This drawing shall not be scaled. Work from the dimensions shown in the drawing or given in relevant specifications



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Bldg 10 and 11 Passage	Illuminance	Lux	7.22	12.0	3.6	0.50	0.30
Bldg 5 and 6 Passage	Illuminance	Lux	60.84	137.4	29.9	0.49	0.22
Bldg 6 and 9 Walkway	Illuminance	Lux	21.26	131.4	4.6	0.22	0.04
Bldg6and7 Ramp1	Illuminance	Lux	42.87	69.6	31.0	0.72	0.45
Bldg6and7 Ramp2	Illuminance	Lux	44.98	72.1	35.4	0.79	0.49
Bldg6and7 Stairs1	Illuminance	Lux	85.95	151.8	37.2	0.43	0.25
Bldg6and7 Stairs2	Illuminance	Lux	115.46	198.5	34.2	0.30	0.17
Block 6 by Square	Illuminance	Lux	15.82	31.0	3.0	0.19	0.10
Block 7 and 8 Passage	Illuminance	Lux	53.43	70.3	35.5	0.66	0.50
Brancaster Road	Illuminance	Lux	14.62	65.8	2.3	0.16	0.03
Central Square	Illuminance	Lux	20.42	45.4	2.3	0.11	0.05
Charles Street	Illuminance	Lux	13.96	49.5	1.6	0.11	0.03
Medlock Place	Illuminance	Lux	10.37	46.9	0.9	0.09	0.02
Medlock Place Stairs1	Illuminance	Lux	134.40	232.1	47.8	0.36	0.21
Medlock Walk	Illuminance	Lux	4.81	10.9	0.9	0.19	0.08
MSCP Path	Illuminance	Lux	8.77	21.7	1.6	0.18	0.07
MSCP Steps	Illuminance	Lux	19.86	23.7	16.5	0.83	0.70
Oxford Road	Illuminance	Lux	7.10	16.3	0.6	0.08	0.04
Ribbon 1	Illuminance	Lux	21.15	38.7	2.2	0.10	0.06
Ribbon 2 Pt1	Illuminance	Lux	17.37	28.3	7.3	0.42	0.26
Ribbon 2 Pt2	Illuminance	Lux	26.16	102.3	7.5	0.29	0.07
The Walks Pt 1	Illuminance	Lux	8.98	44.9	1.7	0.19	0.04
The Walks Pt 2	Illuminance	Lux	7.27	24.0	4.2	0.58	0.18
The Walks Pt 3	Illuminance	Lux	8.84	25.8	1.0	0.11	0.04
The Walks Pt 4	Illuminance	Lux	11.28	27.3	2.3	0.20	0.08

Requirements:

Block 5 and 6 Passage
Block 7 and 8 Passage
BS5489-1:2013 Code of practice for the design of road lighting
Subways (open)
Average Illuminance: 50 lux
Minimum Illuminance: 25 lux

Brancaster Road
BS5489-1:2013 Code of practice for the design of road lighting
Subsidiary Road - Typical speed of user v ≤ 30mph
Busy Traffic Flow, High Ambient Illuminance (Zone E4)
Category S2
Average Illuminance: 10 lux
Minimum Illuminance: 2 lux

Medlock Place
The Walks Pt 1
The Walks Pt 2
Bldg 10 and 11 Passage
Bldg 6 and 9 Walkway
Block 6 by Square
BS5489-1:2013 Code of practice for the design of road lighting
Subsidiary Road – Slow moving vehicles, cyclists & pedestrians
Busy Traffic Flow, High Ambient Illuminance (Zone E4)
Category S4
Average Illuminance: 5 lux
Minimum Illuminance: 1 lux

Medlock Walk
BS5489-1:2013 Code of practice for the design of road lighting
Subsidiary Road – Slow moving vehicles, cyclists & pedestrians
Normal Traffic Flow, High Ambient Illuminance (Zone E4)
Category S5
Average Illuminance: 3 lux
Minimum Illuminance: 0.6 lux

The Walks Pt 3
The Walks Pt 4
MSCP Path
BS5489-1:2013 Code of practice for the design of road lighting
Subsidiary Road - Typical speed of user v ≤ 30mph
Normal Traffic Flow, High Ambient Illuminance (Zone E4)
Category S3
Average Illuminance: 7.5 lux
Minimum Illuminance: 1.5 lux

Central Square (Event Usage)
Ribbon 1
Ribbon 2 Pt1
Ribbon 2 Pt2
BS5489-1:2013 Code of practice for the design of road lighting
Subsidiary Road - Typical speed of user v ≤ 30mph
Busy Traffic Flow, High Ambient Illuminance (Zone E4)
Category S2 modified to S1
Average Illuminance: 15 lux
Minimum Illuminance: 3 lux

Central Square (Non-Event Usage)
Ribbon 1
Ribbon 2 Pt1
Ribbon 2 Pt2
(To be achieved through dimming)
BS5489-1:2013 Code of practice for the design of road lighting
Subsidiary Road - Typical speed of user v ≤ 30mph
Normal Traffic Flow, High Ambient Illuminance (Zone E4)
Category S3
Average Illuminance: 7.5 lux
Minimum Illuminance: 1.5 lux

Bldg6and7 Ramp1
Bldg6and7 Ramp2
Bldg6and7 Stairs1
Bldg6and7 Stairs2
Medlock Place Stairs1
MSCP Steps
BS5489-1:2013 Code of practice for the design of road lighting
Stairways/ramps (open)
Average Illuminance: 80 lux
Minimum Illuminance: 150 lux

CDM Pre-Construction Information

The following information is provided in pursuance of Regulations 9 of the CDM Regulations 2015:

1. Man-safe system required for access.

NOTES:

1. The drawing does not necessarily show all the information needed to interpret the design intent or the construction details.
2. The drawing contains information from more than one source and must be read in conjunction with all relevant specifications.
3. Any apparent drafting errors and differences between other drawings and specifications shall be brought to our attention.
4. Based on Planit Drawing PL1502-MP-VW-001-05-WORKING FILE_Masterplan
5. Type G luminaries to be installed on temporary columns prior to completion of Block 7&8 landscape. Type G luminaires are not intended to be replaced and must not suffer damage during installation or through the construction process. During Block 7&8 landscape construction, permanent columns to be installed in final positions and Type G luminaires relocated to permanent columns. Type G luminaires to be relocated without damage.
6. 2 qty Type X2 uplighters to be prepared for installation but not installed during Phase 1A. All containment for power and control etc to be installed and connection made to all Type X2 uplighters further along Brancaster Way. The 2 qty Type X2 luminaries to be installed in accordance with the construction phasing plan.

Index	Description	Drawn & Chk by	Rev'd by	Date
P05	Drawing background updated to Planit-ie drawing PL1502-MP-VW-001-05-WORKING FILE_Masterplan	DLB	SD	170914
P04	Lighting results summary added	DLB	SD	130717
P03	Lighting results added	DLB	SD	110717
P02	Control Channels Added	DLB	SD	260517

Revisions

Architect
Planit-ie
Fielden Clegg Bradley Studios
5Plus Architects

Client
Oxford Property Trading Ltd

PRELIMINARY ISSUE

HOARE LEA LIGHTING
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OXFORD
PLYMOUTH
POOLE

Project Title
CIRCLE SQUARE
MANCHESTER

Drawing Title
Landscape Masterplan Lighting Layout Plan
Functional & Feature Lighting
All Masterplan Lighting

Project No	Drawn & Checked by	Reviewed by
1602419	DLB	SD
Date	Scale	Issuing Office
170914	1:500@A1	MANCHESTER

DRAWING NUMBER

Project Code	Orig.	Zone	Level	Type	Role	Class.	Number	Rev.
1602419	HL	XX	LS	DR	Y	630	0006	P5

CAD ORIGINAL - NOT TO BE MODIFIED BY HAND

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