



HAYES HIGGINS PARTNERSHIP

*Project Managers
Chartered Civil, Structural, Fire
& Building Services Engineers*

CONSULTANCY SERVICES FOR KILKENNY COUNTY COUNCIL



CROKER HILL HOUSING CROKER'S HILL, KENNYSWELL ROAD, KILKENNY.

(Delivery of Housing Units at Croker's Hill)

SITE LIGHTING REPORT



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1. INTRODUCTION

Hayes Higgins Partnership have been appointed as building services consultants, as part of a larger Design Team by Kilkenny County Council. The development will provide a diverse range of housing types to support varying needs/aspirations of people hoping to live there.

The development will consist of 6 No. blocks (3 of which are apartment blocks and 3 are blocks of houses) with a total of 86 dwelling units. These include a group home, houses, duplexes, apartments and a community facility on an area of approximately 2.22Ha. The 86 dwelling units specifically comprises of: 1 five-bedroom terraced house; 4 four bedroomed terraced houses; 19 three bedroomed terraced houses; 9 three bedroomed duplex apartments; 2 four bedroomed duplex apartments; 14 one bedroomed apartments; 28 two bedroomed apartments; 8 three bedroomed apartments and 1 No. five bedroomed group home.

This report sets out to demonstrate compliance of site lighting design with current standards in public lighting through Lighting Reality, design software.

2. LIGHTING REALITY DESIGN REPORT

DATE: 12 March 2019
DESIGNER: HHP
PROJECT No: 18ME002
PROJECT NAME: Croker's Hill



Outdoor Lighting Report

PREPARED BY: Hayes Higgins Partnership
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Kilkenny

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Tel.: 056 7764710

DATE: 12 March 2019 DESIGNER: HHP
PROJECT No: 18ME002 PROJECT NAME: Croker's Hill

Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

No.	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	649546.86	655091.79	191.46	78.07	1.50	1.47
2	Grid 2	649587.39	655090.18	182.29	11.20	1.49	1.40

Luminaires

Luminaire A Data

Supplier	
Type	BGP615 DW50
Lamp(s)	LED-HB 4S/740
Lamp Flux (klm)	3.20
File Name	Luma Micro_BGP615_DW50_3200_20LED_300mA_4S_CLO_L90_NW_iss
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	616.7, 39.5, 0.0
Lamp S/P Ratio	1.61
No. in Project	22

Luminaire B Data

Supplier	
Type	BGP615 DM11
Lamp(s)	LED-HB 4S/4000k
Lamp Flux (klm)	4.20
File Name	Luma Micro_BGP615_DM11_4200_20LED_410mA_4S_CLO_L90_NW_iss
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	562.5, 37.5, 0.0
Lamp S/P Ratio	1.61
No. in Project	7

Layout

No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	649719.60	655147.52	6.00	10.00	0.00	0.00	0.00			
2	A	649716.27	655166.91	6.00	10.00	0.00	0.00	0.00			
3	A	649711.85	655188.52	6.00	10.00	0.00	0.00	0.00			
4	A	649696.58	655189.62	6.00	100.00	0.00	0.00	0.00			
5	A	649656.24	655180.43	6.00	100.00	0.00	0.00	0.00			
6	A	649655.95	655165.80	6.00	200.00	0.00	0.00	0.00			
7	A	649661.18	655144.46	6.00	200.00	0.00	0.00	0.00			
8	B	649757.94	655143.91	8.00	280.00	5.00	0.00	1.00			
9	A	649618.96	655117.39	6.00	10.00	0.00	0.00	0.00			
10	A	649613.22	655140.52	6.00	10.00	0.00	0.00	0.00			
11	A	649607.53	655164.07	6.00	10.00	0.00	0.00	0.00			
12	A	649591.31	655166.12	6.00	100.00	0.00	0.00	0.00			
13	A	649571.43	655160.57	6.00	120.00	0.00	0.00	0.00			
14	A	649583.09	655114.93	6.00	230.00	0.00	0.00	0.00			
15	B	649603.82	655103.94	8.00	280.00	5.00	0.00	1.00			
16	B	649630.53	655110.28	8.00	280.00	5.00	0.00	1.00			
17	B	649656.49	655116.77	8.00	280.00	5.00	0.00	1.00			
18	B	649682.06	655123.16	8.00	280.00	5.00	0.00	1.00			
19	B	649706.56	655128.93	8.00	280.00	5.00	0.00	1.00			

DATE: 12 March 2019 DESIGNER: HHP
PROJECT No: 18ME002 PROJECT NAME: Croker's Hill

Layout Continued

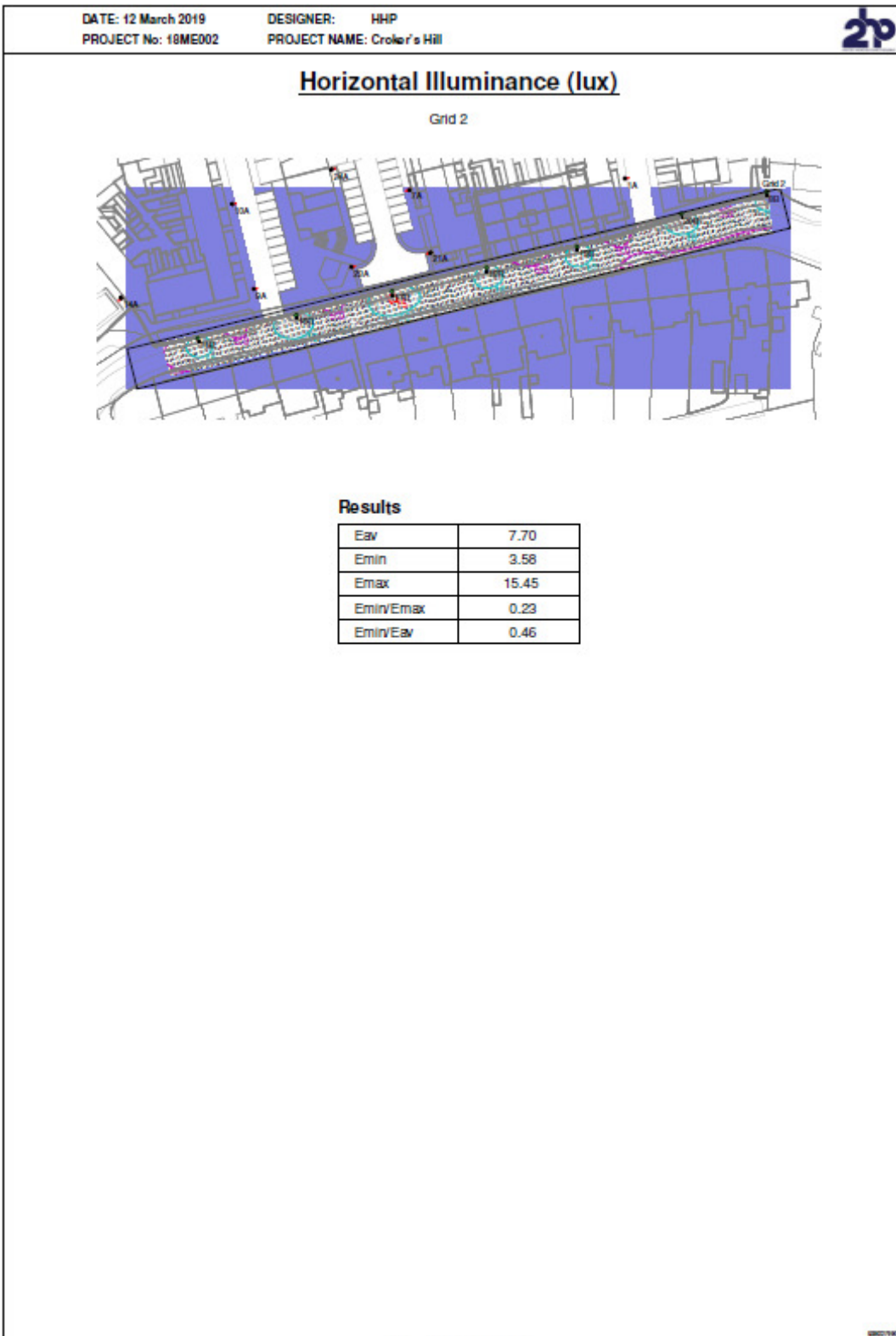
No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
20	B	649734.89	655137.90	8.00	280.00	5.00	0.00	1.00			
21	A	649666.89	655127.33	6.00	200.00	0.00	0.00	0.00			
22	A	649565.37	655099.58	6.00	40.00	0.00	0.00	0.00			
23	A	649645.44	655123.37	6.00	10.00	0.00	0.00	0.00			
24	A	649640.11	655149.96	6.00	10.00	0.00	0.00	0.00			
25	A	649540.70	655131.96	6.00	40.00	0.00	0.00	0.00			
26	A	649564.33	655134.73	6.00	230.00	0.00	0.00	0.00			
27	A	649555.71	655148.60	6.00	120.00	0.00	0.00	0.00			
28	A	649676.15	655185.36	6.00	100.00	0.00	0.00	0.00			
29	A	649554.53	655115.84	6.00	40.00	0.00	0.00	0.00			

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3. ISSUE REGISTRATION:

Project: Croker's Hill, Kennyswell Road,
Kilkenny.
(Provision of Housing Units for Kilkenny County
Council)

Project No: 18ME002

Rev	Date	Purpose of Issue/Nature of Revision	Prepared by	Issue Authorised by
P1	25.07.19	SITE LIGHTING REPORT	E.D.	A.W.

This document considers the particular instructions and requirements of our Client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

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