REF A:

KIRIUM PRO 1, DIRECT POST, 16x300mA
3K LED ARRAY, A2 OPTIC, RAL9005 BLACK
FINISH, 35 LUX PHOTOCELL

REF B:

KIRIUM 200, 300mA 3K LED ARRAY,
ASYMMETRIC WIDE OPTIC, RAL9005
BLACK FINISH

REF C:

KIRIUM WALL, 16x300mA 3K LED ARRAY,
CLEAR WIDE, RAL9005 BLACK FINISH

LUMINAIRE SCHEDULE

SYMBOL	REF	CONFIGURATION	DESCRIPTION	LUMENS	S/P RATIO	CUT-OFF CLASS
	A	SINGLE	KIRIUM PRO1, DIRECT POST, 3K LED ARRAY, A2 OPTIC, 6m TLS	2065	1.20	FULL CUT-OFF
	B	SINGLE	KIRIUM 200, 3K LED ARRAY, ASYMMETRIC WIDE OPTIC, 1m TLS	854	1.20	NON CUT-OFF
	C	SINGLE	KIRIUM WALL, 3K LED ARRAY, CLEAR WIDE, 3m TLS	1677	1.20	NON CUT-OFF

Calculation Summary

Grid Ref	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
Apartment Parking 15	Illuminance	Lux	3.94	23.4	0.1	0.03	0.00	1.5	1.5
Apartment Parking 29	Illuminance	Lux	5.90	22.7	0.3	0.05	0.01	1.5	1.5
Apartment Parking 41	Illuminance	Lux	5.83	25.3	0.1	0.02	0.00	1.5	1.5
Area 01	Illuminance	Lux	7.82	59.2	0.1	0.01	0.00	1.5	1.5
Area 02	Illuminance	Lux	5.82	53.2	0.1	0.02	0.00	1.5	1.5
Area 03	Illuminance	Lux	5.44	49.8	0.0	0.00	0.00	1.5	1.5
Area 04	Illuminance	Lux	8.19	53.8	0.3	0.04	0.01	1.5	1.5
Area 05	Illuminance	Lux	5.70	49.0	0.2	0.04	0.00	1.5	1.5
Area 06	Illuminance	Lux	6.29	59.3	0.1	0.02	0.00	1.5	1.5
Area 07	Illuminance	Lux	6.27	54.9	0.1	0.02	0.00	1.5	1.5
Area 8	Illuminance	Lux	3.65	55.0	0.0	0.00	0.00	1.5	1.5
Road 01	Illuminance	Lux	5.45	14.5	0.9	0.17	0.06	1.5	1.5
Road 02	Illuminance	Lux	4.41	14.6	0.9	0.20	0.06	1.5	1.5
Road 03	Illuminance	Lux	4.91	14.6	0.9	0.18	0.06	1.5	1.5
Road 04	Illuminance	Lux	4.78	14.4	0.8	0.17	0.06	1.5	1.5

CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015
DESIGNERS RISK INFORMATION

IN ACCORDANCE WITH THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS THE HAZARDS AND RISKS ASSOCIATED WITH CONSTRUCTING MAINTAINING AND CLEANING THE STRUCTURE HAVE BEEN ASSESSED.

THE DESIGN SOLUTION HAS MITIGATED THESE WHERE POSSIBLE, HOWEVER, RESIDUAL/ UNUSUAL HAZARDS OR RISKS IDENTIFIED HAVE BEEN RECORDED IN THE DESIGNERS RISK INFORMATION SPECIFIC TO THE PROJECT.

ASSUMPTIONS MADE ABOUT THE METHOD OF CONSTRUCTION, MAINTENANCE AND DEMOLITION HAVE BEEN STATED WHERE THESE FORM AN INTEGRAL PART OF MANAGING THE RISKS AND HAZARDS, HOWEVER, THIS DOES NOT RESTRICT THE CONTRACTOR TO THESE METHODS ALONE.

IT IS UNDERSTOOD THAT A COMPETENT CONTRACTOR WILL CARRY OUT CONSTRUCTION, MAINTENANCE AND DEMOLITION WORK IN ACCORDANCE WITH RECOGNISED GOOD INDUSTRY PRACTICE.

THE ABOVE NOTES REFER SPECIFICALLY TO THE INFORMATION SHOWN ON THIS DRAWING AS DESIGNERS.

PLEASE REFER TO THE DESIGNERS RISK INFORMATION FOR FURTHER CLARIFICATION AND THOSE RELEVANT TO OTHER DISCIPLINES.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS', ARCHITECTS' AND SPECIALISTS' DRAWINGS AND THE SPECIFICATION.

DESIGN INFORMATION FROM OTHER DISCIPLINES SHOWN ON THIS DRAWING IS FOR COORDINATION PURPOSES ONLY.

DO NOT SCALE FROM THIS DRAWING MANUALLY OR ELECTRONICALLY. WRITTEN PERMISSION MUST BE OBTAINED FROM MLM PRIOR TO SCALING ELECTRONICALLY OR USING THIS ELECTRONIC FILE.

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

BS EN REQUIREMENTS FOR PEDESTRIANS & PEDAL CYCLISTS
TABLE 3 - P LIGHTING CLASSES

CLASS P4 (1.2 SP RATIO):
4.0-6.0 LX EAV
0.8 LUX EMIN

BS EN 13201-2:2015

6.1 Requirements for pedestrians & pedal cyclists
Table 3 - P Lighting Classes

Class P4
5.0 - 7.5lx Eav
1.0lux Emin

REV	DATE	REVISION	MADE	CHK	APP
P05	13.04.2021	AMENDED TO SUIT UPDATED LAYOUT	LAA	ICG	BS
P04	10.06.2020	STAGE 2 ISSUE	LAA	ICG	BS
P03	13.03.2020	STAGE 2 ISSUE	LAA	ICG	BS
P02	26.02.2020	STAGE 2 ISSUE	ICG	ICG	BS
P01	05.09.2019	STAGE 2 ISSUE	PG	AC	BS

PURPOSE OF ISSUE: STAGE 2

STATUS: S2 — SUITABLE FOR: INFORMATION

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CLIENT
CASTLEFIELD INTERNATIONAL LTD

PROJECT
LAND AT TEVERSHAM ROAD (FULBOURN)

DRAWING TITLE
NEW SITE WIDE EXTERNAL LIGHTING LUX LEVELS

SCALE	DRAWN/DESIGN	MLM REF	REVISION
1:500 @A0	PG/AC	7151809	P05

CAD/BIM REF

PROJECT	ORIGINATOR	VOLUME/ SYSTEM	LEVELS & LOCATIONS	TYPE	ROLE	NUMBER
7151809	MLM	ZZ	GF	DR	E	2100