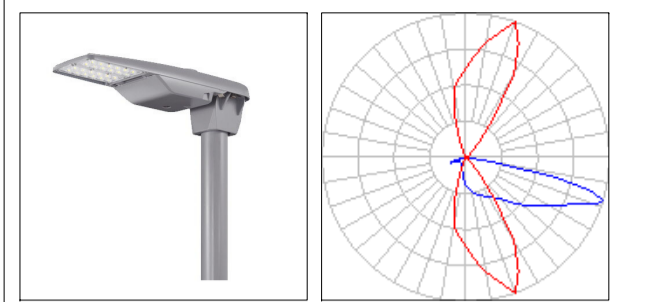


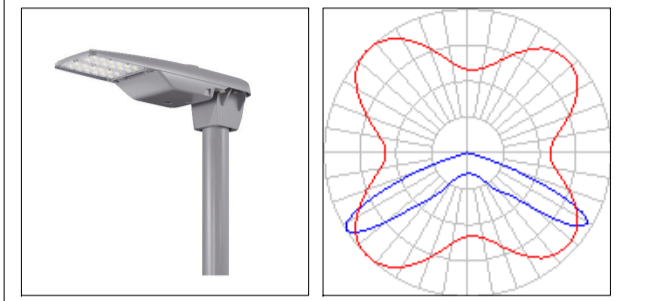
Symbol	Ref	Qty	Config	Description	Mtg Height	Lumens	Cutoff Class	Total MF	Unit Watts
A	2	Single	Kirium One 12 LED 30K Medium Road Type 2_300mA UMSUG 42 0010 0000 100		1591	0.840	10		
B	4	Single	Kirium One 12 LED 3K Symmetrical Area_400mA UMSUG 42 0014 0000 100		2436	0.840	14		
C	7	Single	Kirium Wall 8 LED 3k-300mA Clear-Medium Optic		886	Non-Cutoff	6		
D	10	Single	Kirium Wall 8 LED 3k-300mA-Frosted-Wide Optic		728	Full Cutoff	6		

Luminous Flux Factor (LFF): BS5489-1:2020 [Annex D2] = 1.0 Based on CLO LED Data  
Survival Factor (SF): BS5489-1:2020 [Annex D2] = 1.0  
Luminaire Maintenance Factor (LMF): BS5489-1:2020 [Table C1] = 72 Months:  
Environmental Zone:  
E3/E4 =<6M TLS = 0.84  
[LFF] \* [SF] \* [LMF] = Total Maintenance Factor Value

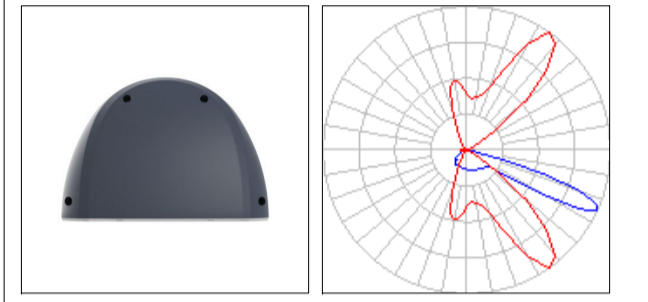
Grid Ref	Measurement	Units	Eav	Emax	Emin	Uo	Ud	X Pitch	Y Pitch
Access 1	Illuminance	Lux	6.20	15.3	1.6	0.26	0.10	1.5	1.5
Access 2	Illuminance	Lux	5.54	13.3	1.4	0.25	0.11	1.5	1.5
Access 3	Illuminance	Lux	6.20	14.6	1.8	0.29	0.12	1	1
Courtyard	Illuminance	Lux	5.58	23.2	1.4	0.25	0.06	1	1
Entrance 1	Illuminance	Lux	10.10	22.0	2.2	0.22	0.10	1	1
Entrance 2	Illuminance	Lux	10.32	22.9	3.6	0.35	0.16	1	1
Entrance 3	Illuminance	Lux	13.99	22.4	8.1	0.58	0.36	1	1
Entrance 4	Illuminance	Lux	10.24	21.3	3.3	0.32	0.15	1	1
Vertical 1	Illuminance	Lux	1.30	221.8	0.0	0.00	0.00	1	1
Vertical 2	Illuminance	Lux	0.61	14.5	0.0	0.00	0.00	1	1
Vertical 3	Illuminance	Lux	0.63	4.0	0.0	0.00	0.00	1	1
Vertical 4	Illuminance	Lux	0.65	15.5	0.0	0.00	0.00	1	1
Vertical 5	Illuminance	Lux	1.11	209.3	0.0	0.00	0.00	1	1
Vertical 6	Illuminance	Lux	1.35	50.1	0.0	0.00	0.00	1	1



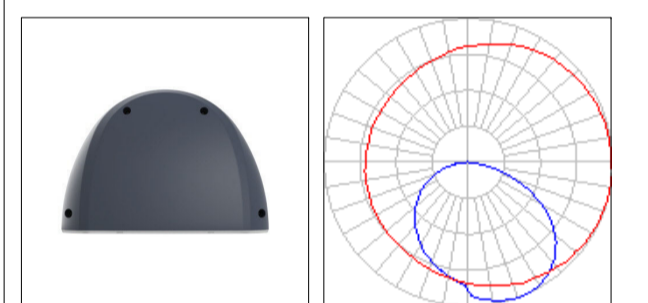
REF A:  
Kirium One, Direct Post, 12 x 300mA 3K CLO LED Array,  
Medium Road Type 2 Optic, RAL7035 Grey Finish, 35lux Photocell.  
6m TLS Tubular Steel, Flange Plated, Raise & Lowering Column,  
Galvanised Finish



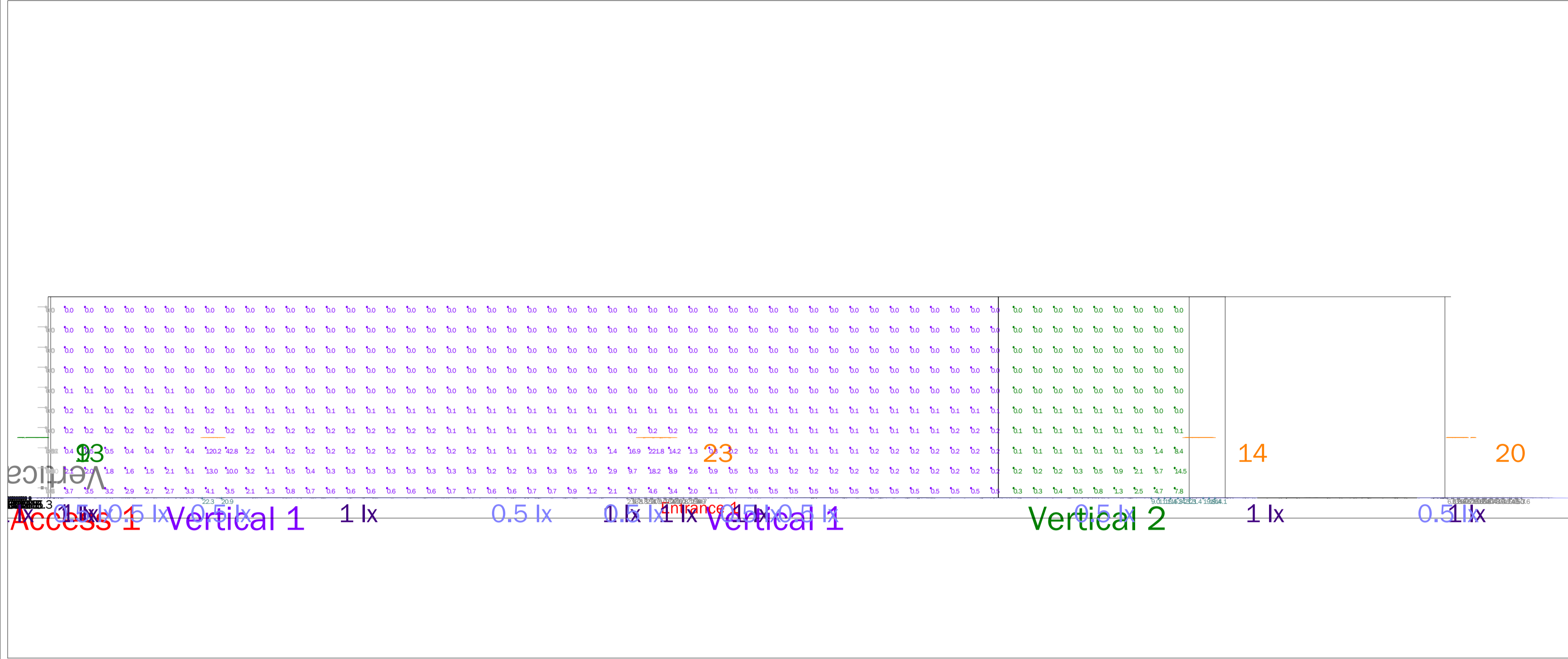
REF B:  
Kirium One, Direct Post, 12 x 400mA 3K CLO LED Array,  
Symmetric Area Optic, RAL7035 Grey Finish, 35lux Photocell.  
6m TLS Tubular Steel, Flange Plated, Raise & Lowering Column,  
Galvanised Finish



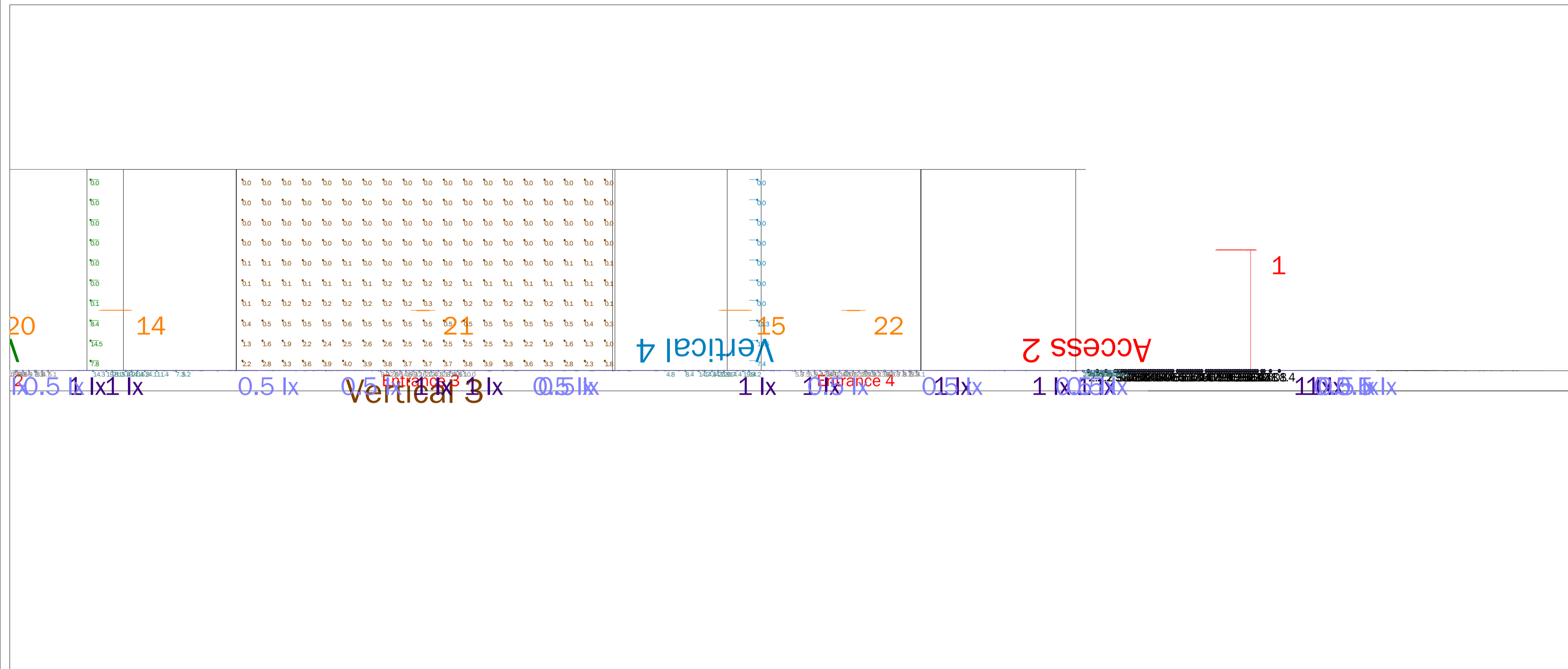
REF C:  
Kirium Wall 8 LED 3k 300mA Clear-Medium Optic  
RAL7035 Grey Finish, No Photocell  
(wall mounted at 3m)



REF D:  
Kirium Wall 8 LED 3k 300mA Clear-Frosted Optic  
RAL7035 Grey Finish, No Photocell  
(wall mounted at 3m)



Vertical Grids 1 & 2  
Scale= 1: 150



Vertical Grid 3  
Scale= 1: 150

Courtyard:  
BS EN 12464-2:2014  
5.1 General requirements for areas  
5.1.1 Walkways exclusively for pedestrians  
5.0lx Eav  
0.25Uo

Access Area 2:  
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

D	21/11/24	Based On Revised CAD Drawing
C	28/08/24	Courtyard Revised With Kirium One, Kirium Wall Added To Entrances
B	16/08/24	Courtyard Revised With Nova Bollards
A	10/07/24	Based on client CAD DWG
Issue:	Date:	Description:

CDM Statement:  
Please note that this proposed lighting scheme is a lighting solution that has been designed with information provided by the client. The solution does not include site, installation engineering or any risk assessment considerations for CDM.



Project:  
Broadwater Road

Client:	Hill Partnership	Contact:	Harry Howard
Project Management:	Kelly Mallins	Lighting Design:	Michael Walker
All measurements in Metres & lux. Do not scale from this drawing. All product images are indicative.			
Filename:	24-265-1D - 1.1 Broadwater Road AGI	Scale:	1:250 @ A1
Date:	21/11/2024	Page:	2 of 3

24-265-1D