House 4_Cd_Seg1   | PASS         |
| House 5_Cd_Seg1   | PASS         |
| House 6_Cd_Seg1   | PASS         |
| House 6_Cd_Seg2   | PASS         |
| House 6_Cd_Seg3   | PASS         |
| House 7_Cd_Seg1   | PASS         |
| House 8_Cd_Seg1   | PASS         |
| House 8_Cd_Seg2   | PASS         |
| House 9_Cd_Seg1   | PASS         |
| House 9_Cd_Seg2   | PASS         |
| House 9_Cd_Seg3   | PASS         |
| House 9_Cd_Seg4   | PASS         |
| House 1_Cd_Seg1   | PASS         |

| Calculation Summary | Label | Units | Avg    | Max | Min | Uniformity (Min/Avg) | Diversity (Min/Max) | Meter Type | Description      |
|---------------------|-------|-------|--------|-----|-----|----------------------|---------------------|------------|------------------|
| House 1_III_Seg1    | III   | Lux   | 268.10 | 507 | 160 | 0.65                 | 0.32                | Horizontal | House 1_III_Seg1 |
| House 1_III_Seg2    | III   | Lux   | 51.12  | 542 | 0   | 0.00                 | 0.00                | Horizontal | House 1_III_Seg2 |
| House 1_III_Seg3    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 1_III_Seg3 |
| House 1_III_Seg4    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 1_III_Seg4 |
| House 2_III_Seg1    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 2_III_Seg1 |
| House 2_III_Seg2    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 2_III_Seg2 |
| House 2_III_Seg3    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 2_III_Seg3 |
| House 2_III_Seg4    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 2_III_Seg4 |
| House 3_III_Seg1    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 3_III_Seg1 |
| House 3_III_Seg2    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 3_III_Seg2 |
| House 3_III_Seg3    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 3_III_Seg3 |
| House 3_III_Seg4    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 3_III_Seg4 |
| House 4_III_Seg1    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 4_III_Seg1 |
| House 4_III_Seg2    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 4_III_Seg2 |
| House 4_III_Seg3    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 4_III_Seg3 |
| House 4_III_Seg4    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 4_III_Seg4 |
| House 5_III_Seg1    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 5_III_Seg1 |
| House 5_III_Seg2    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 5_III_Seg2 |
| House 5_III_Seg3    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 5_III_Seg3 |
| House 5_III_Seg4    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 5_III_Seg4 |
| House 6_III_Seg1    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 6_III_Seg1 |
| House 6_III_Seg2    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 6_III_Seg2 |
| House 6_III_Seg3    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 6_III_Seg3 |
| House 6_III_Seg4    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 6_III_Seg4 |
| House 7_III_Seg1    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 7_III_Seg1 |
| House 7_III_Seg2    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 7_III_Seg2 |
| House 7_III_Seg3    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 7_III_Seg3 |
| House 7_III_Seg4    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 7_III_Seg4 |
| House 8_III_Seg1    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 8_III_Seg1 |
| House 8_III_Seg2    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 8_III_Seg2 |
| House 8_III_Seg3    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 8_III_Seg3 |
| House 8_III_Seg4    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 8_III_Seg4 |
| House 9_III_Seg1    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 9_III_Seg1 |
| House 9_III_Seg2    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 9_III_Seg2 |
| House 9_III_Seg3    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 9_III_Seg3 |
| House 9_III_Seg4    | III   | Lux   |        |     |     |                      |                     | Horizontal | House 9_III_Seg4 |



Project Title:

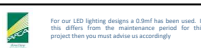
Leek Bowling Club

Scale:

1:1250 at A4

Project Number:

51022



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