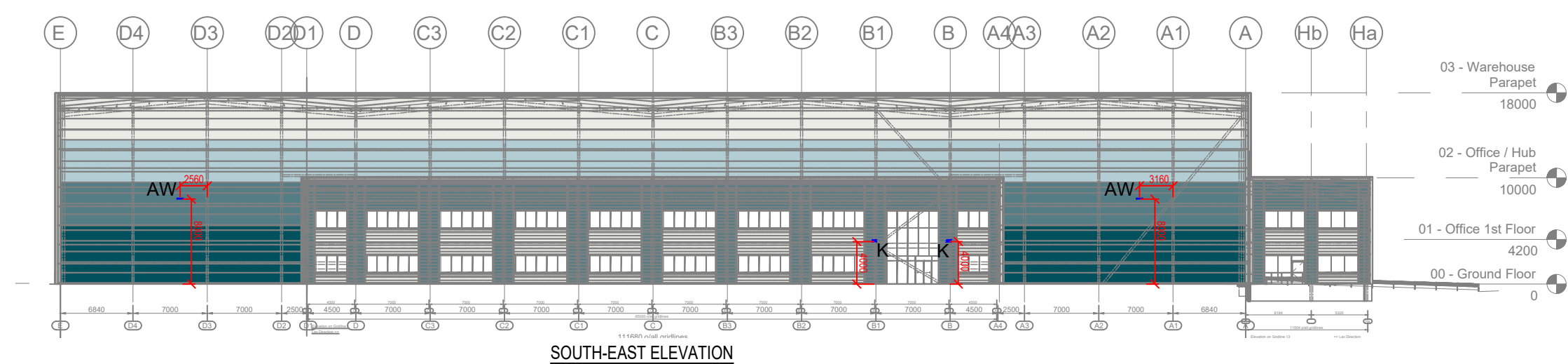
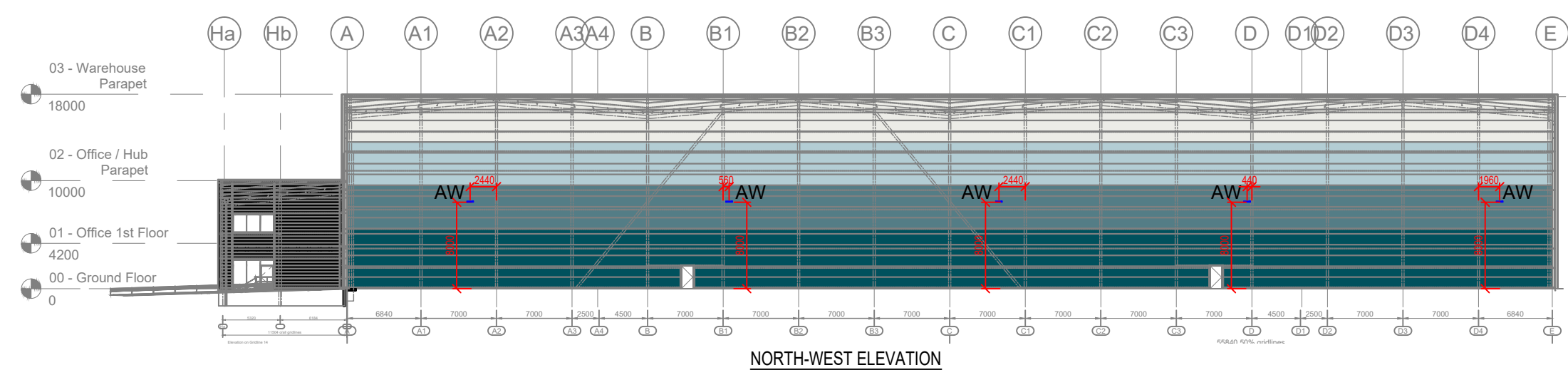
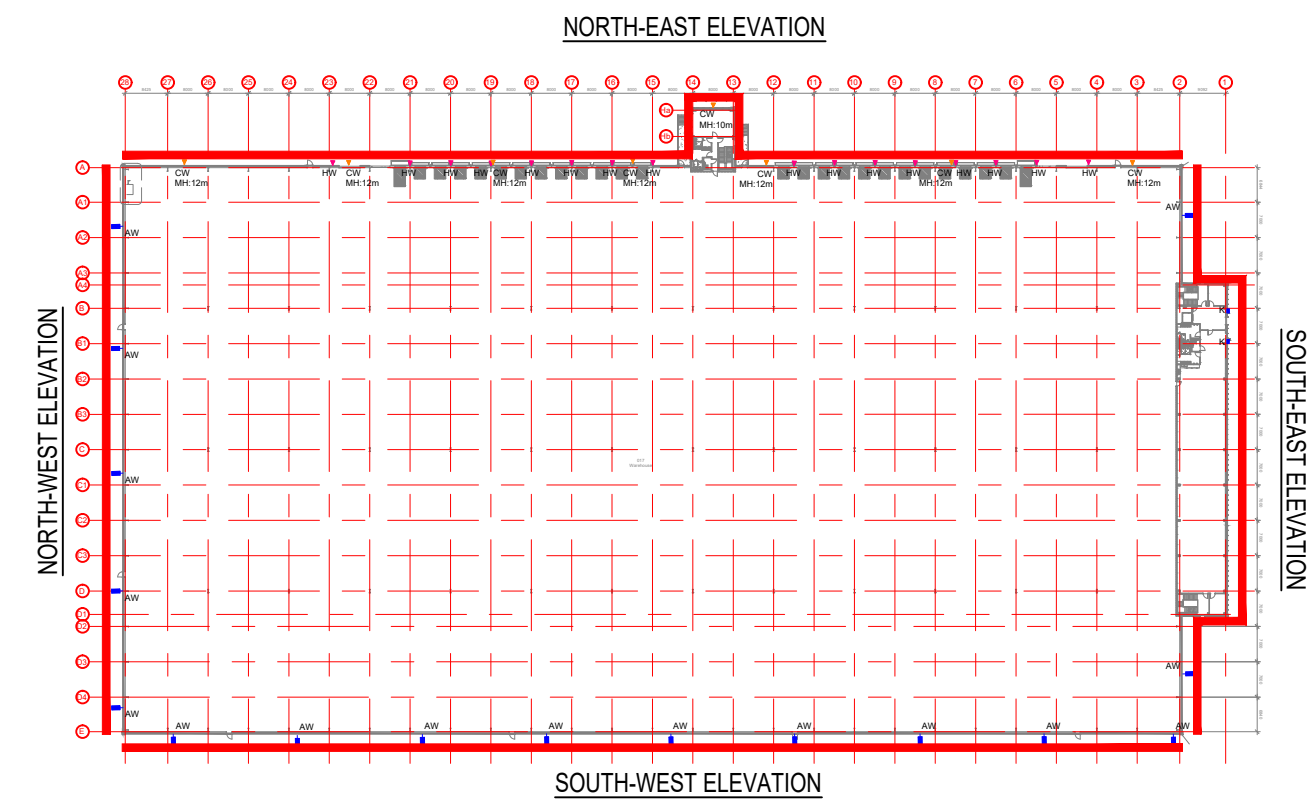
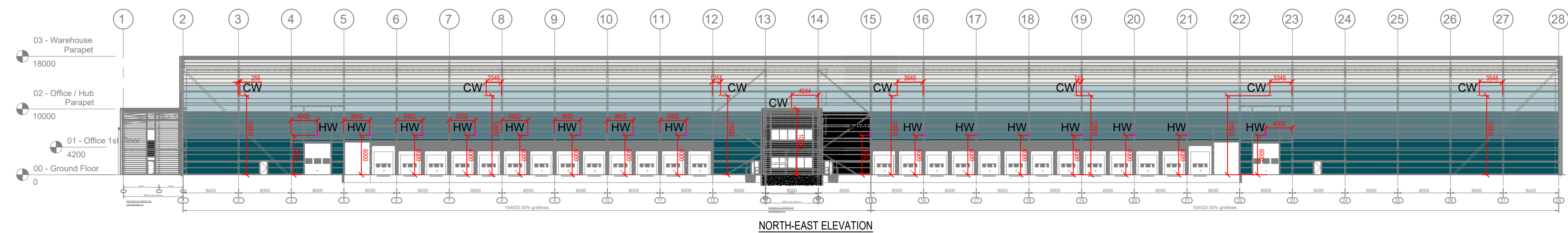
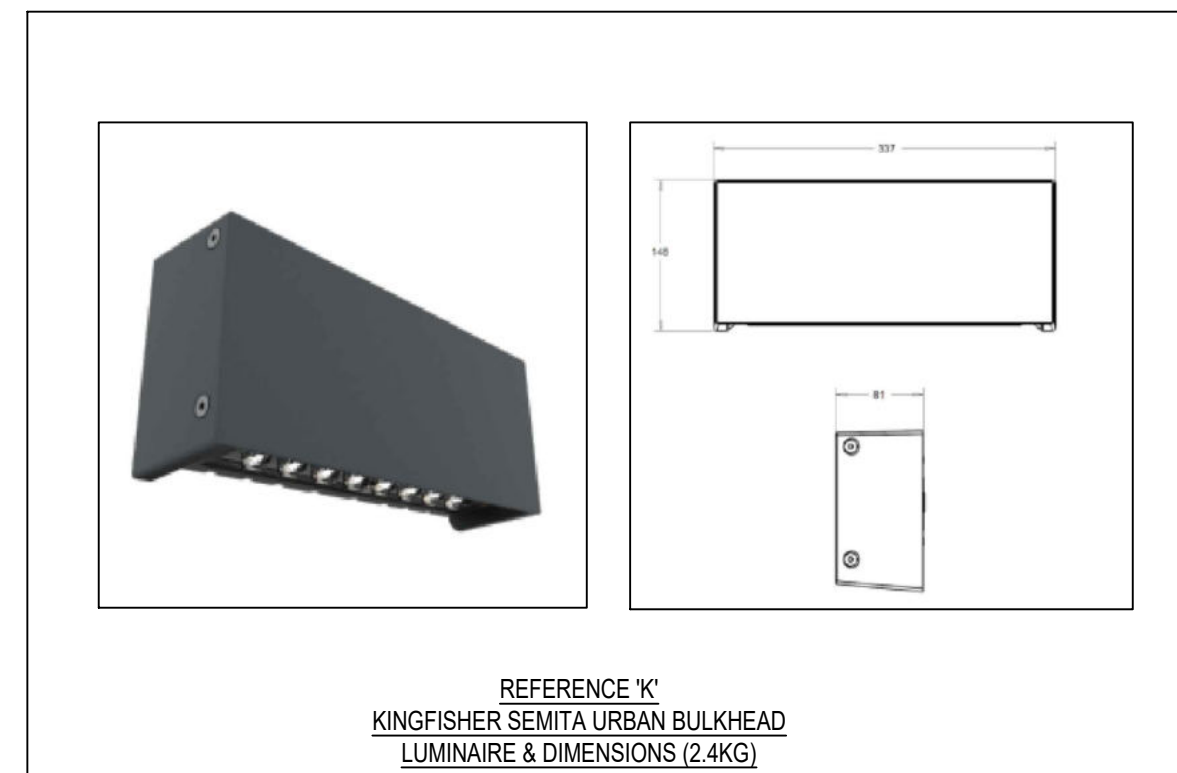
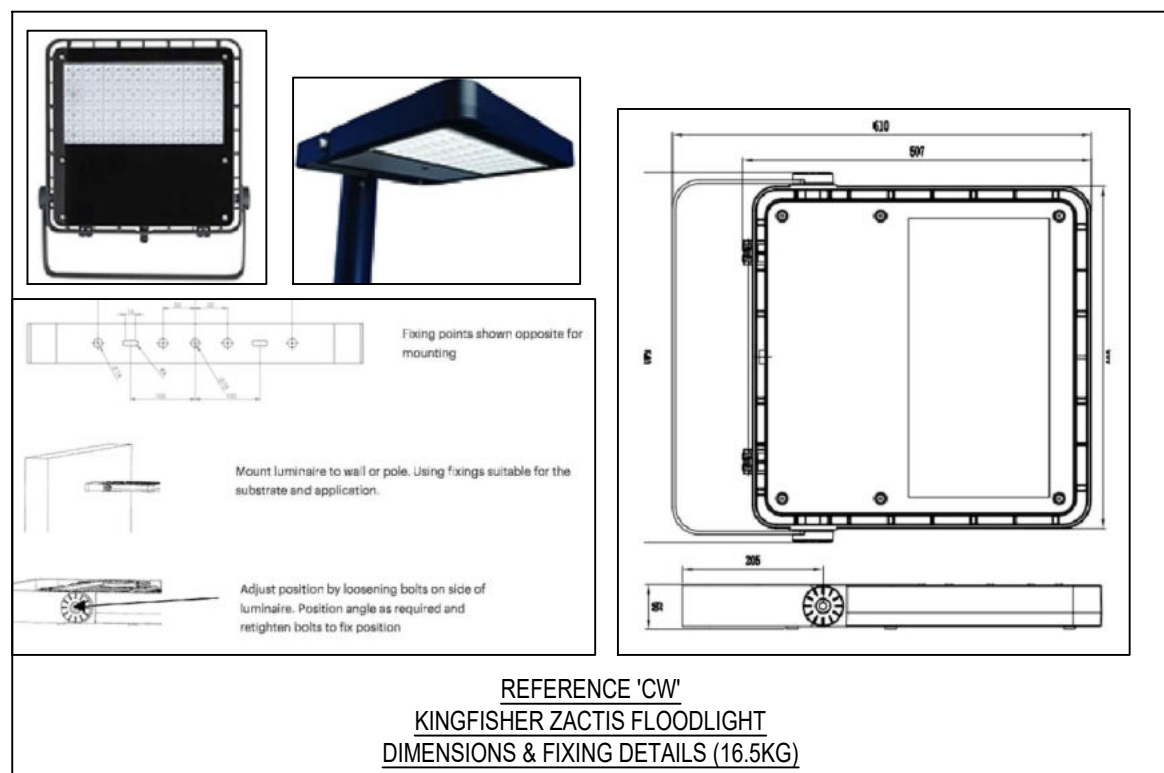
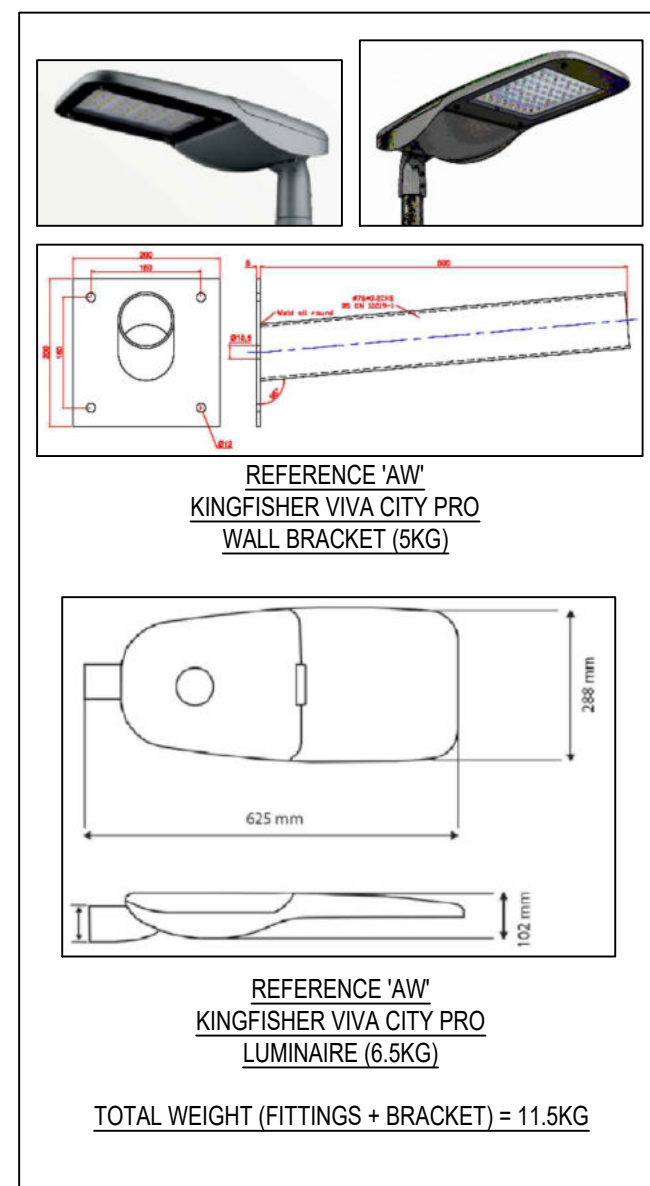


Luminaire Schedule						
Project: Unit 2A - Building Mounted Luminaires						
Symbol	Qty	Label	Arrangement	Description	Weights	Lumens
	16	AW	SINGLE	60w LED 4000k Viva City Pro 610mA with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens
	8	CW	SINGLE	320w LED 4000k Zactis 808mA Floodlight with FW70 Optic Wall mounted 10m & 12m	16.5kg	46,768 Lumens
	16	HW	SINGLE	50w LED 4000k Guardian Pro Asymmetrical floodlight Wall mounted 6m	4.7kg	6,800 Lumens
	2	K	SINGLE	24w LED 4000k Semita Urban bulkhead with flood optic Wall mounted 4m	2.4kg	3,000 Lumens
					LMW	
					146 LMW	
					136 LMW	
					125 LMW	



C2	AMENDED TO SUIT LATEST CLADDING DRAWINGS	BF	06.07.22
C1	ISSUED FOR CONSTRUCTION	BF	17.06.22
Rev.	Description	By	Date

CONSTRUCTION

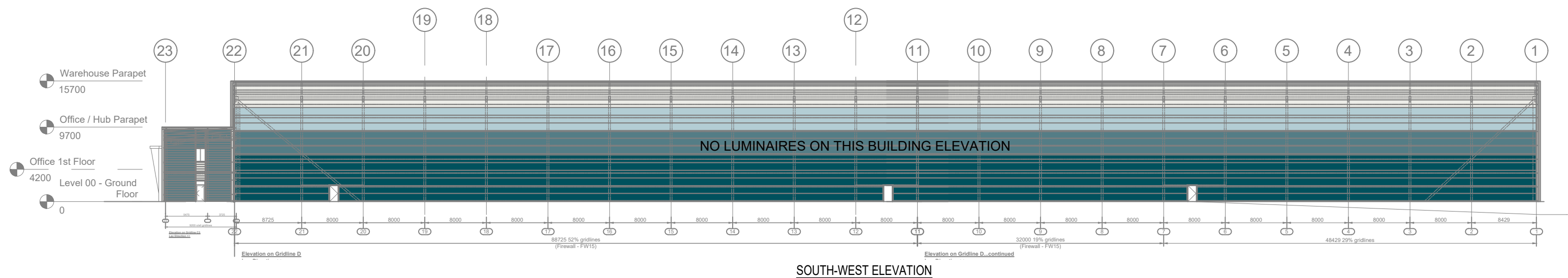
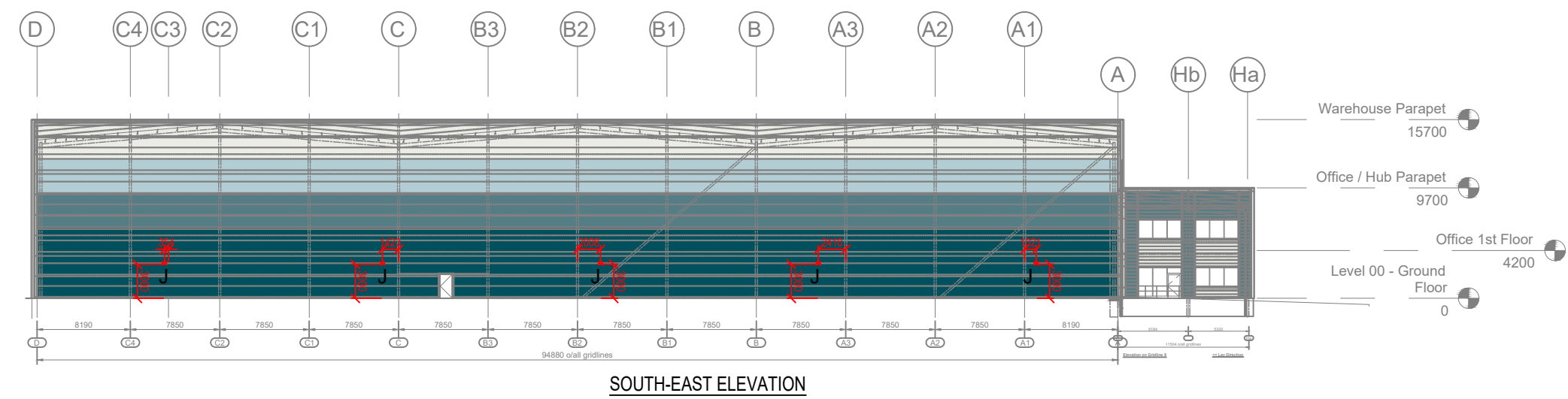
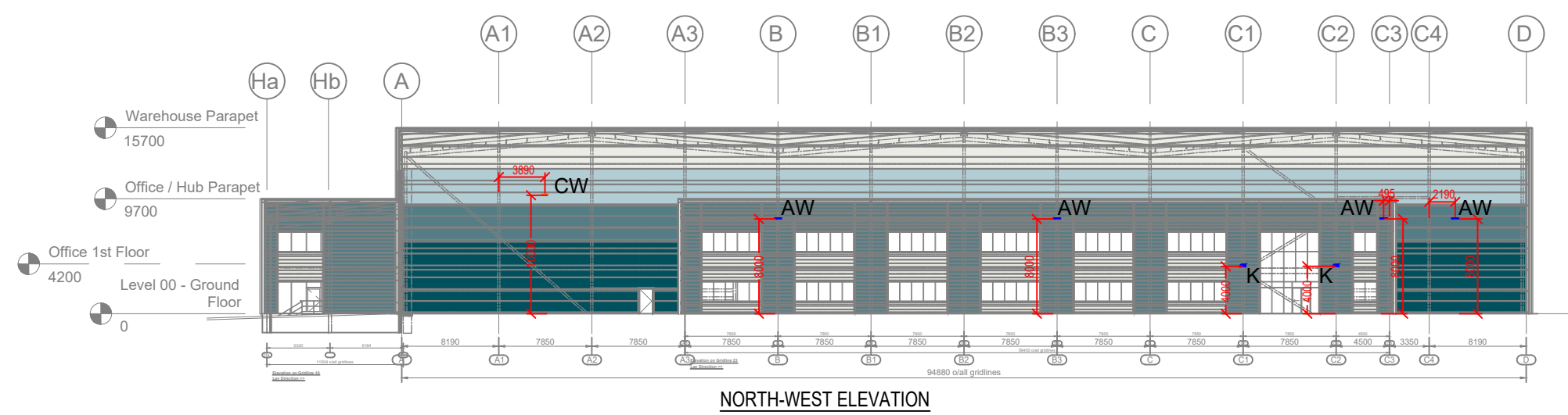
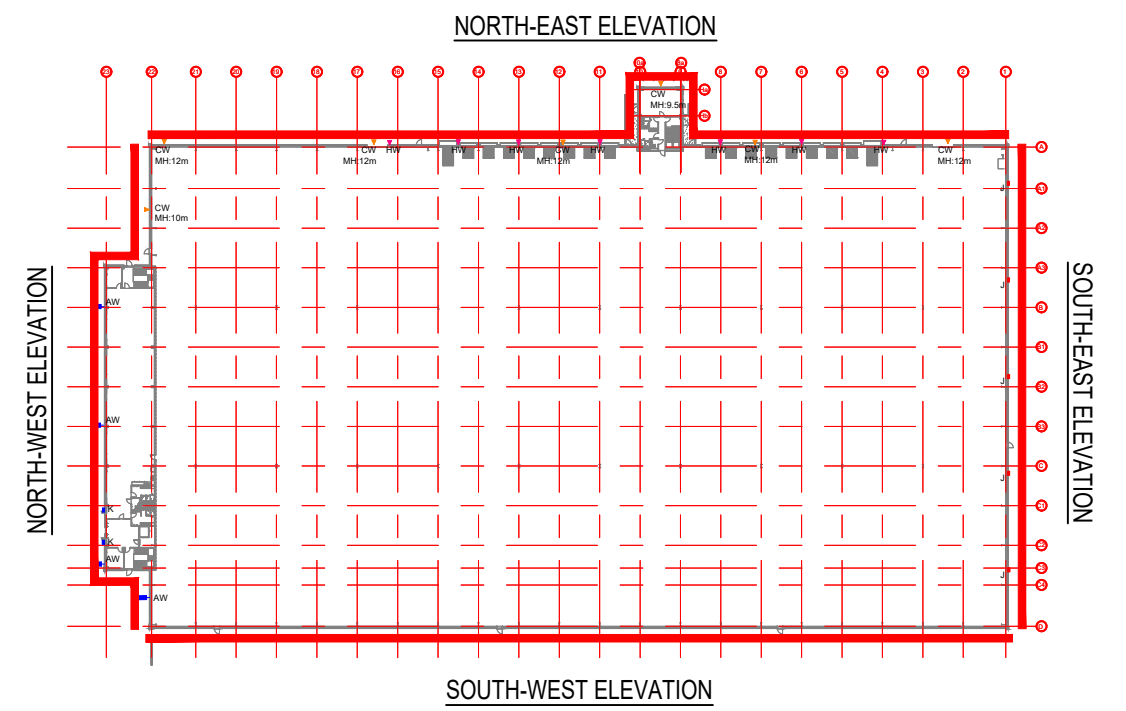
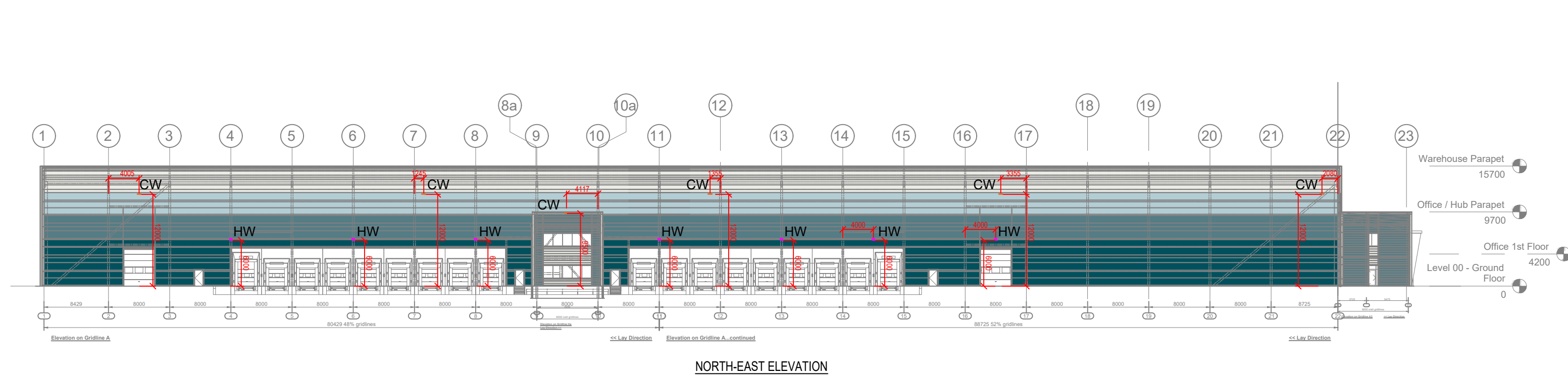




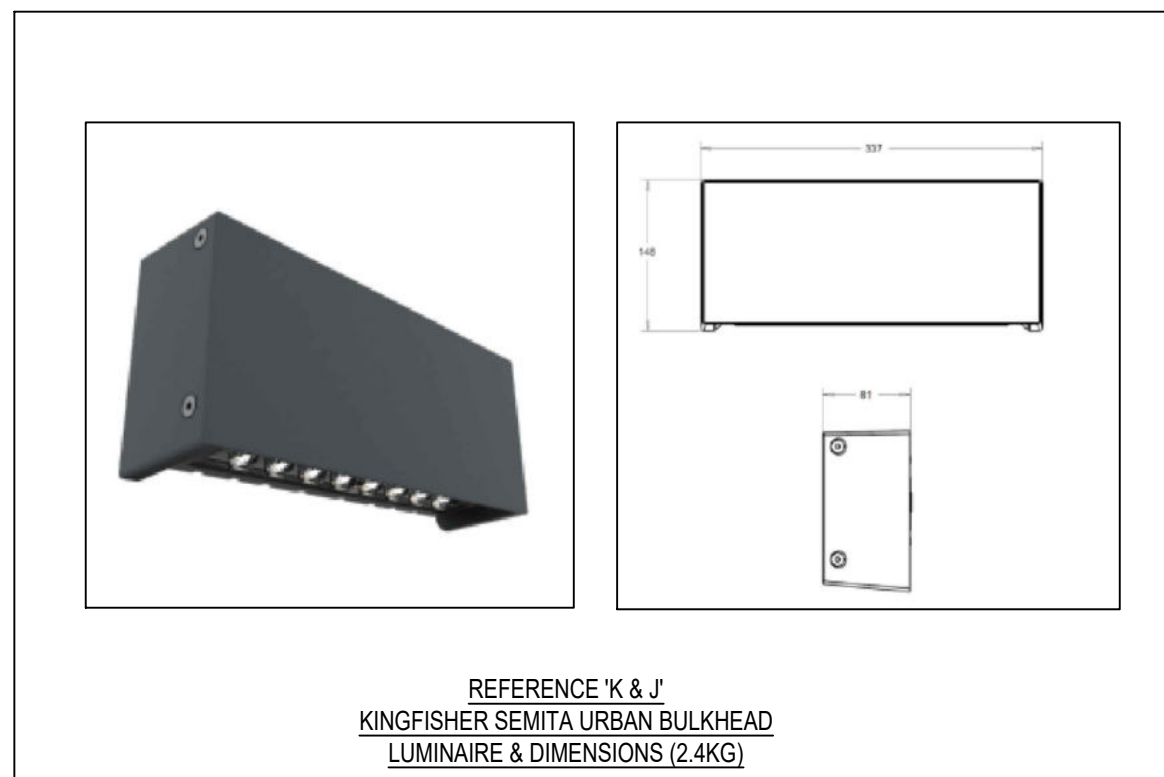
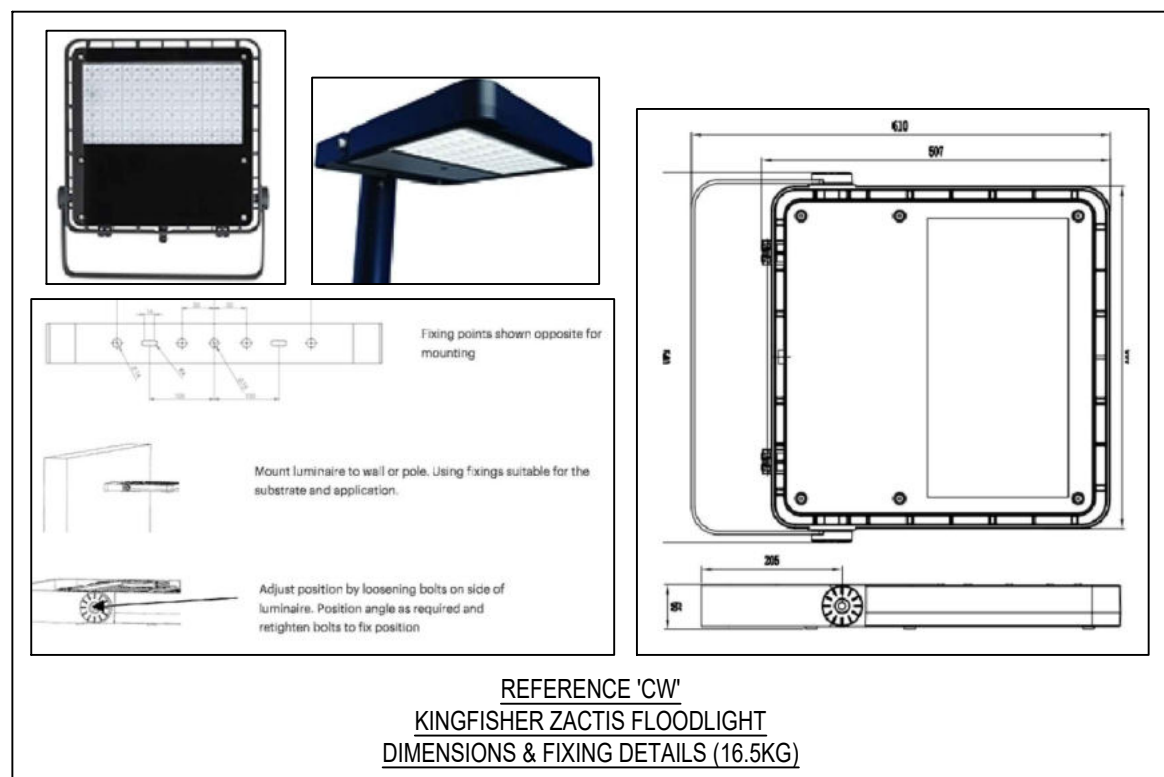
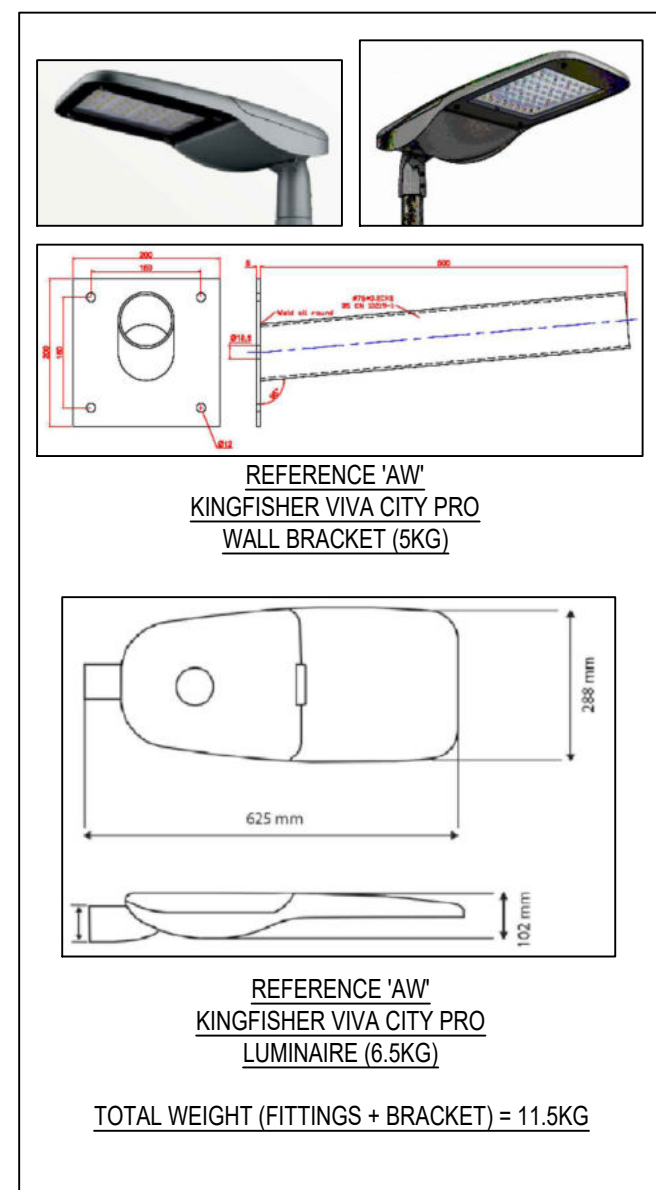
Project	PLOT 2 HOYLAND COMMON BARNSELEY		
Title	PLOT 2A EXTERNAL LIGHTING ELEVATIONS		
Scale	1:500	Drig. Size	A1
Date	03.03.22		
Drawn	BF	Checked	MK
Approved	MK		
Drw. No.	P21041-EBM-EX-XX-DR-E-0903		Rev.
			C2

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Luminaire Schedule							
Project: Unit 2B - Building Mounted Luminaires							
Symbol	Qty	Label	Arrangement	Description	Weights	Lumens	LMW
	4	AW	SINGLE	60w LED 4000k Viva City Pro 610mA with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
	7	CW	SINGLE	320w LED 4000k Zactis 808mA Floodlight with FW70 Optic Wall mounted 9.5m & 12m	16.5kg	46,768 Lumens	146 LMW
	7	HW	SINGLE	30w LED 4000k Guardian Pro Asymmetrical floodlight Wall mounted 6m	4.7kg	6,800 Lumens	136 LMW
	5	J	SINGLE	11w LED 4000k Semita Urban bulkhead with cycle optic Wall mounted 3m	2.4kg	1,570 Lumens	143 LMW
	2	K	SINGLE	24w LED 4000k Semita Urban bulkhead with flood optic Wall mounted 4m	2.4kg	3,000 Lumens	125 LMW

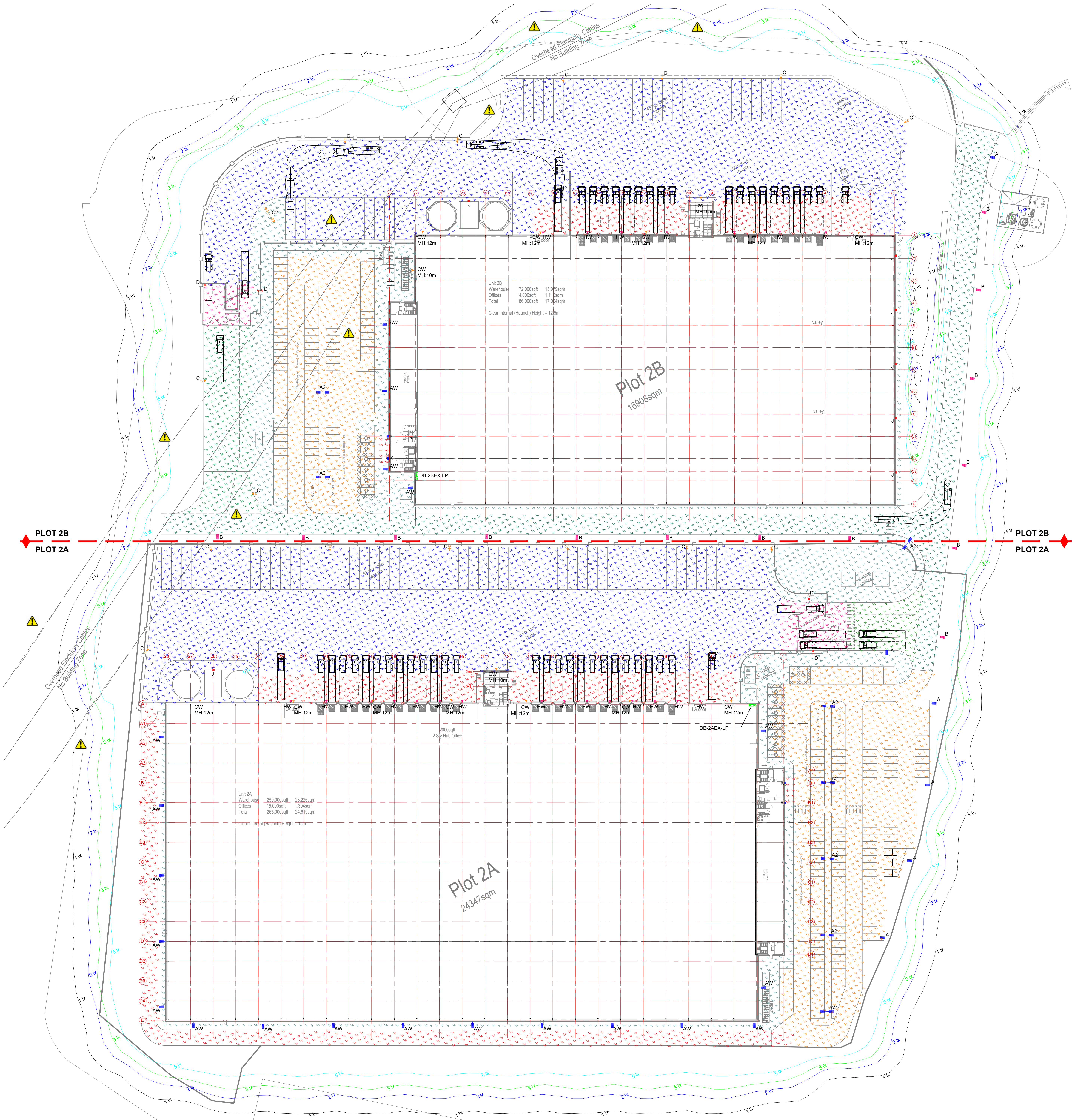


C2	AMENDED TO SUIT LATEST CLADDING DRAWINGS	BF	06.07.22
C1	ISSUED FOR CONSTRUCTION	BF	17.06.22
Rev.	Description	By	Date

CONSTRUCTION



Project						PLOT 2 HOYLAND COMMON BARNSELEY	
Title						PLOT 2B EXTERNAL LIGHTING ELEVATIONS	
Scale	1:500	Dwg. Size	A1	Date	03.03.22		
Drawn	BF	Checked	MK	Approved	MK		
Dwg. No.	P21041-EBM-EX-XX-DR-E-0904				Rev.	C2	
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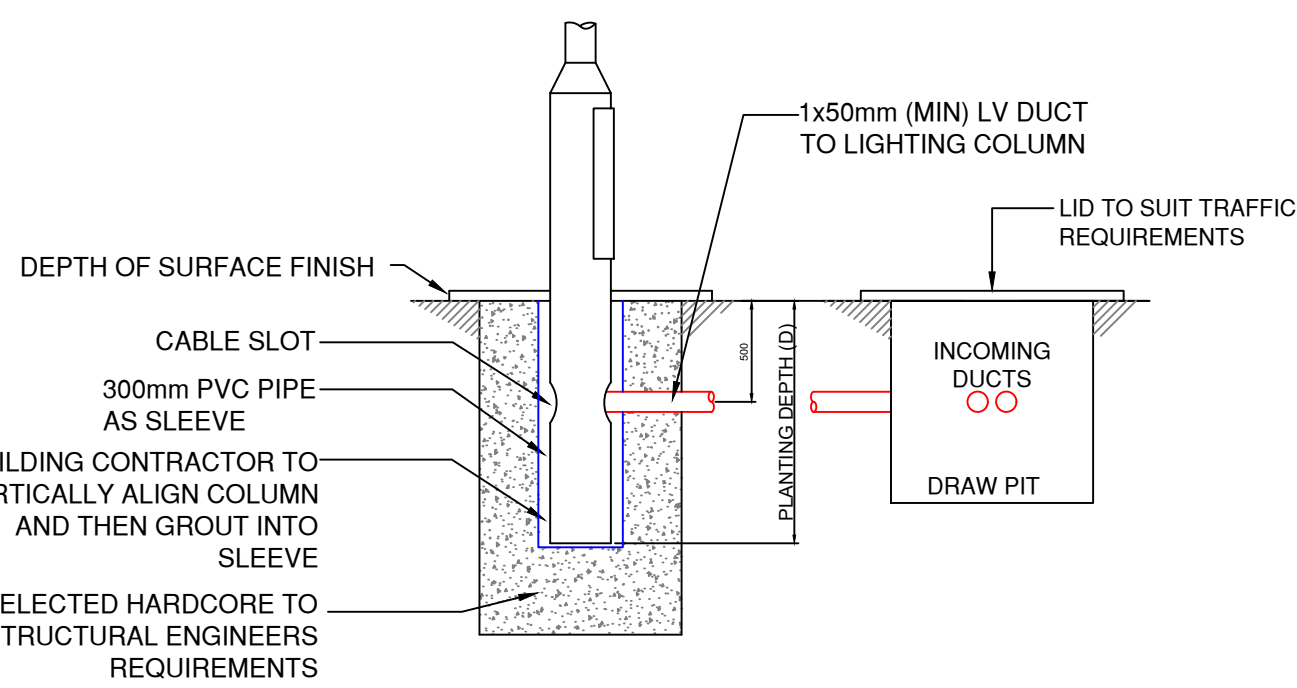
Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	Weights	Lumens
5	A	SINGLE	60w LED 4000k Viva City Pro 610mm with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
16	A2	BACK-BACK	2x 60w LED 4000k Viva City Pro 610mm with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
7	C	SINGLE	300w LED 4000k Zactis 608mm Floodlight with FW70 Optic Column mounted 10m	16.5kg	46,768 Lumens	146 LMW
8	CW	SINGLE	300w LED 4000k Zactis 608mm Floodlight with FW70 Optic Wall mounted 10m & 12m	16.5kg	46,768 Lumens	146 LMW
2	D	SINGLE	250w LED 4000k Zactis 608mm Floodlight with FW70 Optic Column mounted 8m	16.5kg	35,836 Lumens	143 LMW
16	HW	SINGLE	50w LED 4000k Guardian Pro Asymmetrical Floodlight Wall mounted 6m	4.7kg	6,800 Lumens	136 LMW
1	J	SINGLE	11w LED 4000k Semta Urban bulkhead with cycle optic Wall mounted 3m	2.4kg	1,570 Lumens	143 LMW
2	K	SINGLE	24w LED 4000k Semta Urban bulkhead with flood optic Wall mounted 4m	2.4kg	3,090 Lumens	125 LMW

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	Weights	Lumens
2	A2	BACK-BACK	2x 60w LED 4000k Viva City Pro 610mm with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
4	AW	SINGLE	60w LED 4000k Viva City Pro 610mm with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
8	C	SINGLE	300w LED 4000k Zactis 608mm Floodlight with FW70 Optic Column mounted 10m	16.5kg	46,768 Lumens	146 LMW
7	CW	SINGLE	300w LED 4000k Zactis 608mm Floodlight with FW70 Optic Wall mounted 10m & 12m	16.5kg	46,768 Lumens	146 LMW
1	C2	BACK-BACK	2x 300w LED 4000k Zactis 608mm Floodlight with FW70 Optic Column mounted 10m	16.5kg	46,768 Lumens	146 LMW
2	D	SINGLE	250w LED 4000k Zactis 608mm Floodlight with FW70 Optic Column mounted 8m	16.5kg	35,836 Lumens	143 LMW
7	HW	SINGLE	50w LED 4000k Guardian Pro Asymmetrical Floodlight Wall mounted 6m	4.7kg	6,800 Lumens	136 LMW
6	J	SINGLE	11w LED 4000k Semta Urban bulkhead with cycle optic Wall mounted 3m	2.4kg	1,570 Lumens	143 LMW
2	K	SINGLE	24w LED 4000k Semta Urban bulkhead with flood optic Wall mounted 4m	2.4kg	3,090 Lumens	125 LMW

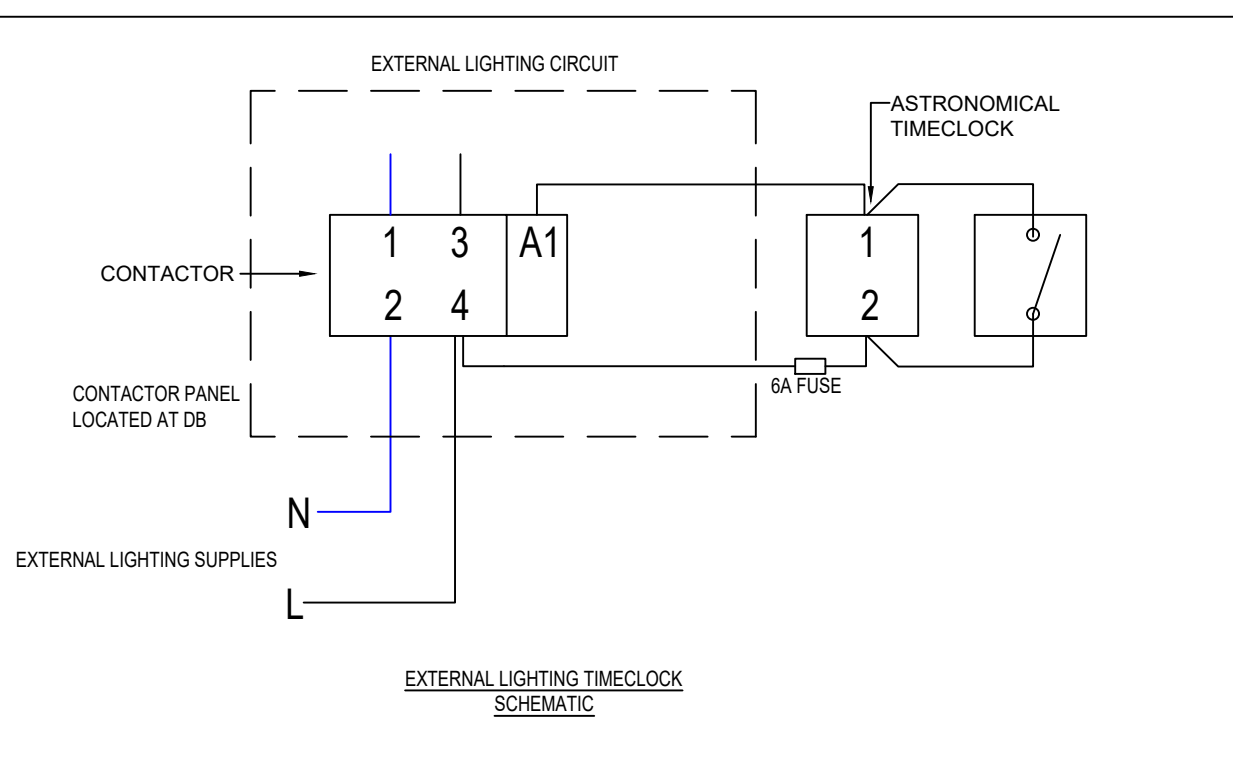
Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	Weights	Lumens
1	A	SINGLE	60w LED 4000k Viva City Pro 610mm with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
1	A2	BACK-BACK	2x 60w LED 4000k Viva City Pro 610mm with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
14	B	SINGLE	60w LED 4000k Viva City Pro 610mm with AW70 Optic Column mounted 8m	6.0kg	8,844 Lumens	147 LMW

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Min/Avg
Entrance Unit 2A	Illuminance	Lux	69.10	75	47	0.60
Entrance Unit 2B	Illuminance	Lux	64.90	72	52	0.60
Link Road 1	Illuminance	Lux	16.72	35	5	0.30
Link Road 2	Illuminance	Lux	31.07	77	11	0.35
Unit 2A Building Perimeter	Illuminance	Lux	11.93	19	7	0.59
Unit 2A Car Park	Illuminance	Lux	18.67	66	8	0.43
Unit 2A Access Road	Illuminance	Lux	29.48	46	9	0.44
Unit 2A Fire Track	Illuminance	Lux	15.35	22	10	0.65
Unit 2A Gate House	Illuminance	Lux	88.42	112	46	0.55
Unit 2A Loading Bays	Illuminance	Lux	75.62	138	24	0.32
Unit 2A Pedestrian Area	Illuminance	Lux	24.88	85	7	0.28
Unit 2A Service Yard	Illuminance	Lux	33.70	92	15	0.45
Unit 2A Utilities & Pedestrian	Illuminance	Lux	31.69	112	9	0.28
Unit 2B Access Road	Illuminance	Lux	38.55	72	16	0.42
Unit 2B Building Perimeter	Illuminance	Lux	13.24	33	6	0.45
Unit 2B Car Park	Illuminance	Lux	19.95	62	7	0.35
Unit 2B Gate House	Illuminance	Lux	76.69	108	34	0.44
Unit 2B Loading Bays	Illuminance	Lux	53.74	102	19	0.35
Unit 2B Pedestrian Area	Illuminance	Lux	36.24	114	10	0.26
Unit 2B Service Yard	Illuminance	Lux	36.04	106	15	0.42

- IDENTIFIES HAZARD NEAR TO OVERHEAD LINE EQUIPMENT (OLE) CAPE SHALL BE TAKEN DURING ERECTION AND MAINTENANCE OF SERVICES NEAR OLE
1. DO NOT SCALE FROM THE DRAWING.
2. EXTERNAL LIGHTING IS TO BE OPERATED BY ASTRONOMICAL TIME CLOCK LOCATED ADJACENT TO DISTRIBUTION BOARD.



EXTERNAL LIGHTING COLUMN SLEEVE DETAILS		
LIGHTING COLUMN HEIGHT	SLEEVE SIZE	HOLE IN SLEEVE HALF WAY UP
8M	100mm LONG 300mm WIDE	100mmØ
8M	100mm LONG 300mm WIDE	100mmØ
10M	150mm LONG 400mm WIDE	100mmØ
12M	175mm LONG 400mm WIDE	100mmØ



C1	ISSUED FOR CONSTRUCTION	BF	17.06.22
Rev.	Description	By	Date
CONSTRUCTION			
Project	PLOT 2 HOYLAND COMMON BARNSELEY		
Title	EXTERNAL LIGHTING LUX PLOT LAYOUT		
Scale	1:500	Drwg Size	A0
Drawn	BF	Checked	MK
Drwg No.	P21041-EBM-EX-ZZ-DR-E-0902	Rev.	C1

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Approval/Technical Submittal Sheet

Contract:	P21041 – Hoyland Plot 2A & 2B		
Reference No:	TS002 - External Lighting – P2	Required Response Date:	03.06.2022
Company:	EBM Electrical Services Ltd	Actual Response Date:	

Contractor Submission

Issued By:	Brad Free	Date:	20.05.2022
Issued To:	Tisha-Anne Mclean	Company:	Winvic

Please see enclosed data sheets and technical information relating to external lighting and astronomical timeclock for both Plots 2A & 2B.

Luminaire Schedule

Luminaire Schedule							
Project: Unit 2A							
Symbol	Qty	Label	Arrangement	Description	Weights	Lumens	LMW
	5	A	SINGLE	60w LED 4000k Viva City Pro 610mA with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
	5	A2	BACK-BACK	2x 60w LED 4000k Viva City Pro 610mA with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
	16	AW	SINGLE	60w LED 4000k Viva City Pro 610mA with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
	7	C	SINGLE	320w LED 4000k Zactis 808mA Floodlight with FW70 Optic Column mounted 10m	16.5kg	46,768 Lumens	146 LMW
	8	CW	SINGLE	320w LED 4000k Zactis 808mA Floodlight with FW70 Optic Wall mounted 10m & 12m	16.5kg	46,768 Lumens	146 LMW
	2	D	SINGLE	250w LED 4000k Zactis 645mA Floodlight with FW70 Optic Column Mounted 8m	16.5kg	35,836 Lumens	143 LMW
	16	HW	SINGLE	50w LED 4000k Guardian Pro Asymmetrical floodlight Wall mounted 6m	4.7kg	6,800 Lumens	136 LMW
	1	J	SINGLE	11w LED 4000k Semita Urban bulkhead with cycle optic Wall mounted 3m	2.4kg	1,570 Lumens	143 LMW
	2	K	SINGLE	24w LED 4000k Semita Urban bulkhead with flood optic Wall mounted 4m	2.4kg	3,000 Lumens	125 LMW

Luminaire Schedule							
Project: Unit 2B							
Symbol	Qty	Label	Arrangement	Description	Weights	Lumens	LMW
	2	A2	BACK-BACK	2x 60w LED 4000k Viva City Pro 610mA with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
	4	AW	SINGLE	60w LED 4000k Viva City Pro 610mA with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
	8	C	SINGLE	320w LED 4000k Zactis 808mA Floodlight with FW70 Optic Column mounted 10m	16.5kg	46,768 Lumens	146 LMW
	7	CW	SINGLE	320w LED 4000k Zactis 808mA Floodlight with FW70 Optic Wall mounted 9.5m & 12m	16.5kg	46,768 Lumens	146 LMW
	1	C2	BACK-BACK	320w LED 4000k Zactis 808mA Floodlight with FW70 Optic Column mounted 10m	16.5kg	46,768 Lumens	146 LMW
	2	D	SINGLE	250w LED 4000k Zactis 645mA Floodlight with FW70 Optic Column Mounted 8m	16.5kg	35,836 Lumens	143 LMW
	7	HW	SINGLE	50w LED 4000k Guardian Pro Asymmetrical floodlight Wall mounted 6m	4.7kg	6,800 Lumens	136 LMW
	6	J	SINGLE	11w LED 4000k Semita Urban bulkhead with cycle optic Wall mounted 3m	2.4kg	1,570 Lumens	143 LMW
	2	K	SINGLE	24w LED 4000k Semita Urban bulkhead with flood optic Wall mounted 4m	2.4kg	3,000 Lumens	125 LMW

Luminaire Schedule							
Symbol							
Symbol	Qty	Label	Arrangement	Description	Weights	Lumens	LMW
	1	A	SINGLE	60w LED 4000k Viva City Pro 610mA with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
	1	A2	BACK-BACK	2x 60w LED 4000k Viva City Pro 610mA with FW70 Optic Column mounted 8m	6.0kg	8,760 Lumens	146 LMW
	14	B	SINGLE	60w LED 4000k Viva City Pro 610mA with AY70 Optic Column Mounted 8m	6.0kg	8,844 Lumens	147 LMW

Calculation Summary

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Entrance Unit 2A	Illuminance	Lux	59.10	75	47	0.80	0.63
Entrance Unit 2B	Illuminance	Lux	64.90	72	52	0.80	0.72
Link Road 1	Illuminance	Lux	16.72	35	5	0.30	0.14
Link Road 2	Illuminance	Lux	31.07	77	11	0.35	0.14
Unit 2A Building Perimeter	Illuminance	Lux	11.93	19	7	0.59	0.37
Unit 2A Car Park	Illuminance	Lux	18.67	66	8	0.43	0.12
Unit 2A Entrance Road	Illuminance	Lux	20.48	46	9	0.44	0.20
Unit 2A Fire Track	Illuminance	Lux	15.35	22	10	0.65	0.45
Unit 2A Gate House	Illuminance	Lux	83.42	112	46	0.55	0.41
Unit 2A Loading Bays	Illuminance	Lux	75.62	138	24	0.32	0.17
Unit 2A Pedestrian Area	Illuminance	Lux	24.88	85	7	0.28	0.08
Unit 2A Service Yard	Illuminance	Lux	33.70	92	15	0.45	0.16
Unit 2A Utilities & Pedestrian	Illuminance	Lux	31.69	112	9	0.28	0.08
Unit 2B Access Road	Illuminance	Lux	38.05	72	16	0.42	0.22
Unit 2B Building Perimeter	Illuminance	Lux	13.24	33	6	0.45	0.18
Unit 2B Car Park	Illuminance	Lux	19.95	52	7	0.35	0.13
Unit 2B Gate House	Illuminance	Lux	76.69	108	34	0.44	0.31
Unit 2B Loading Bays	Illuminance	Lux	53.74	102	19	0.35	0.19
Unit 2B Pedestrian Area	Illuminance	Lux	38.24	114	10	0.26	0.09
Unit 2B Service Yard	Illuminance	Lux	36.04	106	15	0.42	0.14

Refer to external lighting lux plot layout drawing reference: P21041-EBM-EX-ZZ-DR-E-0902 for further details.

Controls

Lighting shall be controlled via an astronomical timeclock, complete with manual over-ride located adjacent to the serving distribution board. The astronomical timeclock automatically controls lighting based on the time of day and astronomical events i.e. sunset and sunrise accounting for geographic location and calendar date. It therefore alleviates the requirement for a separate photocell control.

Design Team Review	
Received By:	Date:
Comments:	
Approved:	
Status:	Note: Status A – Approved
Issued By:	Status B – Approved with Comments
Issued To:	Status C – Not Approved
Company:	Date:

Contractor Receipt	
Received By:	Date:
Action:	



Kingfisher
Lighting

45678 - Hoyland Common,
Barnsley, M1, Junction 36,
Phase 2

Kingfisherlighting.com



STREET • AMENITY • ARCHITECTURAL • AREA

Dimensions are not to be scaled from this drawing



Kingfisher Lighting

Part of the Luceco PLC group of companies



Kingfisher Lighting

Part of the Luceco PLC group of companies



BREEAM New Construction 2018 (UK)

Hoyland Common, Barnsley, M1, Junction 36, Phase 2

Qty	Range	Light Source	Lamp Lumen	Circuit Watts	Lot/W	LOR	Luminaires	ELOR	Upward Lumen	BA	ART Hour Per Day	COP Calculation for year
42	Viva City PRO	60w LED FWW	8760	60	146.50	100.0%	36750	0.0%	0	70	12	2.55
10	2x10m	300w LED FWW	44156	180	137.50	100.0%	141292	0.0%	0	60	12	80.36
4	2x10m	300w LED FWW	34200	270	137.50	100.0%	131000	0.0%	0	60	12	1.01
23	Guardian Pro	50w LED	5200	50	104.00	100.0%	119600	0.0%	0	60	12	1.38
7	Semita Urban	11w LED OC Optic	1470	11	104.00	100.0%	12280	0.0%	0	70	12	0.08
15	Viva City PRO	60w LED AYFO	8864	60	107.60	100.0%	137864	0.0%	0	70	12	0.85
4	Semita Urban	24w LED FL Optic	3000	24	105.00	100.0%	12000	0.0%	0	70	12	0.10

Total Installation Lumens 2153616.00 Total ELOR 0.00%

Table 1 compliance

Environmental zone

Sky Glow

Source Intensity (candelas)

Light Trespass into windows (Lux)

Building Luminance (cd/m²)

Compliance Status

Pat 54

Pat 55

Pat 56

Pat 57

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Datasheet

Guardian Pro



Product Description

This asymmetric flood light offers a powerful fixed output in a small package. It also comes with an adjustable bracket in order to get the perfect illumination for your scheme.

Specification Text

The luminaire shall be manufactured from high-pressure die-cast aluminium. It shall have an LED efficacy of up to 130.0 lm/W and will be capable of producing up to 26,000 luminaire lumens at 4000K with a CRI >70. It shall have an asymmetric optic and is rated at IP65 and IK07.

Specification

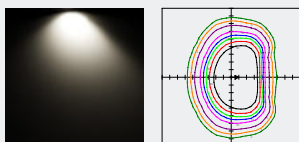
Weight: 4.7 - 9.3kg
Material: Die-cast Aluminium
Paint finish: RAL7016 Anthracite Grey Finish

Key Features

- 50.0 - 200.0W
- 6,800 - 26,000 Luminaire Lumens
- Efficacy up to 130.0 lm/W
- 4000K, CRI >70
- Lifetime > 70,000hr, L80



Optics

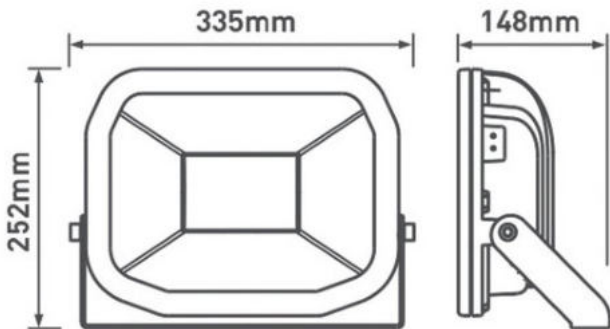


Asymmetrical Flood

Code	Power	Luminaire Lumens	Optic	CCT(K)	IP	IK	Weight kg	Paint Finish	Driver Included
LFP50B140F	50.0	6,800	Asymmetrical Flood	4000	IP65	IK07	4.7	RAL7016 Anthracite Grey	Driver Inc
LFP100B140F	100.0	12,500		4000	IP65	IK07	7.4	RAL7016 Anthracite Grey	Driver Inc
LFP150B140F	150.0	19,200		4000	IP65	IK07	7.4	RAL7016 Anthracite Grey	Driver Inc
LFP200B140F	200.0	26,000		4000	IP65	IK07	9.3	RAL7016 Anthracite Grey	Driver Inc



Dimensions



Datasheet

Semita Urban



Product Description

Designed and engineered in the UK, Semita Urban is a contemporary, slimline wallpack. The newest addition to our popular wallpack family is available with street, path or flood optics and comes equipped with an optional 'click on' comfort diffuser for a softer output.

Specification Text

The luminaire shall be manufactured from high-pressure die-cast aluminium. It shall have an LED efficacy of up to 146.0 lm/W and will be capable of producing up to 3,000 luminaire lumens at 4000K with a CRI >70. It shall have an asymmetric forward throw optic and is rated at IP66 and IK10.

Specify 2700K for IDA compliance.

Specification

Weight: 2.4kg

Material: Die-cast Aluminium

Paint finish: RAL7016 Anthracite Grey Finish

Key Features

- 6.0 - 11.0W
- 812 - 3,000 Luminaire Lumens
- Efficacy up to 146.0lm/W
- 4000K, CRI >70
- Lifetime >100,000hr, L80



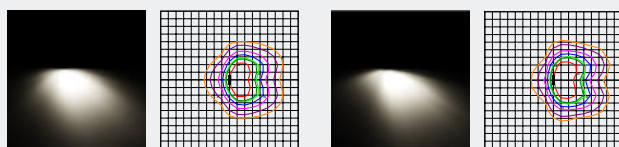
Mounting Options

- Wall Mount

Other Options

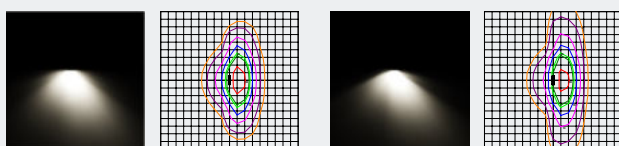
- Colour Temperature Option
 - Photocell Option
 - Emergency Option
- [Contact for details](#)

Optics



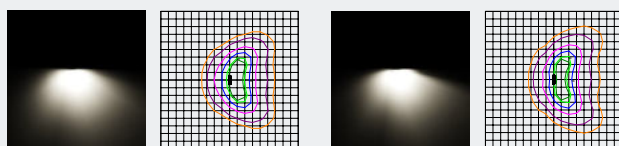
Comfort Flood Light Optic

Flood Light Optic



Comfort Path Optic

Path Optic



Comfort Street Optic

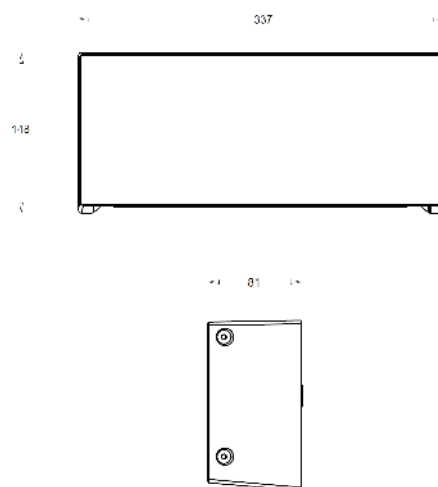
Street Optic



Code	Power	Luminaire Lumens	Drive Current	Optic	CCT(K)	IP	IK	Weight kg	Paint Finish	Driver Included
SEMUFL08D	6.0	812	205	Asymmetrical Flood Light Optic FL	4000	IP66	IK10	2.4	RAL7016 Anthracite Grey	Driver Inc
SEMUFL15D	11.0	1,611	410		4000	IP66	IK10	2.4	RAL7016 Anthracite Grey	Driver Inc
SEMUOC08D	6.0	802	205	Asymmetrical Path Optic OC	4000	IP66	IK10	2.4	RAL7016 Anthracite Grey	Driver Inc
SEMUOC15D	11.0	1,570	410		4000	IP66	IK10	2.4	RAL7016 Anthracite Grey	Driver Inc
SEMUST08D	6.0	783	205	Asymmetrical Street Optic ST	4000	IP66	IK10	2.4	RAL7016 Anthracite Grey	Driver Inc
SEMUST15D	11.0	1,496	410		4000	IP66	IK10	2.4	RAL7016 Anthracite Grey	Driver Inc
SEMUFL30D	24.0	3000	900	Flood Light Optic	4000	IP66	IK10	2.4	RAL7016 Anthracite Grey	Driver Inc



Dimensions



Datasheet

Viva-City Pro



Product Description

A modular, slimline, performance street lantern with improved efficacy and output. Viva-City Pro offers a choice of optics with asymmetrical distribution including an area optic.

Specification Text

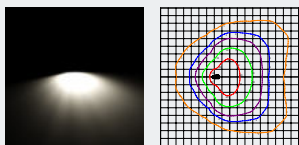
The luminaire shall be manufactured from high-pressure die-cast aluminium. It shall have an LED efficacy of up to 150.0 lm/W and will be capable of producing up to 24,660 luminaire lumens at 4000K with a CRI >70. It shall have an asymmetric forward throw optic and is rated at IP66 and IK08.

Specify 2700K for IDA compliance.

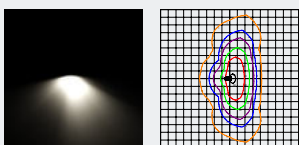
Specification

Weight: 4.5 - 9.0kg
Windage: 0.09m²
Material: Die-cast Aluminium
Paint finish: RAL7016 Anthracite

Optics



Asymmetric Forward Throw Optic 70°



Street Optic - Wide 70°

Key Features

- 15.0 - 180.0W
- 2,250 - 24,660 Luminaire Lumens
- Efficacy up to 150.0 lm/W
- 4000K, CRI >70
- Lifetime >100,000hr, L80



Mounting Options

- Post Top 60mm

Other Options

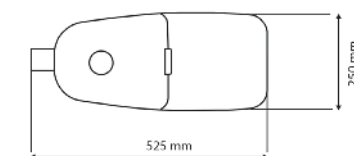
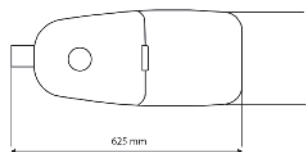
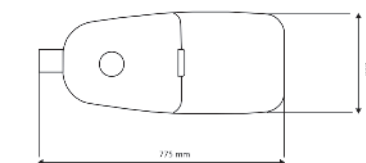
- Part Night Dimming
 - Colour Temperature Option
 - Photocell Option
 - Emergency Option
- [Contact for details](#)



Code	Power	Luminaire Lumens	Drive Current	Optic	CCT(K)	IP	IK	Weight kg	Paint Finish	Driver Included	Driver Type
VCYP-AY70-4.3-15D	15.0	2,260	640	Street Optic - Wide 70°	4000	IP66	IK08	4.5	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-AY70-4.8-40D	40.0	5,927	805		4000	IP66	IK08	6.0	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-AY70-4.6-60D	60.0	8,844	610		4000	IP66	IK08	6.0	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-AY70-4.8-80D	80.0	11,120	805		4000	IP66	IK08	6.0	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-AY70-4.6-120D	120.0	17,828	610		4000	IP66	IK08	9.0	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-AY70-4.8-180D	180.0	24,840	880		4000	IP66	IK08	9.0	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-FW70-4.3-15D	15.0	2,250	640	Asymmetrical Forward Throw Optic - 70°	4000	IP66	IK08	4.5	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-FW70-4.8-40D	40.0	5,880	805		4000	IP66	IK08	6.0	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-FW70-4.6-60D	60.0	8,760	610		4000	IP66	IK08	6.0	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-FW70-4.8-80D	80.0	11,040	805		4000	IP66	IK08	6.0	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-FW70-4.6-120D	120.0	17,760	620		4000	IP66	IK08	9.0	RAL7016 Anthracite Grey	Driver Inc	DALI
VCYP-FW70-4.8-180D	180.0	24,660	880		4000	IP66	IK08	9.0	RAL7016 Anthracite Grey	Driver Inc	DALI



Dimensions



Datasheet

Zactis



Product Description

Zactis is a high-performance flat-to-ground LED flood light perfect for sports, high mast and area applications. As well as facilitating easy installation and maintenance, the sleek, low-profile design, reduces the load together with decreasing windage.

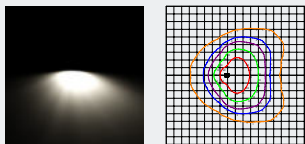
Specification Text

The luminaire shall be manufactured from high-pressure die-cast aluminium. It shall have an LED efficacy of up to 138.0 lm/W and will be capable of producing up to 44,156 luminaire lumens at 4000K with a CRI >70. It shall have an asymmetric forward throw optic and is rated at IP65 and IK08.

Specification

Weight: 15.0 - 16.5kg
Windage: 0.1m²
Material: Die-cast Aluminium
Paint finish: RAL7016 Anthracite
Grey Marine Grade

Optics



Asymmetrical Forward Throw Optic 70°

Key Features

- 125.0 - 320.0W
- 17,125 - 44,156 Luminaire Lumens
- Efficacy up to 138.0 lm/W
- 4000K, CRI >70
- Lifetime >100,000hr, L70



Mounting Options

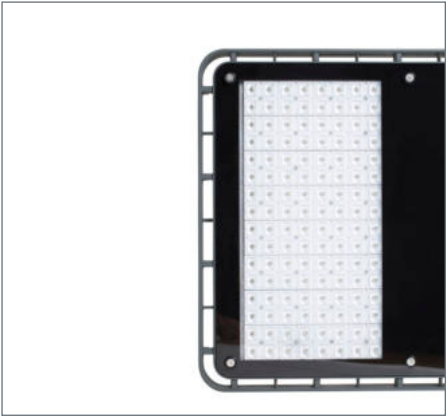
- Stirrup Mount

Other Options

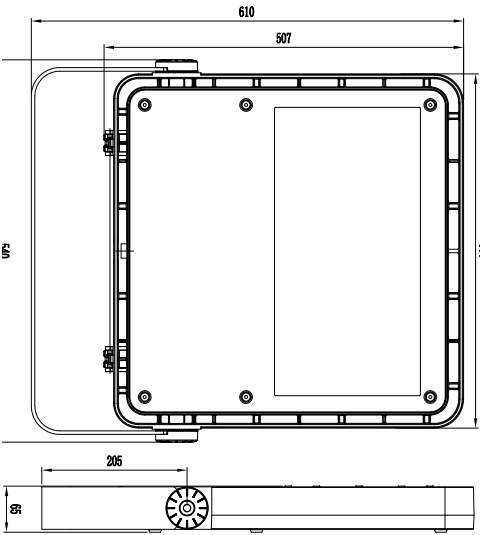
- Part Night Dimming
- Colour Temperature Options
- Photocell Option
- [Contact for details](#)



Code	Power	Luminaire Lumens	Drive Current	Optic	CCT(K)	IP	IK	Weight kg	Paint Finish	Driver Included
ZAC-FW70-4.5-125D	125.0	17,686	645	Asymmetrical Forward Throw Optic - 70°	4000	IP65	IK08	15.0	RAL7016 Anthracite Grey Marine Grade	Driver Inc
ZAC-FW70-4.7-160D	160.0	22,800	808		4000	IP66	IK08	15.0	RAL7016 Anthracite Grey Marine Grade	Driver Inc
ZAC-FW70-4.5-250D	250.0	35,836	645		4000	IP66	IK08	16.5	RAL7016 Anthracite Grey Marine Grade	Driver Inc
ZAC-FW70-4.7-320D	320.0	46,768	808		4000	IP66	IK08	16.5	RAL7016 Anthracite Grey Marine Grade	Driver Inc



Dimensions





Kingfisher Lighting

Datasheet

Columns

A comprehensive range of tubular, conical and hinged columns, for road & transport, car parks, residential and urban landscapes.



Experts in columns

- Wide range of columns and masts
- Design facility to help you specify
- Support to match the columns with luminaires and brackets
- Column key and door spares available

Maintained stock levels

- Extensive stock of most columns held at our warehouse
- In-house fabrication and finishing options

Nation-wide delivery

- Hi-ab equipment to enable fast and safe off-loading
- Fleet fitted with trackers to monitor deliveries
- Helpful drivers who handle the on-site deliveries
- Free delivery on orders over £300 within mainland GB

High quality standards

- Designed in accordance with BS EN40
- Manufactured from steel tube to EN10210

What to consider when designing with columns

BS EN40 provides a detailed framework for the design of a lighting column and provides key considerations when designing an exterior lighting scheme to ensure the structural integrity of the column.

A lighting column design must take into account (in relationship to mounting height):

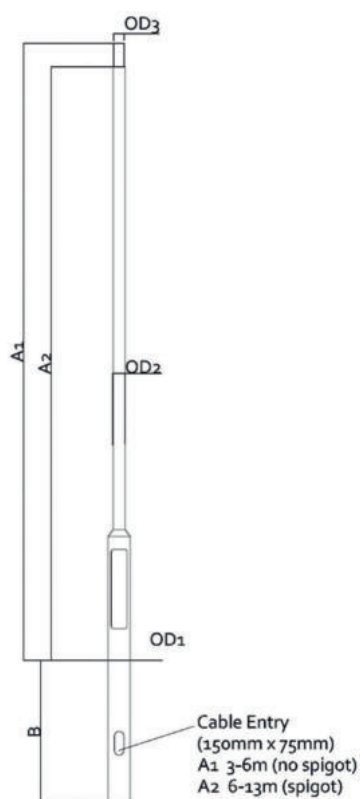
- Weight and windage of the luminaire and bracket
- Wind speed
- Site altitude
- Site terrain and topography

When this information is not readily available, PD 5647:2004 may be used for guidance. This document contains informative data relating to the administrative areas of the UK, providing a rationalised wind loading factor (RWF) for each location. Please contact us for more information.

Tubular columns (3m - 12m)

A range of tubular lighting columns suitable for road, residential and general amenity areas. Available root mounted or flange plated.

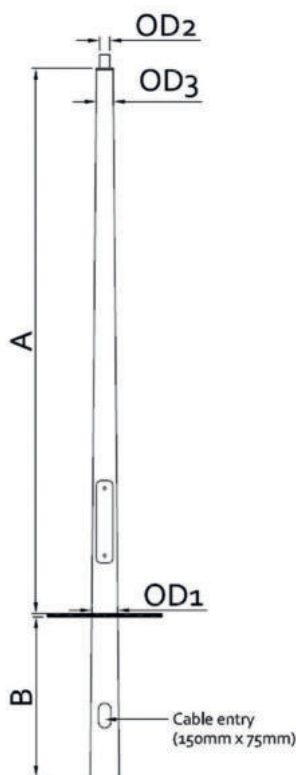
Tubular



Conical lighting columns (4m - 8m)

An aesthetic range of conical lighting columns suitable for residential and amenity areas. Available root mounted or flange plated.

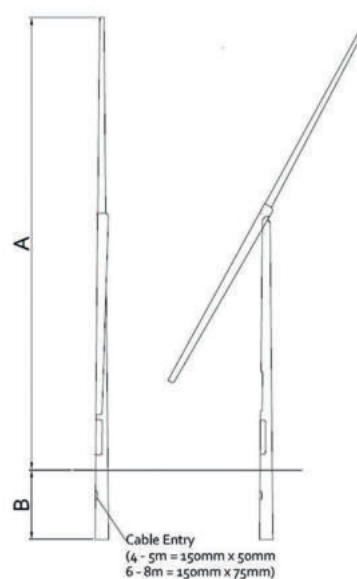
Conical



Mid-hinged columns (4m - 15m)

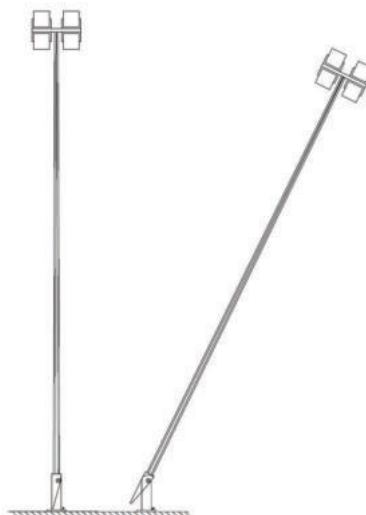
An easy-access range of mid-hinged columns suitable for residential, amenity, rail and industrial areas where conventional access platforms are unsafe or unsuitable. Available root mounted or flange plated. When installing mid-hinged columns, minimum head load is required for the column to hinge.

Mid-hinged



Base-hinged columns

Base-hinged columns are an option for cost effective, safe and easy maintenance. The lowering of the column is done quickly and safely using a raising and lowering tool specific to the column. This lowers the column to ground level for easy access to the luminaire. Base-hinged columns are best suited to sites with tight access and where mobile platforms cannot be used such as sports facilities, car parks and footpaths.



Tubular columns (3-12m)

A range of tubular lighting columns suitable for road, residential and general amenity areas. Available root mounted or flange plated.

Code	A	OD1	OD2	OD3	Door Openings	B	Terrain Category	Max Head Load
Tubular Columns (Root Mounted)								
3CT76	3m	Ø140	Ø76	N/A	500 x 100	800	3	50kg/0.90m ²
4CT76	4m	Ø140	Ø76	N/A	500 x 100	800	3	50kg/0.50m ²
5CT76	5m	Ø140	Ø76	N/A	500 x 100	800	3	50kg/0.50m ²
6CT76	6m	Ø140	Ø76	N/A	500 x 100	1000	3	50kg/0.50m ²
6CTH89	6m	Ø168	Ø89	Ø76	600 x 115	1000	3	50kg/0.75m ²
8CT89	8m	Ø168	Ø89	Ø76	600 x 115	1200	2	50kg/0.36m ²
8CTM114	8m	Ø168	Ø114	Ø101	600 x 115	1200	2	60kg/0.55m ²
10CT114	10m	Ø168	Ø114	Ø101	600 x 115	1500	2	50kg/0.50m ²
10CTH140	10m	Ø192	Ø140	Ø127	600 x 115	1500	2	80kg/1.00m ²
12CTHB140	12m	Ø192	Ø140	Ø127	600 x 115	1700	2	70kg/0.85m ²

Code	A	OD1	OD2	OD3	Door Openings	B	Terrain Category	Max Head Load	Hole Centres C	Slot Size H	Bolt Code
Tubular Columns (Flange Plated)											
3CT76FP	3m	Ø140	Ø76	N/A	500 x 100	800	3	50kg/0.90m²	200	20 x 50	FB001
4CT76FP	4m	Ø140	Ø76	N/A	500 x 100	800	3	50kg/0.50m²	200	20 x 50	FB001
5CT76FP	5m	Ø140	Ø76	N/A	500 x 100	800	3	50kg/0.50m²	200	20 x 50	FB001
6CT76FP	6m	Ø140	Ø76	N/A	500 x 100	1000	3	50kg/0.50m²	200	20 x 50	FB001
6CTH89FP	6m	Ø168	Ø89	Ø76	600 x 115	1000	3	50kg/0.75m²	200	24 x 50	FB007
8CT89FP	8m	Ø168	Ø89	Ø76	600 x 115	1200	2	50kg/0.36m²	300	29 x 64	FB004
8CTM114FP	8m	Ø168	Ø114	Ø101	600 x 115	1200	2	60kg/0.55m²	300	29 x 64	FB004
10CT114FP	10m	Ø168	Ø114	Ø101	600 x 115	1500	2	50kg/0.50m²	300	29 x 64	FB004
10CTH140	10m	Ø192	Ø140	Ø127	600 x 115	1500	2	80kg/1.00m²	300	29 x 64	FB004
12CTHB140	12m	Ø192	Ø140	Ø127	600 x 115	1700	2	70kg/0.85m²	300	29 x 64	FB004

Conical lighting columns (4-8m)

An aesthetic range of conical lighting columns suitable for residential and amenity areas. Available root mounted or flange plated.

Code	A	B	OD1	OD2	OD3	Door Size	Terrain Category	Max Head Load	Max Windage
4CCS60L	4m	800mm	133mm	60mm	60 x 85	500 x 100	3	30kg	0.5m²
5CCS60L	5m	800mm	145mm	60mm	60 x 85	500 x 100	3	35kg	0.5m²
6CCS60L	6m	800mm	157mm	60mm	60 x 85	500 x 100	3	40kg	0.5m²
8CCS60L	8m	1200mm	168mm	60mm	76mm	500 x 100	2	40kg	0.45m²

Mid-hinged columns (4-8m)

An easy-access range of mid-hinged columns suitable for residential, amenity, rail and industrial areas where conventional access platforms are unsafe or unsuitable for use. Available root mounted or flange plated.

Code	A	Description - Mid-hinged octagonal	B	Max Head Load*	Max Windage	Hole Size L	Flange Size / Code	Bolt Code	Bolt	Winch
Rope Operated										
4MHRL	4m	Root mounted	800	20kg	0.5m²					Rope
4MHFPL	4m	Flange plated		20kg	0.5m²	200	300mm/18mm	M16 x 500	FB001	Rope
5MHRL	5m	Root mounted	800	20kg	0.5m²					Rope
5MHFPL	5m	Flange plated		20kg	0.5m²	200	300mm/18mm	M16 x 500	FB001	Rope
6MHRL	6m	Root mounted	1000	20kg	0.5m²					Rope
6MHFPL	6m	Flange plated		20kg	0.5m²	200	300mm/18mm	M16 x 500	FB001	Rope
Winch Operated										
4MHRL	4m	Root mounted	800	35kg	0.5m²					KLWINCHL
4MHFPL	4m	Flange plated		35kg	0.5m²	200	300mm/18mm	M16 x 500	FB001	KLWINCHL
5MHRL	5m	Root mounted	800	35kg	0.5m²					KLWINCHL
5MHFPL	5m	Flange plated		35kg	0.5m²	200	300mm/18mm	M16 x 500	FB001	KLWINCHL
6MHRL	6m	Root mounted	1000	35kg	0.5m²					KLWINCHL
6MHFPL	6m	Flange plated		35kg	0.5m²	200	300mm/18mm	M16 x 500	FB001	KLWINCHL
8MHF1	8m	Flange plated		70kg	0.98m²	300	420mm/25mm	M24 x 820	FB001	KLWINCHL
8MHRL1	8m	Root mounted	1200	135kg	0.70m²				FB004	KLWINCHSHD <100kg KLWINCHSHD2 >100kg

Above weight and windage area figures are based on a medium terrain category. Other sizes & variations available on request.

*Please note maximum carrying weight of a 4m - 6m mid - hinged column is 20kg with a rope or 35kg with a winch.

Product datasheet

Specifications



Acti9 IC Astro 1C SMART programmable twilight switch

Local distributor code: 408113955 CCT15225

Main

Product name	Acti 9 IC
Product or component type	Programmable astronomic twilight switch
Device short name	IC Astro
Number of channels	1
User language	English French Danish Dutch Turkish Norwegian Spanish Swedish Romanian Hungarian Russian Polish Portuguese Slovene Bulgarian German Croatian Italian
Type of setting	Weekly programming

Complementary

Device application	Building
Maximum power consumption in W	0.5 W standby
Maximum switching current	10 A - 250 V AC pf = 0.6 16 A - 250 V AC pf = 1
Minimum switching current	10 mA 230 V AC 100 mA 24 V AC/DC
[Ue] rated operational voltage	230 V AC +10 % -15 % at 50/60 Hz
Contacts type and composition	C/O
Control type	By calculation of sunrise/sunset times
Control button type	4 push-buttons
Function available	External input for override Code lock function Holiday schedules Automatic winter/summer time changeover On/off permanent switching Sunrise/sunset time offset +/- 120 min Position setting Switch preselection

Load type	Incandescent lamp 2600 W Halogen lamp 2600 W Non-corrected fluorescent tube 2300 VA Serial-compensated fluorescent tube 2300 VA Parallel compensated fluorescent lamp 730 VA 80 µF Compact fluorescent lamp 170 W LED lamp < 2 W 30 W LED lamp > 2 W 200 W
Accuracy	+/- 0.25 s/day 25 °C
Output type	Dry contact
Operating mode	Evening on, morning off Evening off, morning on inactive Only timer switch is active
Maximum number of switchings	84
Backup time	10 years
Display type	Backlit LCD
Information displayed	Time Operating time counter (per channel) Switching behaviour Day
Mounting support	TH35 DIN rail conforming to EN 60715
Connections - terminals	2 x 0.5...2.5 mm² screw terminals solid or flexible 1 x 2.5 mm² screw terminals solid or flexible with sleeve
Marking	CE
Electrical insulation class	Class II
Overvoltage category	Class 3
Height	92.6 mm
Width	45 mm
Depth	66.7 mm
Net weight	115 g

Environment

Standards	EN 60730-2-7:2010
Ambient air temperature for operation	-30...55 °C
Ambient air temp for storage/ transportation	-30...70 °C
IP degree of protection	IP20
Relative humidity	90 %, non-condensing

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	158.0 g
Package 1 Height	8 cm
Package 1 width	6.7 cm
Package 1 Length	10.4 cm
Unit Type of Package 2	S03
Number of Units in Package 2	40
Package 2 Weight	6.819 kg
Package 2 Height	30 cm

Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	P12
Number of Units in Package 3	960
Package 3 Weight	182.04 kg
Package 3 Height	105 cm
Package 3 width	80 cm
Package 3 Length	120 cm

Offer Sustainability

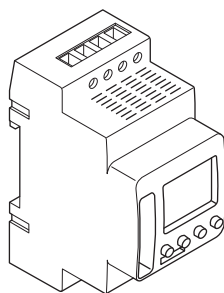
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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IC Astro - Smart

Product information / menu description



CCT15225

CCT15245

IC Astro - Smart

Getting to know the twilight switch

Displays and operating elements

Operation

Menu structure

Initial setup

ASTRO menu

Setting an offset

Setting ASTRO PULSE (2C only)

Setting twilight (2C only)

Setting the location

PROGRAM menu (1C only)

PROGRAM menu (2C only)

Setting a switching time

Setting summer time/winter time

MANUAL menu

Setting the holiday function

Setting the external input

Channel combination (Program change) (2C only)

Channel lock - (2C only)

Setting the PIN

Activating override and permanent switching

Resetting basic settings

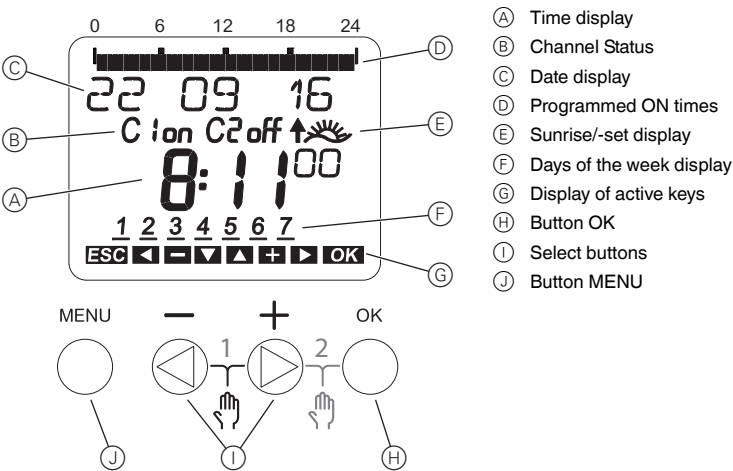
Programming with the memory stick

Schneider Electric Industries SAS

Getting to know the twilight switch

The IC Astro - SMART with weekly time switch controls the light facilities of streets, external stairways, etc.

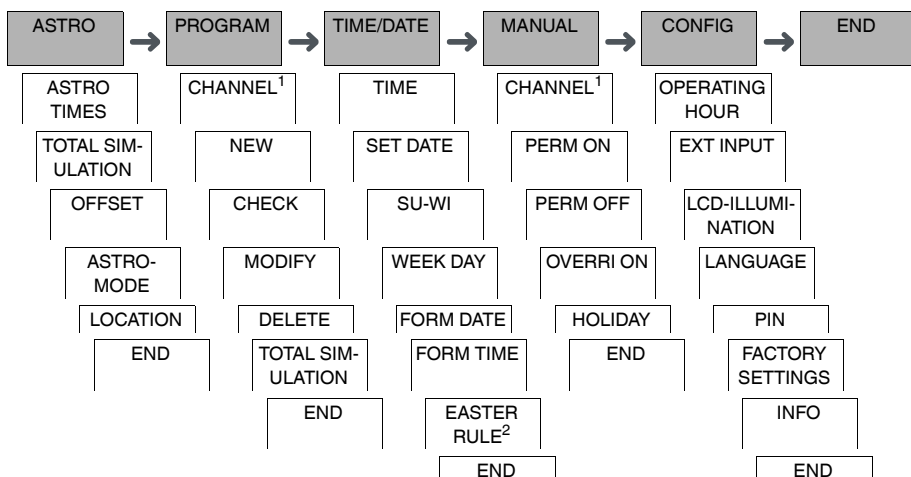
Displays and operating elements



Operation

Button	Function
Button MENU	• Opens the menu • In menu mode: one step back • In programming mode: cancel programming mode
Select buttons	• Switch between menu items • Increase/decrease value
Button OK	• In menu mode: select menu item • In programming mode: confirm setting

Menu structure



¹ The menu item **CHANNEL** only appears on devices with two channels (2C). Devices with one channel switch directly to the menu below.

² Only appears on devices with two channels (2C).

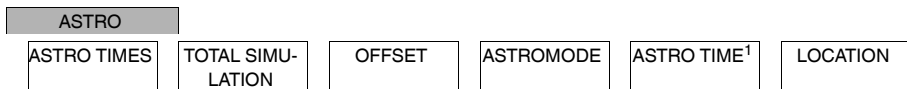
Initial setup

The basic settings, such as date, time, etc., must be carried out when starting for the first time or following a reset.

The device starts in the settings menu with the item **LANGUAGE**.

- ① Select the language.
- ② Select **COUNTRY** or **COORDINATES**.
- ③ If **COUNTRY** has been selected, first select the country and then the city that is closest to your location.
- ④ If **COORDINATES** has been selected, set **LATITUDE NORTH**, **LONGITUDE EAST** and **TIMEZONE**.
- ⑤ Confirm the message **FORM DATE**.
- ⑥ Select the date format.
- ⑦ Set the year.
- ⑧ Set the month.
- ⑨ Set the day.
- ⑩ Confirm the message **FORM TIME**.
- ⑪ Select the time format.
- ⑫ Set the hours.
- ⑬ Set the minute.
- ⑭ Select summer time/winter time.

ASTRO menu



¹ Only appears on devices with two channels (2C).

In the **ASTRO** menu, you can check and modify astro settings.

- **ASTRO TIMES**
Display of the astro times (including offsets) for the current day.
- **TOTAL SIMULATION**
Display of the astro switching times and programmed switching times starting from a freely selectable start date (holiday program is not displayed).
- **OFFSET**
With the offset (correction value), you can shift the calculated astro times by +/- 120 min. In this way, you can adapt the astro on and off to local circumstances or personal preferences.
- **ASTROMODE**
You can select whether the load is to be switched on at sunset (**EVE-ON MORNING-OFF**) or off (**EVE-OFF MORNING-ON**).
- **ASTRO TIME** (2C only)
You can choose between three times for twilight.
- **LOCATION**
You can set the location by selecting a city or using coordinates.

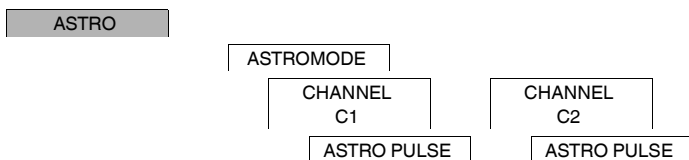
Setting an offset



You can shift the calculated astro times for sunrise and sunset by +/- 120 min. In this way, you can adapt the astro on and off to local circumstances or personal preferences.

- ① Select **CHANNEL**.
- ② Select **OFFSET MORNING** or **OFFSET EVENING**.
- ③ Set the **OFFSET** in minutes.

Setting ASTRO PULSE (2C only)



An astro pulse switches on the load for a set duration. This function is suitable for controlling blinds, roller shutters, etc.

- ① Select **EVENINGS AND MORNINGS, MORNINGS** or **EVENINGS**.
- ② Set the minutes for the **PULSE LENGTH**.
- ③ Set the seconds for the **PULSE LENGTH**.

Setting twilight (2C only)

ASTRO	ASTRO TIME	
	CHANNEL C1	CHANNEL C2

You can set three twilight ranges in which the load is to be switched on in the evening.

- **SUNSET** (civil twilight)
The moment at which the upper edge of the solar disk disappears below the horizon.
- **TWILIGHT** (nautical twilight)
The moment at which the geometric centre of the sun is 6° below the horizon.
- **DARKNESS** (astronomical twilight)
The moment at which the geometric centre of the sun is 12° below the horizon. Stars are visible.

Setting the location

ASTRO	LOCATION
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You can set the location by selecting a city or using coordinates.

- ① Select **COUNTRY** or **COORDINATES**.
- ② If **COUNTRY** has been selected, first select the country and then the city that is closest to your location.
- ③ If **COORDINATES** has been selected, set **LATITUDE NORTH**, **LONGITUDE EAST** and **TIMEZONE**.

PROGRAM menu (1C only)

PROGRAM				
NEW	CHECK	MODIFY	DELETE	TOTAL SIMULATION

In the **PROGRAM** menu you can set, check or modify switching times and total simulation (location information).

- **NEW**
You can create simple switching times.
- **CHECK**
You can view all programmed switching times.
- **MODIFY**
You can adapt the settings of a programmed switching time.
- **DELETE**
You can delete programmed switching times, either individually or all together.
- **TOTAL SIMULATION**
Display of the astro switching times and programmed switching times starting from a freely selectable start date (holiday program is not displayed).

PROGRAM menu (2C only)

PROGRAM					
CHANNEL C1	CHANNEL C2				
STANDARD	EXTRA1 AS- TROPROG	EXTRA2 ON	EXTRA3 OFF	TOTAL SIMU- LATION	DELETE ALL

In the **PROGRAM** menu you can set, check or modify switching times, special programs and total simulation (location information).

- **STANDARD**
You can create and modify simple switching times and delete them as required.
- **EXTRA1 ASTRO**
With astro times active, you can set a daytime interruption and a night-time interruption.
- **EXTRA2 ON**
You can set a period of time in which the load is permanently switched on.
- **EXTRA2 OFF**
You can set a period of time in which the load is permanently switched off.
- **TOTAL SIMULATION**
Display of the switching behaviour with a freely selectable start date (holiday program is not displayed).
- **DELETE ALL**
You can delete all settings created in the **PROGRAM** menus at once.

Date ranges

If you set an Extra program, different date ranges are available:

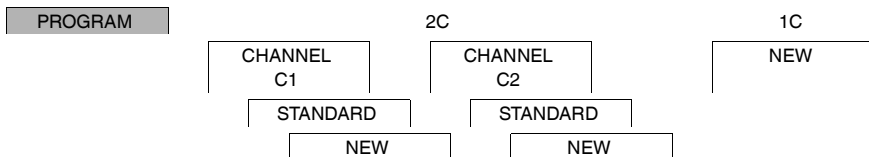
- **FIX DATE:** One-off date range with a fixed start and end time or annually recurring date range.
- **BEFORE/AFTER EASTER:** Annually recurring date range whose start and end times are defined relative to Easter Sunday 00:00.



BEFORE/AFTER EASTER setting:

The display starts with 0 days and indicates **START EASTER SUNDAY**. Using the selection buttons, you can reduce this value to **START BEFORE EASTER** or increase it to **START AFTER EASTER**.

Setting a switching time



A switching time always consists of a start switching time and an end switching time. You can select whether the load is switched off (**NIGHT BREAK**) or on (**LIGHT ON**). You can either set switching times for a specific day of the week or copy them for multiple week days. Copied week days are referred to as a block.

Example: The lighting of a shop window should not be on for the whole night. To switch the lighting off, set a **NIGHT BREAK** at the desired time.

To set a switching time:

- ① Confirm message about free memory slots.
- ② Select **LIGHT ON** or **NIGHT BREAK**.
- ③ Set the hour.
- ④ Set the minute.
- ⑤ Set the day of the week.
- ⑥ Set **DURATION UNTIL**.
- ⑦ If the switching time is only to be valid for one week day, select **SAVE**.
The switching time is set.
- ⑧ If the switching time is to be copied as a block for multiple week days, select **COPY**.
- ⑨ Select further days of the week and confirm in each case.
Week days contained in the block are indicated in the week day display.
To remove a week day from the block, select the week day again using the selection buttons.
- ⑩ Once the desired week days have been set, select **SAVE**.

Setting summer time/winter time



You can adapt summer and winter time to your region.

- ① Select summer time/winter time region.

MANUAL menu

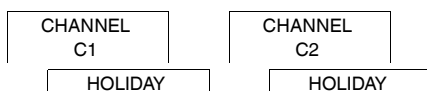


¹ Only appears on devices with two channels (2C).

In the **MANUAL** menu, you can switch a channel completely on or off. You can switch a channel permanently, once for a short period of time and once for a longer period (holiday function).

Setting the holiday function

MANUAL



With the holiday function, you can switch a channel on or off completely for a longer period. The programmed switching times do not apply while the holiday function is active. You can only set one holiday time per channel.

- ① Select **ON** or **OFF**.
- ② Confirm **BEGIN HOLIDAY**.
- ③ Set the year.
- ④ Set the month.
- ⑤ Set the day.
- ⑥ Set the hour.
- ⑦ Confirm **END HOLIDAY**.
- ⑧ Set the year.
- ⑨ Set the month.
- ⑩ Set the day.
- ⑪ Set the hour.

Setting the external input

CONFIG



The device has an external input, you can set whether, and in what manner, it is to respond to an external signal. In the **EXT INPUT** menu, you can set the function that is to be executed. If a function is activated via an external button or switch, **EXTERNAL** appears in the display.

You can set an external input for each channel. In the **EXT INPUT** menu, you can set the function that is to be executed. If a function is activated via an external button or switch, **EXTERNAL** appears in the display.

NOT ACTIVE

The external input has no function.

BUTTON

The external input waits for a brief signal and executes a function once.

- **OVERRIDE**
Actuating the external button switches to the override function.
- **STAIRCASE LIGHT**
The load is switched on for a maximum of 59 minutes. Set the duration and whether the load can be switched off or reset.
- **TIMER**
The load is switched on or off for a maximum of 23 hours and 59 minutes. Set the duration and the desired function.

SWITCH

The external input switches between two states.

- **PERM ON**
Switches the load on permanently.
- **PERM OFF**
Switches the load off permanently.
- **ONLY ASTRO**
All switching times except twilight times are deactivated.
- **EXTRA1 ASTROPROG** (2C only)
The special program **EXTRA1 ASTROPROG** is activated.

Channel combination (Program change) (2C only)

CONFIG

CHANNEL COM-
BINATION

PROGRAM
CHANGE

With program change, the load on both channels is switched on in the evening. One channel is switched off at the set time. In the morning, both channels are switched on simultaneously and then switched off at sunset. You can select whether the channel that is switched off changes daily or on a specific week day.

- ① Select **PROGRAM CHANGE**.
- ② Select a specific week day or **DAILY**.
- ③ Set **HOURL**.

Channel lock - (2C only)

CONFIG

CHANNEL COM-
BINATION

CHANNEL LOCK

Channel lock prevents both channels from switching simultaneously.

If a channel is already switched on, the second channel does not switch on until the first channel is switched off and a wait time of 1 s has elapsed.

If both channels are switched on at the same time, channel 1 has priority.

Setting the PIN

CONFIG

PIN

A PIN protects against unauthorized use.

If you have forgotten your PIN, contact the Customer Care centre in your country, stating the serial number of your device.

- ① Select **WITH PIN**.
NO PIN cancels the PIN protection function.
- ② Confirm **CURRENT PIN**.
- ③ Set new PIN.



The PIN digits are set one after the other with +/- and confirmed with **OK**. A digit that has already been set can no longer be changed. When the last digit is confirmed with **OK**, the PIN is saved. If in any doubt, exit the PIN setting procedure with **MENU**.

Activating override and permanent switching

You can set override or permanent switching either via the **MANUAL** menu or using combinations of buttons on the device.

Override switching

If you wish to switch a channel briefly to the other switching state (e.g. from **ON** to **OFF**), activate override. This state is only valid until the next switching time.

If override is active, **OVERRI** appears briefly in the display.

Permanent switching

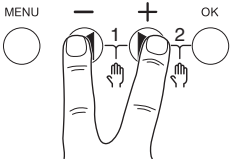
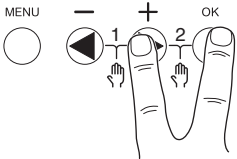
If you wish to switch a channel permanently, activate permanent switching. While permanent switching is activated, switching times have no effect.

If you want to select whether the channel is to be switched **ON** or **OFF** permanently, use the **MANUAL** menu.

If you use the button combinations to activate permanent switching, the channel is switched to the other switching state (e.g. from **ON** to **OFF**).

If permanent switching is active, **PERM** appears briefly in the display.

Button combinations

Channel	C1	C2
Buttons		
Activating override	Press buttons simultaneously	Press buttons simultaneously
Activating permanent switching	Press and hold buttons simultaneously for approx. 2 s	Press and hold buttons simultaneously for approx. 2 s
Cancelling override	Press buttons simultaneously	Press buttons simultaneously
Cancelling permanent switching	Press buttons simultaneously	Press buttons simultaneously

Resetting basic settings

You can reset the basic settings, such as date and time, etc., and delete or retain all switching times.

You have two options: You can load the factory settings via the **CONFIG** menu or reset the device by pressing specific combinations of buttons on the device.



Loading the factory settings deletes all switching times. If you reset the basic settings and wish to retain the switching times, use the Reset function.

Loading the factory settings

CONFIG

FACTORY SET-
TINGS

- ① Press **LOAD FACTORY SETTINGS**.
- ② Carry out the basic settings as described in the chapter "Initial setup".

Resetting

- ① Push all four buttons on the device simultaneously.
- ② Select the language.
- ③ If you want to retain the switching times, select **RETAIN PROGRAMS**.
- ④ If you want to delete all switching times, select **DELETE PROGRAMS**.
- ⑤ Set basic settings as described in chapter "Initial setup".

Programming with the memory stick

You can also set switching times, programs and functions with the Kit LTS Software (CCT15860) and transfer them to the device with the Memory stick (CCT15861).

When you plug the Memory stick into the slot, you can call the following menus:

COPY KEY-\$TSWI

Copies the switching times and settings from the Memory stick to the device.

COPY TSWI-\$KEY

Copies the switching times and settings from the device to the Memory stick.

RUN KEY

Activates the switching times set on the Memory stick. The switching times of the device are deactivated. When the memory element is removed, the switching times of the device are reactivated.

CHECK KEY

You can check the settings and programs on the Memory stick

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If you have technical questions, please contact the Customer Care Centre in your country.

schneider-electric.com/contact