

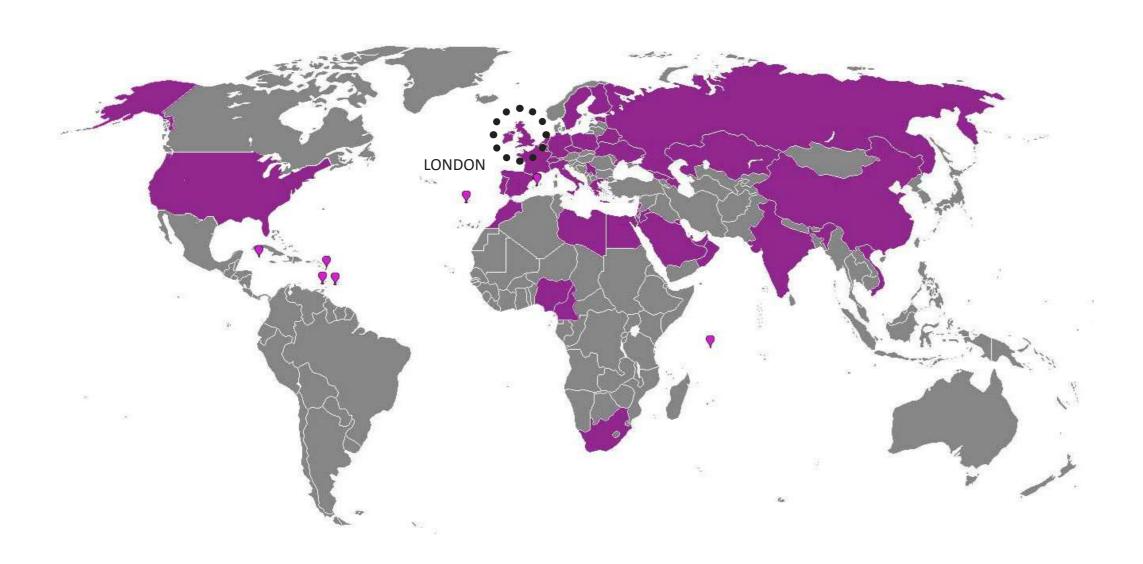
872 Ambassadors Hotel

4th May 2023

Façade Lighting Strategy

Our Practice

Project Range



Elektra is an independent lighting design consultancy with a continuous presence in the design industry since its founding in March 2000

We create lighting solutions for all architectural environments, specialising in the hospitality and retail sectors. Our portfolio includes world-leading hotel chains, and long and re-occurring collaboration with these has established Elektra as one of the top lighting consultancies.

Elektra praises individuality and design quality, developing lighting schemes to satisfy client's requirements, compliance with requirements and ensure great lighting design. Our careful attention to detail, knowledge of the construction industries across 4 continents and our creative inspiration ensures success.

You are only as good as your last project. To us, every project is unique and every project deserves the best.















VERSATILE

CONTEMPORARY

INNOVATIVE

FUNCTIONAL

INSPIRATIONAL

Our Practice



Contents

Mood Pages Inspiration
Overview

Façade Existing Photos

Proposed Visual Mood Images

Entrance Canopy Lighting Mood Images

Terrace Lighting

Mood Images

Lighting Calculations

Plan View Lux Levels Calculation False colour visual - Front View False colour visual - Woburn Walk

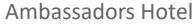
Controls

Scenes

Operational hours

Detail Design

Lighting Elevations
Lighting Details
Lighting Specification
Lighting Control
Schedule









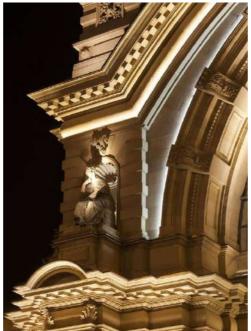


Accent

Welcoming

Heritage







Overview

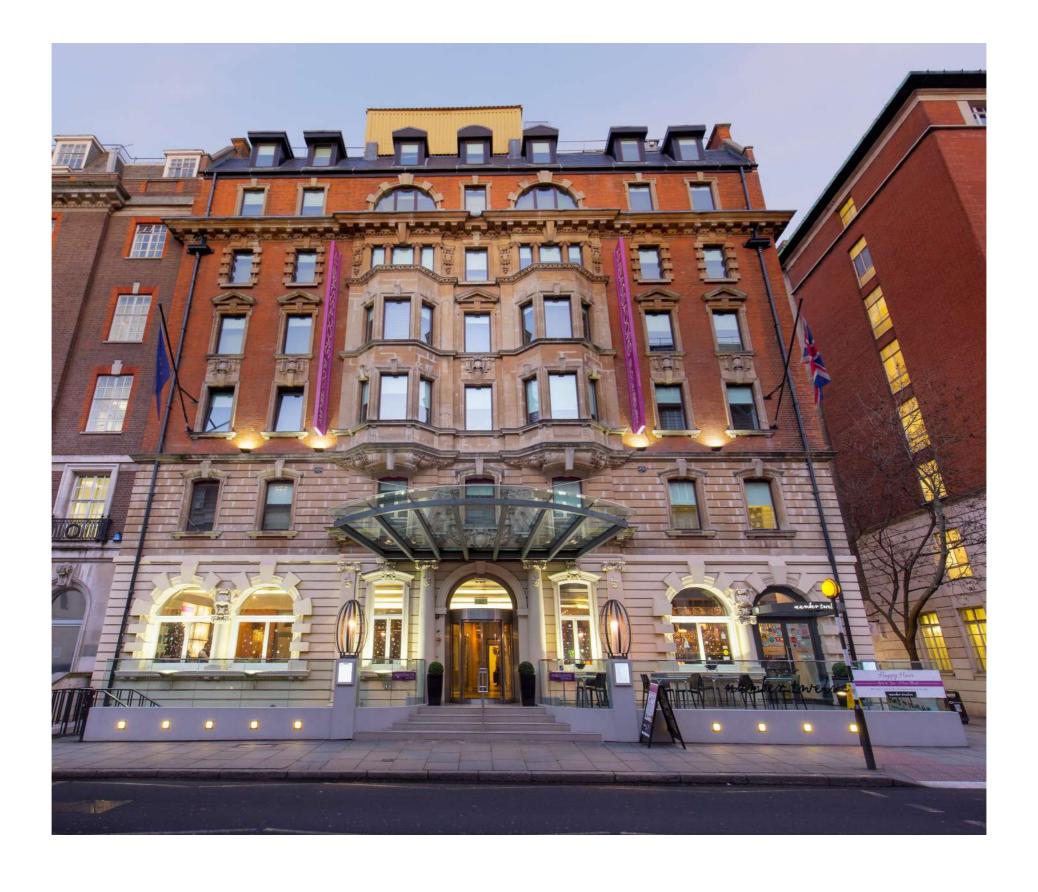
The existing façade lighting for Ambassadors Hotel is felt to be out of date. There is evidence of inefficient, high-powered fixtures being used. These fixtures have poor optical control causing a lot of unwanted light spill and high glare. Flood lights are used to ineffectively highlight signage and a few architectural elements.

The proposed façade lighting focuses on subtly highlighting the ornate heritage features and its materiality, whilst ensuring guests receive a warm and inviting feel. This is achieved by creating contrasts and drawing attention to the historic details. Elektra has ensured the approach is sympathetic to its surroundings with careful attention taken to prevent unwanted lighting pollution into the night sky or surrounding highway and properties. Existing lighting locations are being used where possible. The luminaires specified have been chosen for their adjustability and high optical control to ensure light spillage is reduced. All lighting specified is all energy-efficient LEDs and a minimum quantity as possible is being used.

Narrow beam uplights between windows and columns will enhance the form and texture of the stonework and frame the building. Lamps under the canopy highlight and draw guests into the entrance. An optically controlled wash of warm white light will be used to uplight the brick facade, drawing out the natural hues of the brickwork. For the signage lighting, the approach has been taken to integrate the lighting within the signage to help reduce the amount of unwanted light pollution.

An intelligent lighting control system will ensure that the scenes change according to a photocell over the course of the evening and into the night. The overnight setting will have a paired back, dimmed scene as the full façade will not be required to be lit all night. This will be an upgrade from the timer system currently in place, as the lighting will be in sync with the daylight shift.



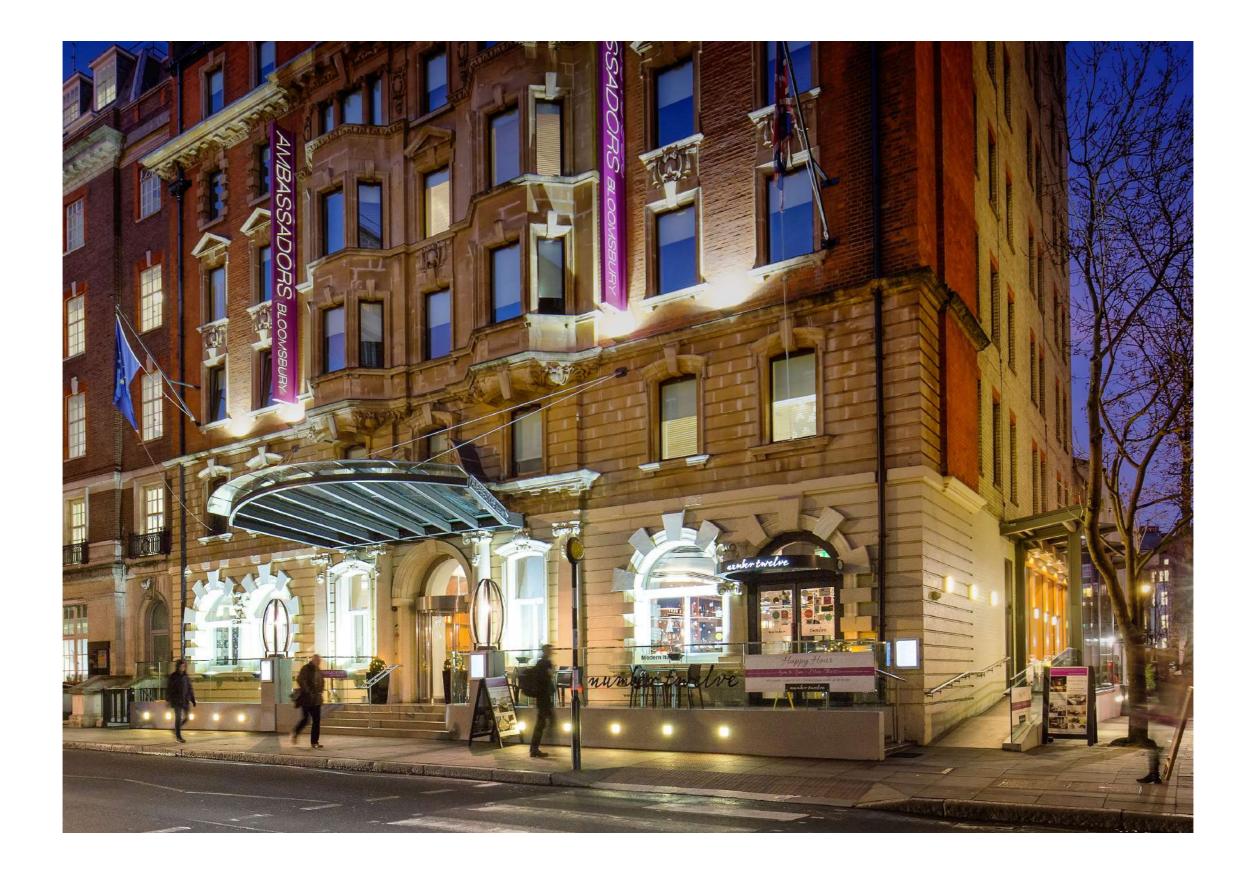






Existing Façade

Night Photo









Façade

Mood Images



Opal lamps mounted to entrance canopy frame to create a warm inviting feel



Uplights to accent architectural columns





Linear uplight to wash façade

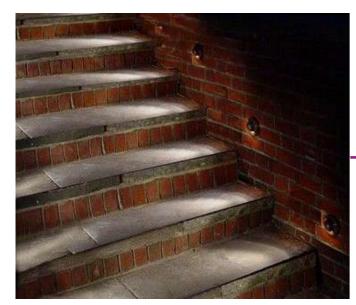


Spotlights to accent architectural details



Façade

Mood Images



Surface mounted step light for illumination leading to the entrance



Concealed linear uplight to accent window reveals



Lamps fixed to metal canopy structure to light restaurant entrance



Façade

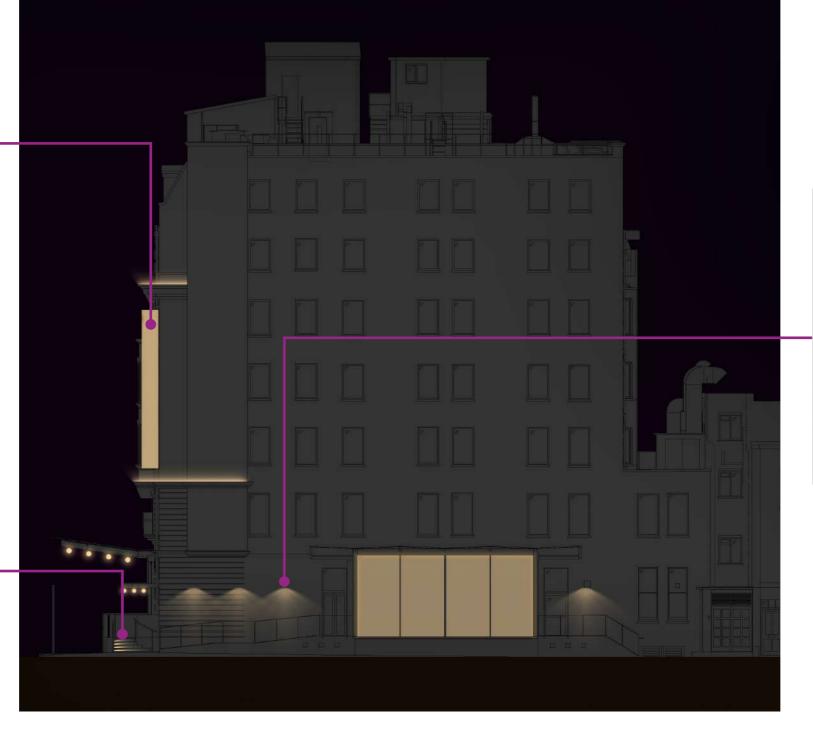
Mood Images



Illuminated signage (example)



Steps for better illumination leading to the terrace.





Wall light to side facade



Entrance Canopy Lighting

Lamp for a luxurious entrance



Canopy with opal / frosted lamps



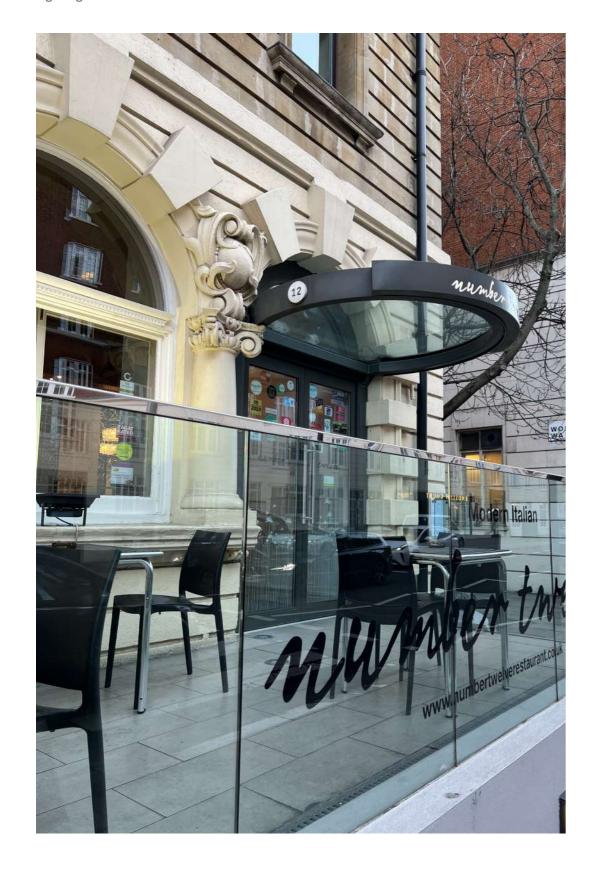
Tala Globe Lamp Matte White

Dimensions: 60mm x 108mm



Terrace Lighting

Lighting for the restaurant terrace -



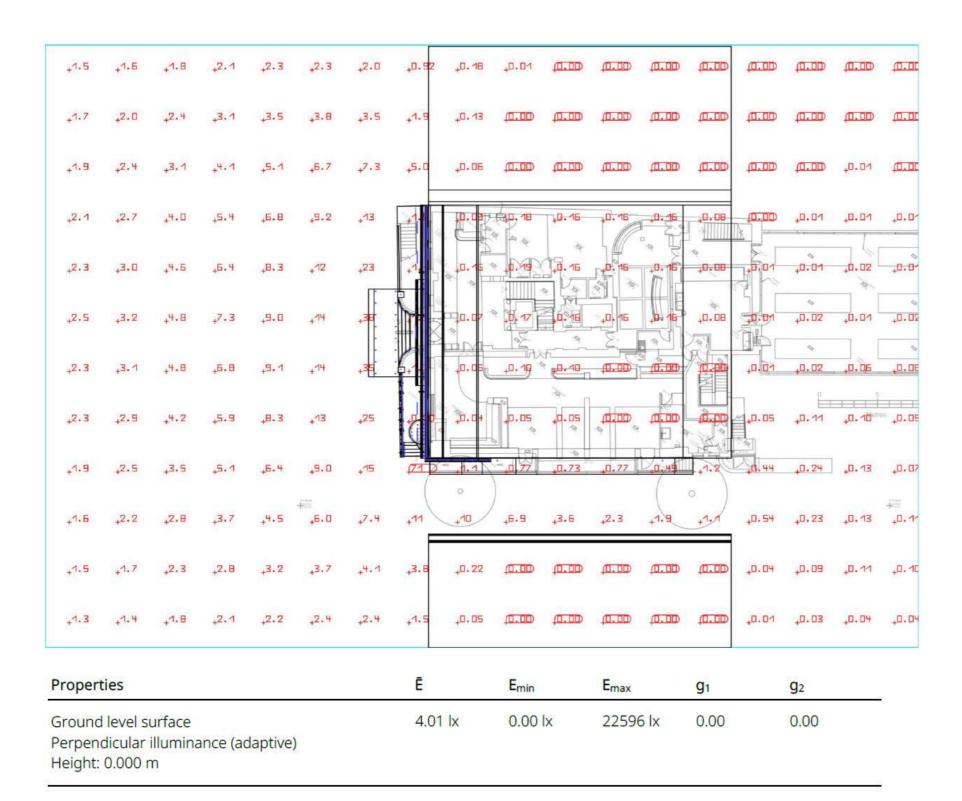


Linear uplight to future planting specified by ICA



Lighting Calculation

Plan view Lux Level Calculation



Plan View Lux Level Calculation

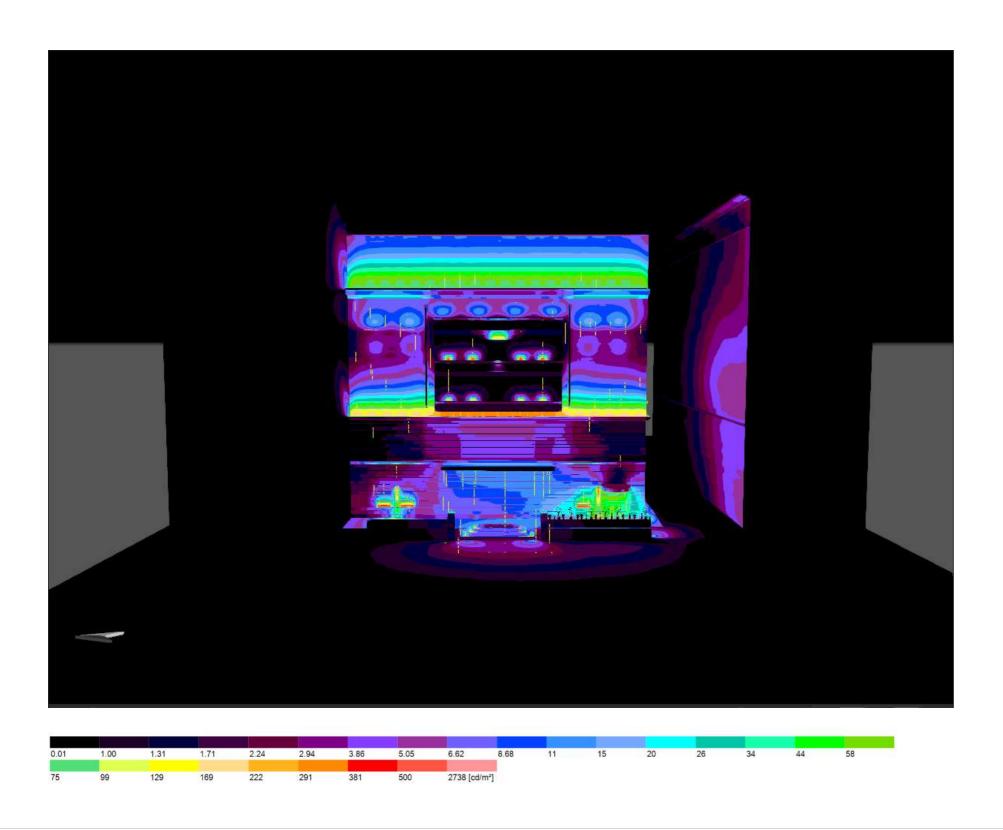
- There is minimal light spill onto the street with an average of 0.25cd/m^2 measured on the ground level surface. The diagram on this page indicates the calculated lux levels.
- It important to note other factors that will limit light spill. Currently this diagram shows the light fittings at 100% brightness, during the commissioning stage Elektra will dim the light levels for different scene settings.
- Planting has also been specified for the façade which will further limit light spill.
- To conclude there should be no impact to road safety or other dwellings.





Lighting Calculation

False Colour Visual - Front View



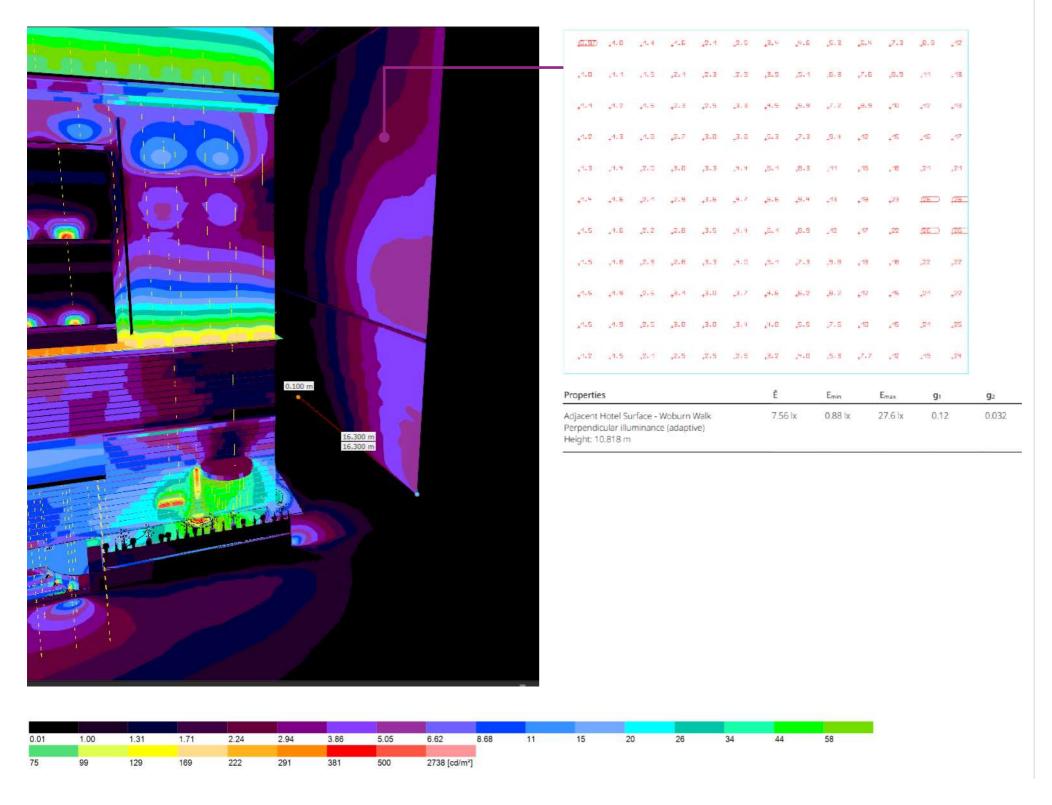
Front View:

- The exposed main entrance stairs are illuminated by the step lights and overhead lamps to an average of 43.2cd/m². These values providing sufficient lighting to guide visitors up the stair.
- The entrance terrace seating area is also illuminated by overhead lamps on the side entrance and linears integrated into the windows. This creates an average of 32.5cd/m^2 .
- In between the cordons there will be spotlights that illuminate the windows with linears at the base of the cordons. This creates an average of 20.1cd/m².
- On the neighbouring UCL Bartlett Library façade to the left there is minimum light spill as an average of 0.3cd/m² is calculated on this surface.



Lighting Calculation

False Colour Visual - Woburn Walk



Woburn Walk:

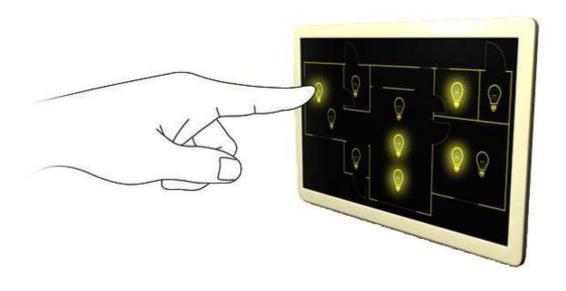
- There is minimal light spill on Woburn Walk and the adjacent hotel as there is a calculated average of 1.68cd/ m^2 on this surface. Beyond 16m from the front of the façade there is no light spill.
- The diagram on the right indicates the lux levels calculated on the elevated surface of the adjacent hotel on Woburn Walk.

Façade Lighting Concept



Lighting Control

Scene Setting



Control

An intelligent lighting control system will be programmed to control the lighting.

Lighting will be programmed in a series of pre-set scenes, suitable for different times of day. These will be automatically selected via timers to come on at the correct time of day and so free staff from operating the lighting.

The system will be predominantly DALI, although a mix of other protocols might be needed for some elements - such as trailing edge for decorative elements.

Information fed from light level sensors, motion detectors and manual overrides will also be used to fine tune the program.

Additional benefits of a control system are:

- Reducing the power consumption
- Increasing the lifetime of the lamps
- Decreasing maintenance costs for lamp replacement
- Improving visual comfort
- Provide general overview of the lighting in all areas from a central location for control and maintenance

Scenes

Lighting will be pre-programmed following the requirements of the project.

Each area will be individually set to optimum levels for the use and time of day, creating perfect lighting at all times.

The number of scenes will vary by area and can be finalised at opening. Our initial proposals would be:

- Dusk All façade and landscape lighting is turned on.
- Evening Façade and landscape lighting is dimmed down slightly.
- Night All lighting is dimmed to a minimum to ensure physical and perceived safety.

Operational Hours

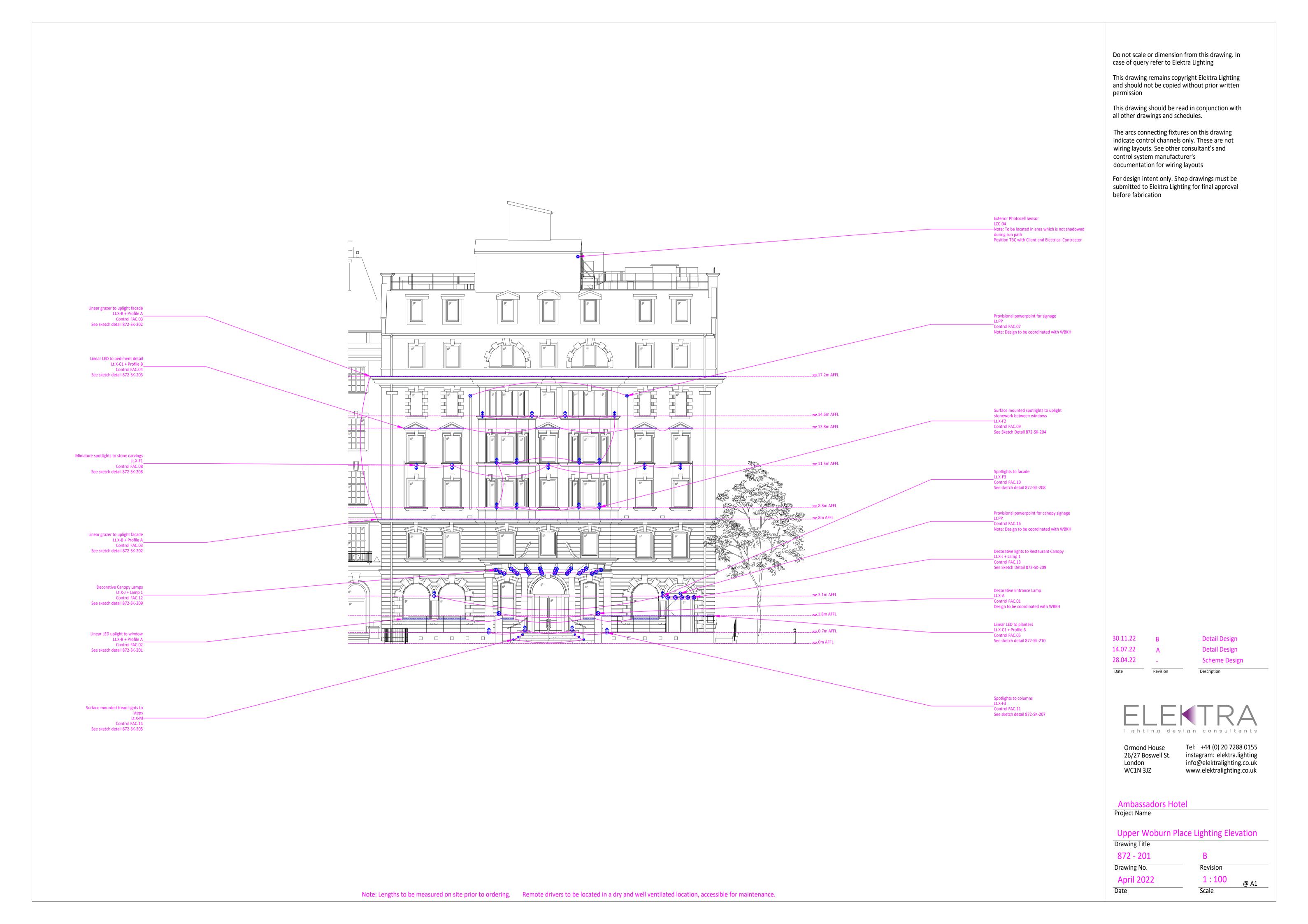
The operating hours will be 1 hour before dusk to midnight. Dusk will vary according to the changing times of sunset and sunrise throughout the seasons.

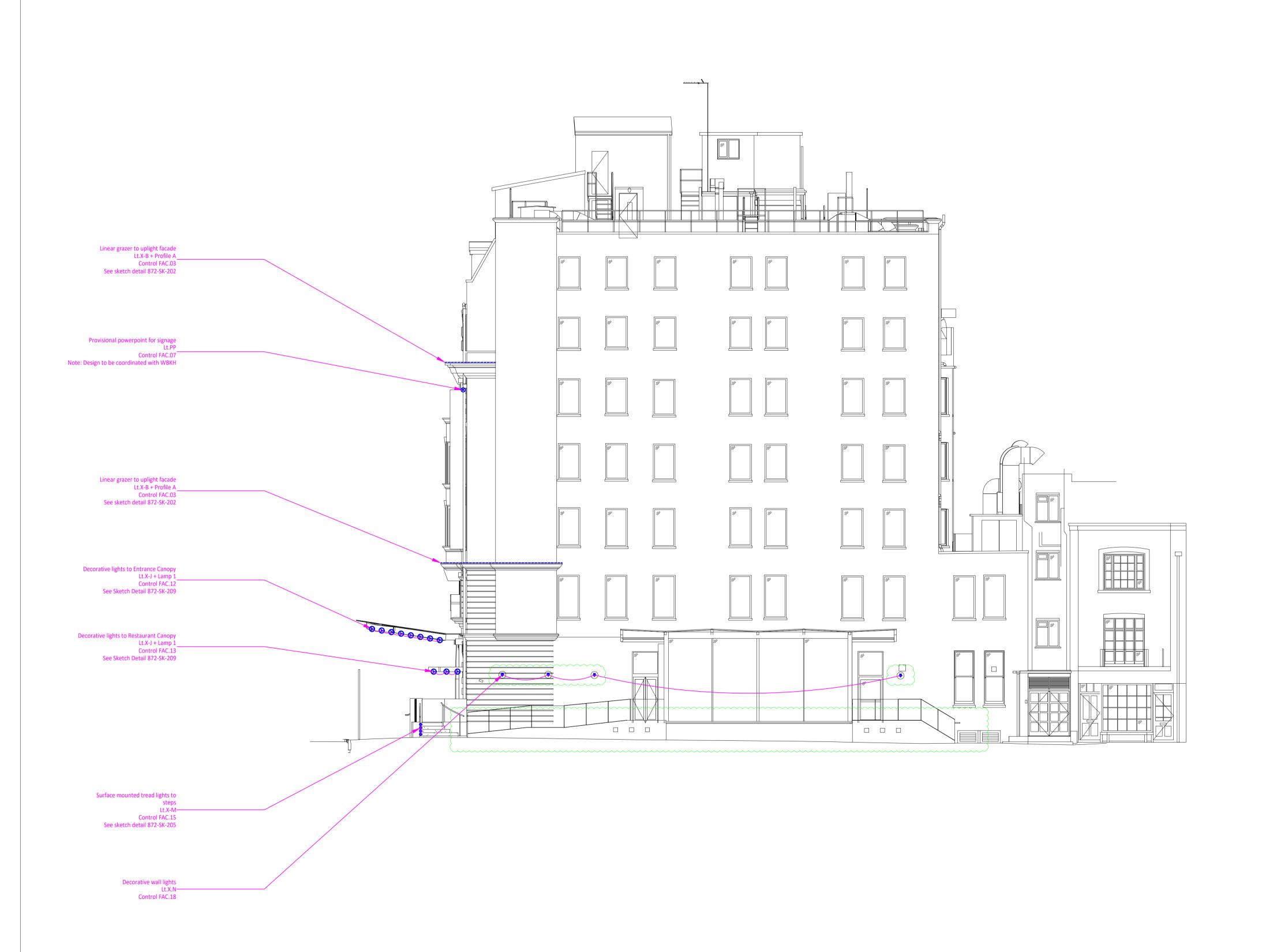
After midnight the façade lighting will be turned off apart from signage, step lights and canopy lighting to allow for way-finding and safety. They will be dimmed to a low level as to not be too obtrusive to the surrounding environment.











Do not scale or dimension from this drawing. In case of query refer to Elektra Lighting

This drawing remains copyright Elektra Lighting and should not be copied without prior written permission

This drawing should be read in conjunction with all other drawings and schedules.

The arcs connecting fixtures on this drawing indicate control channels only. These are not wiring layouts. See other consultant's and control system manufacturer's documentation for wiring layouts

For design intent only. Shop drawings must be submitted to Elektra Lighting for final approval before fabrication

27.04.23CDetail Design30.11.22BDetail Design14.07.22ADetail Design28.04.22-Scheme Design

Date Revision De



Ormond House 26/27 Boswell St. London WC1N 3JZ Tel: +44 (0) 20 7288 0155 instagram: elektra.lighting info@elektralighting.co.uk www.elektralighting.co.uk

Ambassadors Hotel

Project Name

Woburn Walk Lighting Elevation

Drawing Title

872 - 202 C

Drawing No. Revision

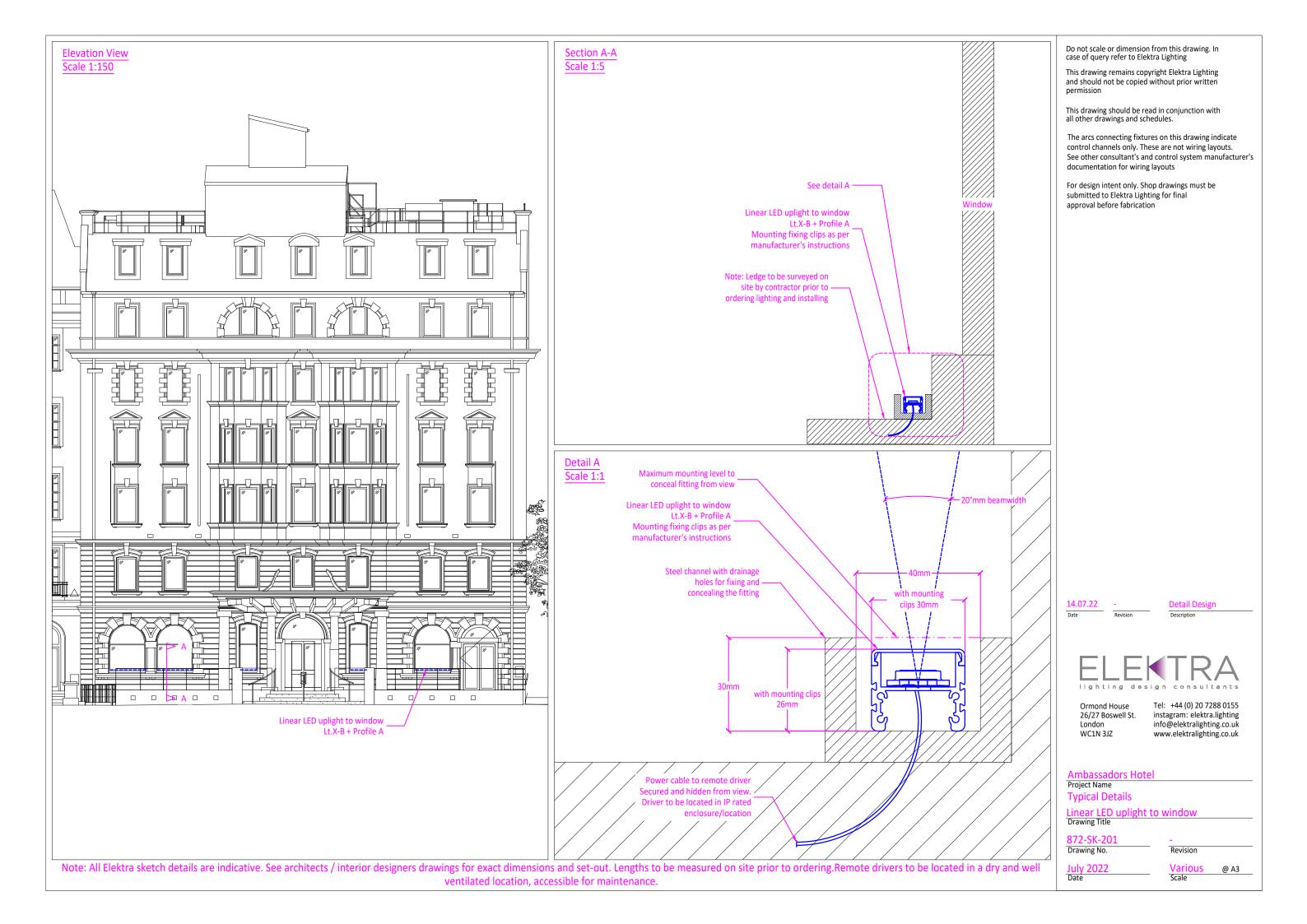
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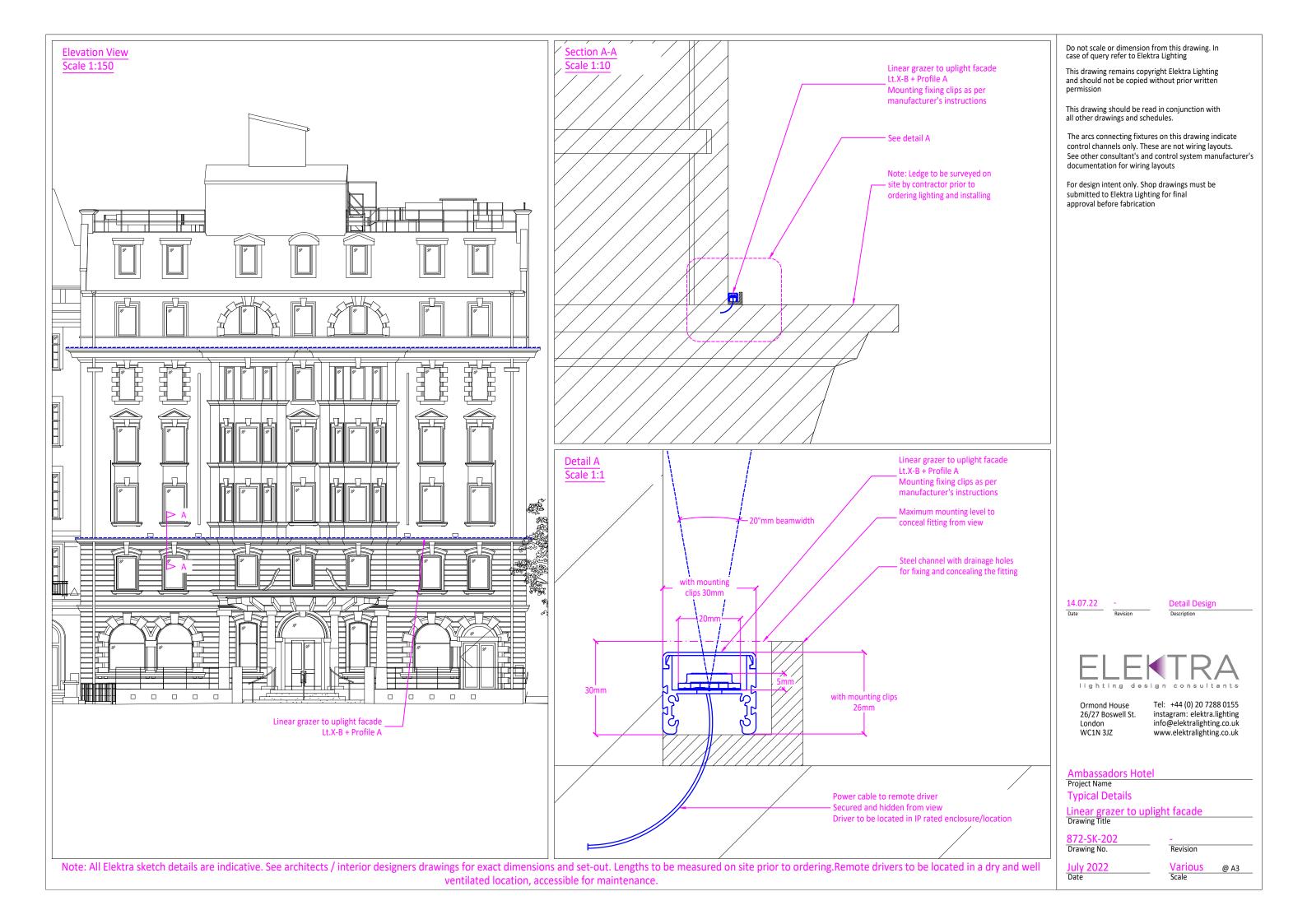
April 2023

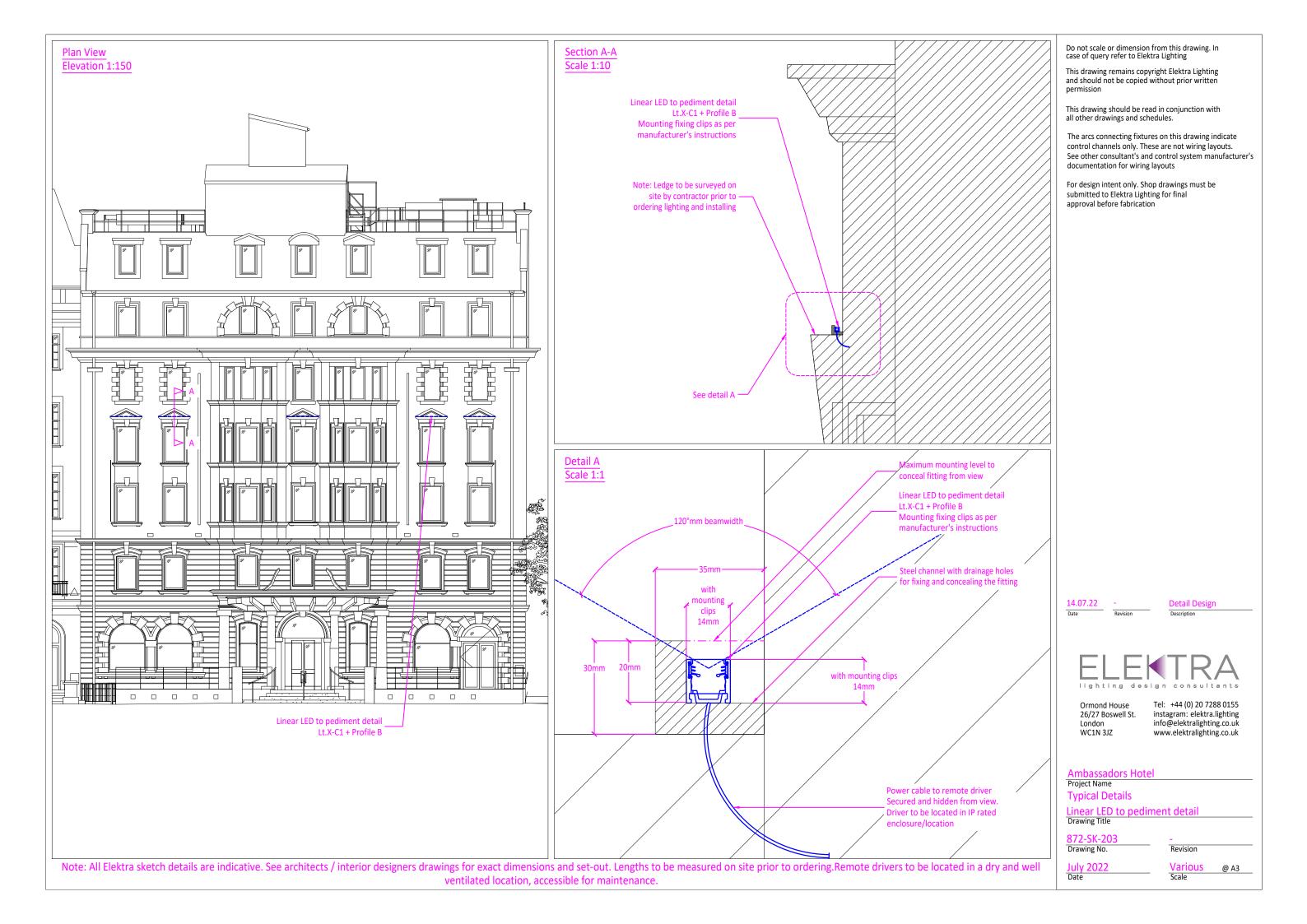
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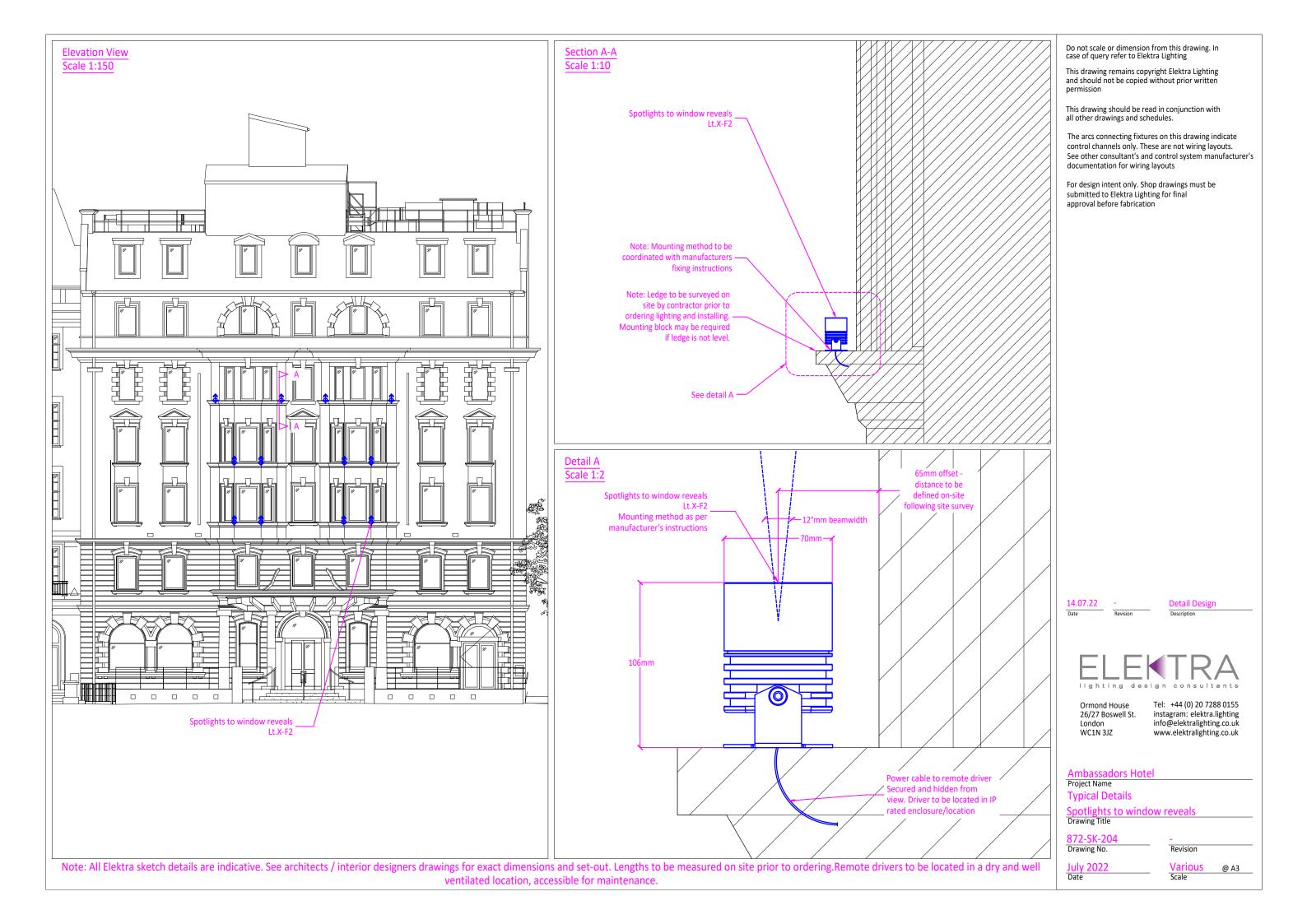
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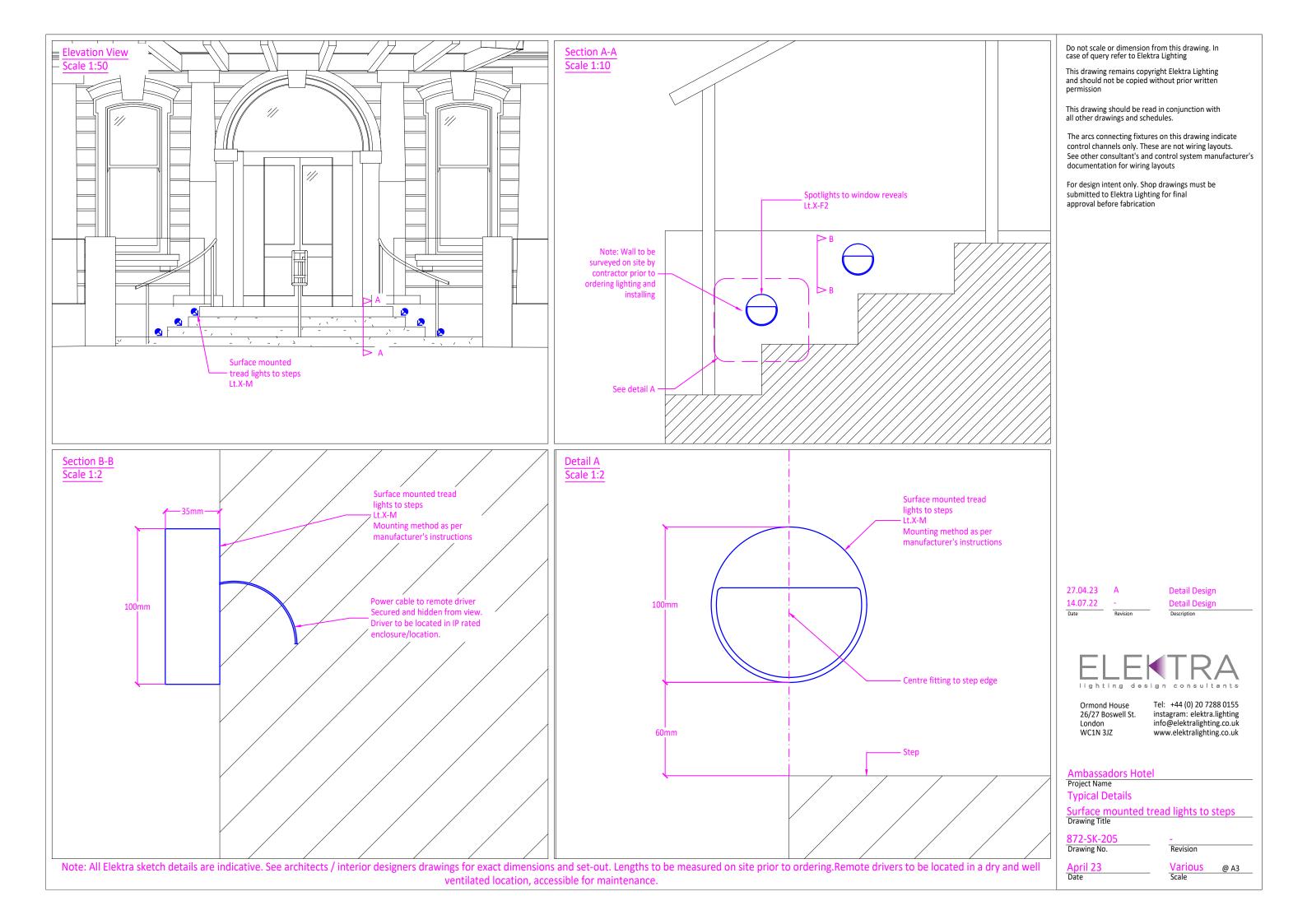
Date

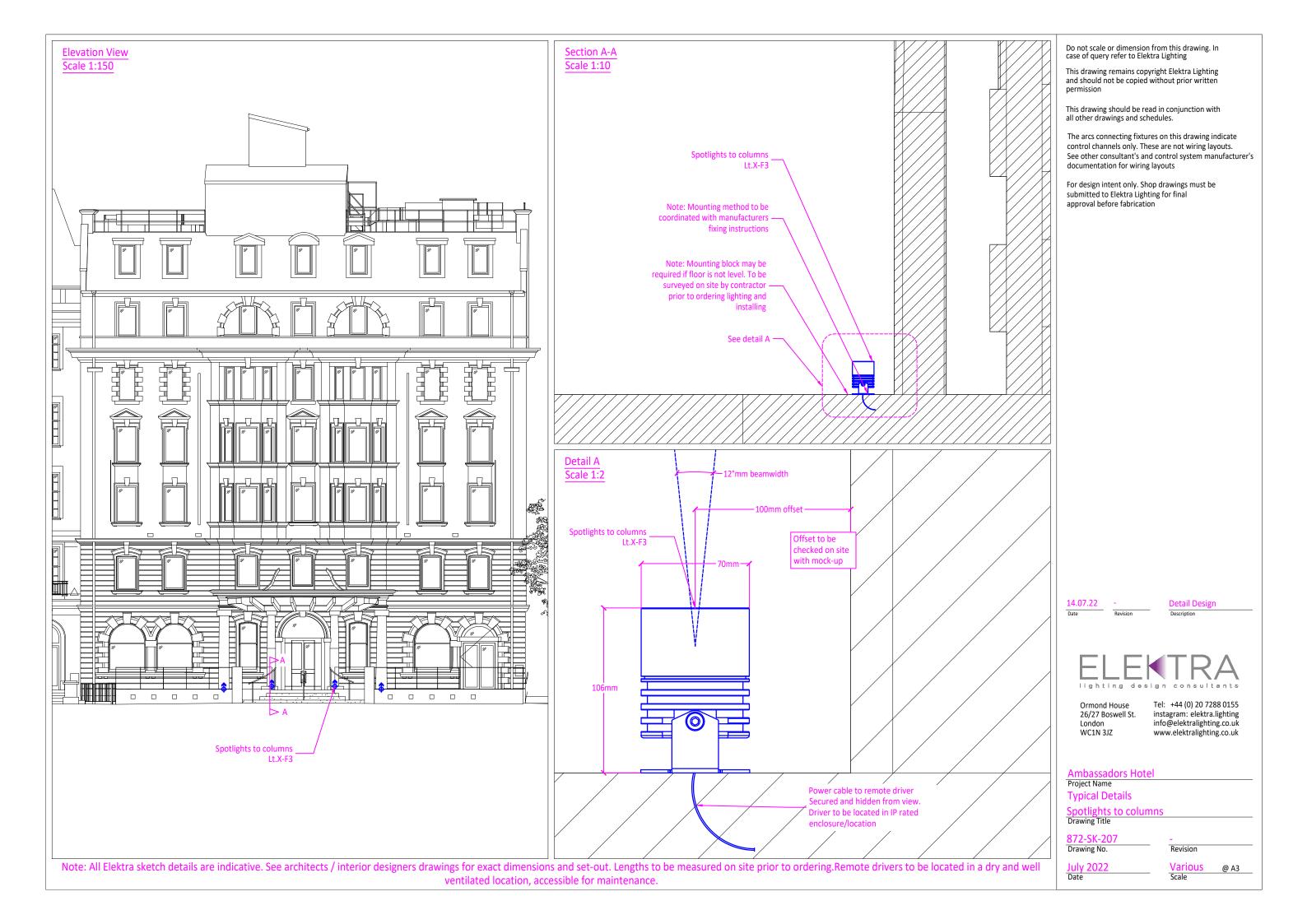


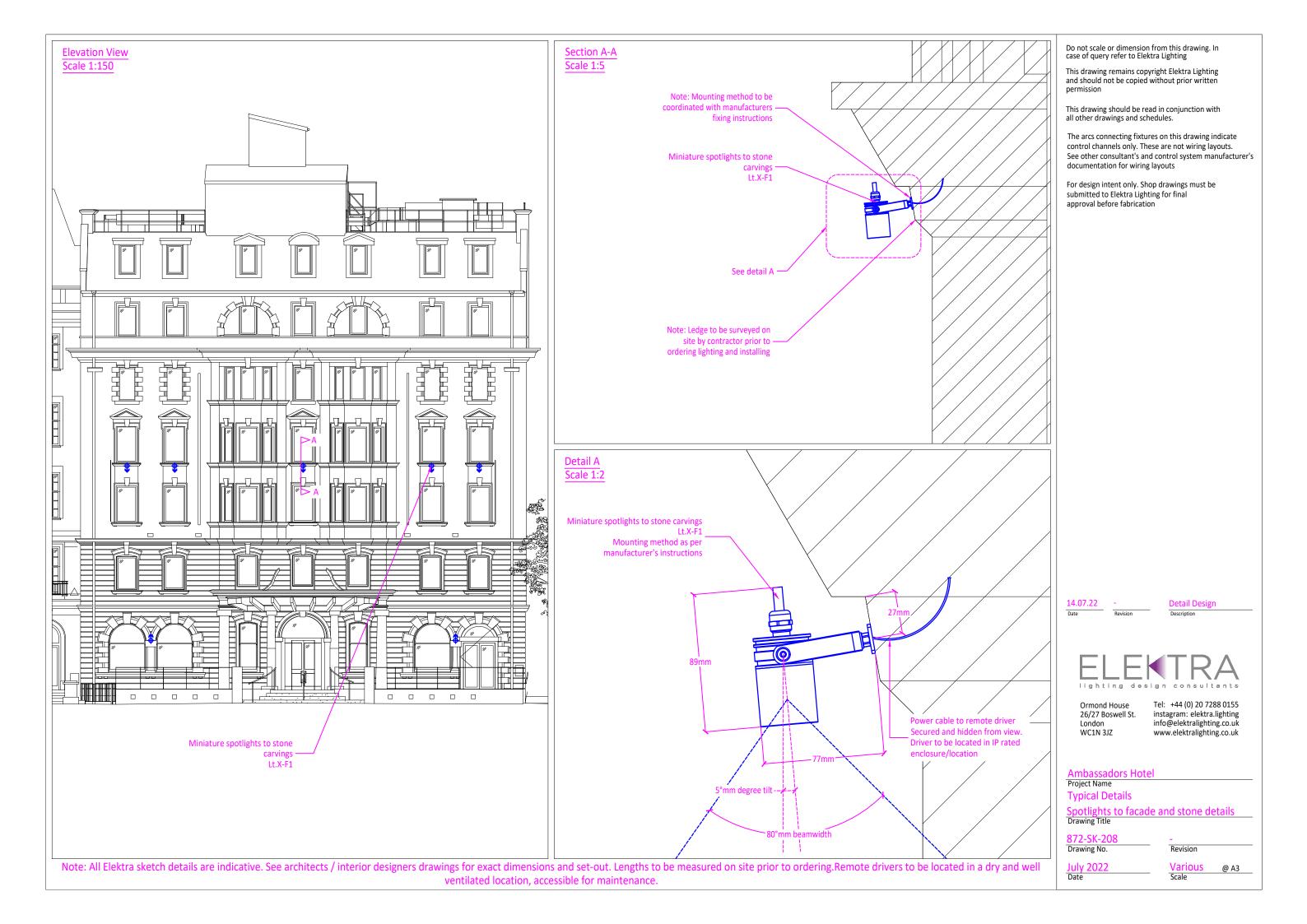


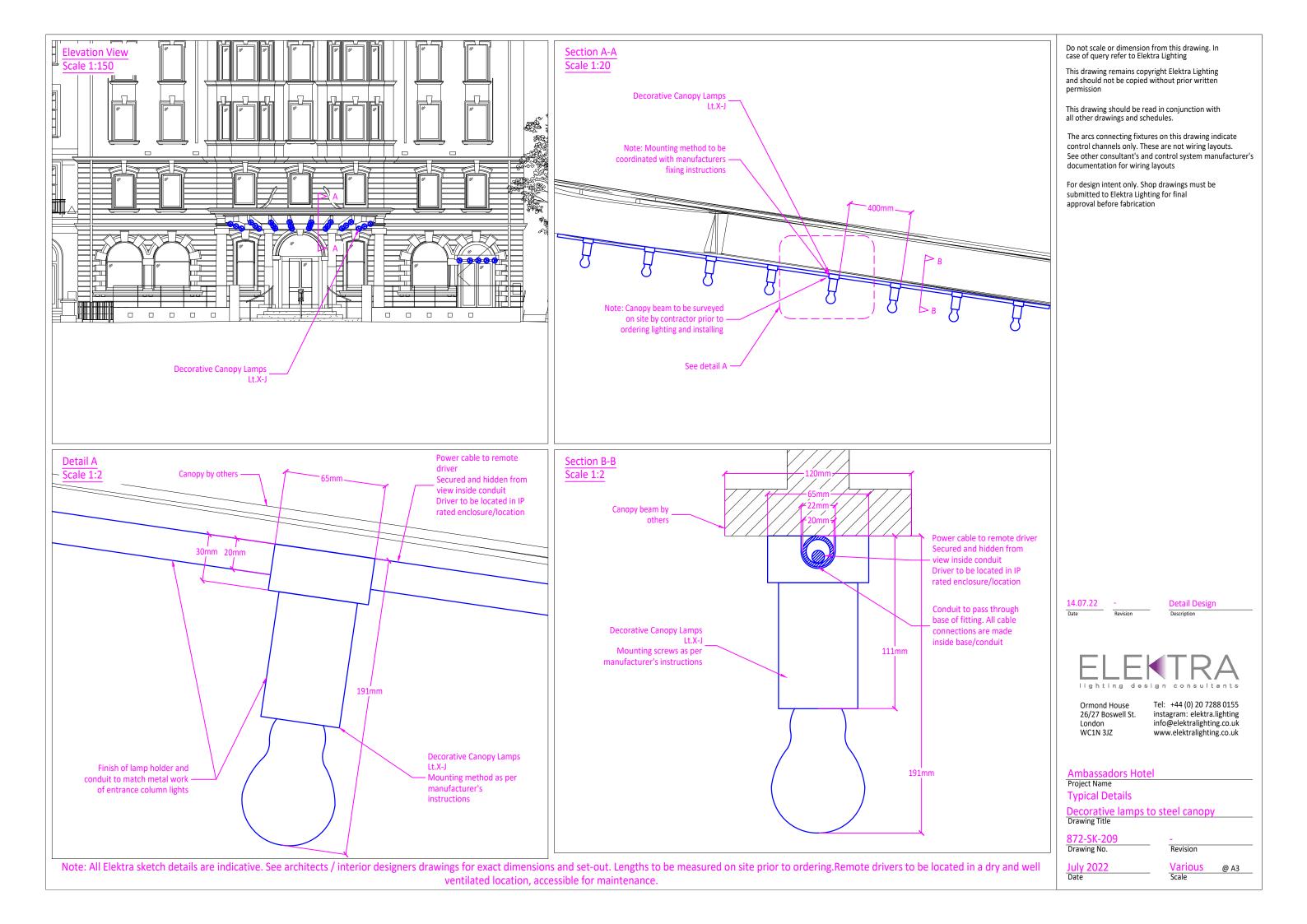


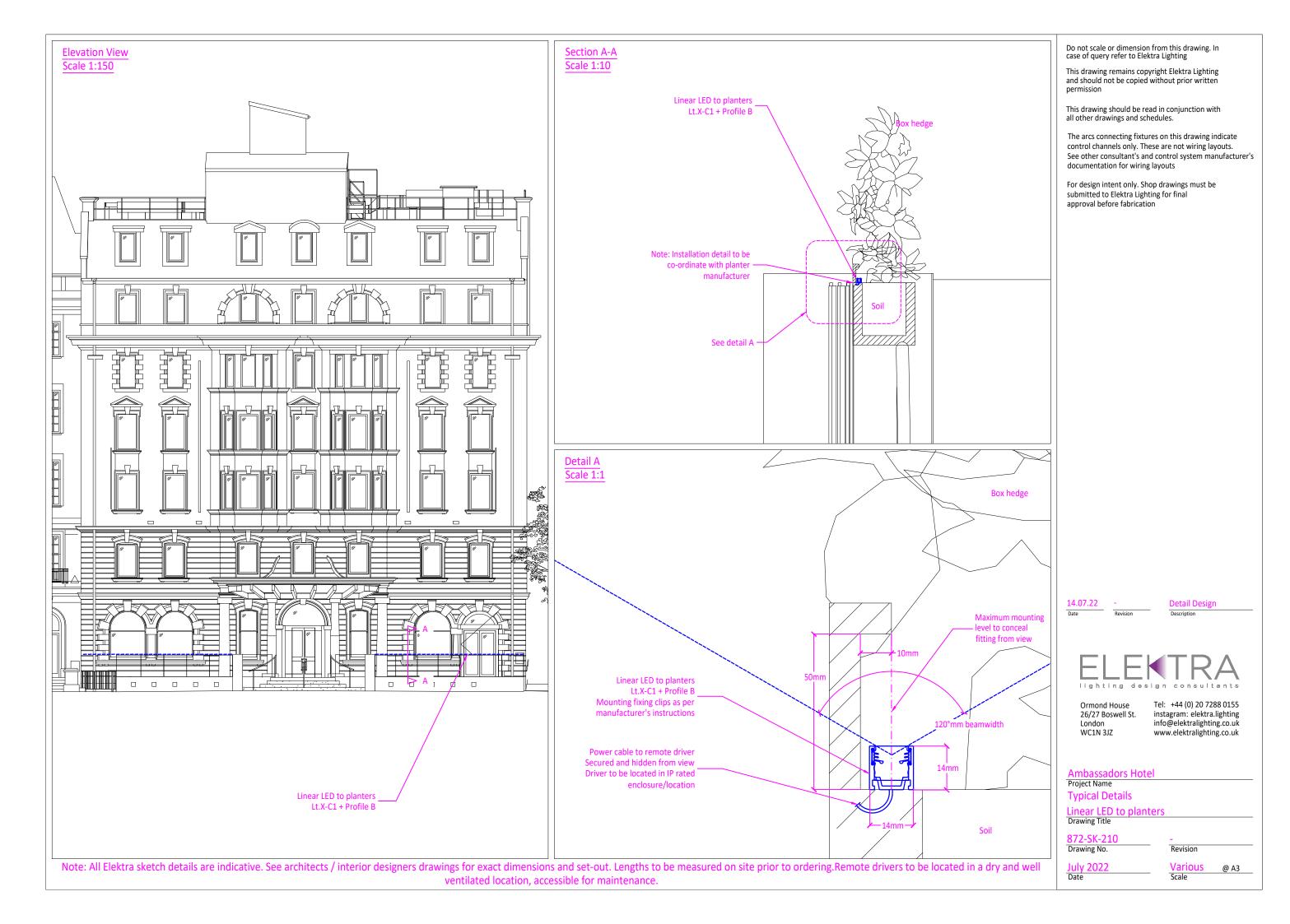












ELEKTRA **EXTERIOR LUMINAIRE SPECIFICATION** PROJECT NAME **Ambassadors Hotel** DATE: 27.04.2023 PROJECT NUMBER 872 **REVISION:** D The Luminaire Specification (Appendix A) is to be read in conjunction with the Specification document. All of the luminaires listed for the project are described in this document. In addition, several of the luminaires are repeated at the end of this section, in order to provide duplicate specifications. These duplicates are denoted by an asterisk (*) after them. For example, Light N is noted in the main section as made by Absolute Action. At the rear of this section, N* suggests Flair Lighting as an alternative manufacturer. The contractor should make clear which he intends to use in his / her return. This section details all the luminaires which need to be supplied and installed as part of the contract. Do not substitute or change these fittings without written consent. If fittings are substituted, you will need to remove the new fittings, replace with the correct ones as specified and make good, at no expense to the client.

LUMINAIRE SPECIFICATION ISSUE SH	ELEMTRA	
PROJECT NAME	Ambassadors Hotel	
PROJECT NUMBER	872	

	SPECIFICATION SHEET CHANGES																	
			REVISION															
LUMINAIRE REF	MANUFACTURER	DESCRIPTION	21 April 2022	28 April 2022	07 July 2022	27 April 2023												
		✓														\rightarrow		
X.A Lamp 1	FF&E Item Tala Studios	Decorative lighting, FF& E item LED filament lamp, E27 matte white, 2700K	✓															
Lamp 2	Tala Studios	LLD mament ramp, L27 matte white, 2700k	✓															
X.B	LEDFlex	Linear grazer to uplight façade, 2700K, IP67	✓			Α												
X.C1	LEDFlex	Neon flex to stone lintel above windows, 2700K, IP67	✓			Α												
X.C2			✓															
X.D	LEDFlex	Linear LED to signage, 2700K, IP67	✓			Α												
X.F1	Light projects	Miniature spotlight to stonework details, 2700K, IP67	✓			Α												
X.F2	Light projects	Medium output, surface mounted spotlight, 2700K, IP67	✓			А												
X.F3	Light projects	High output, surface spotlight, 2700K, IP67	✓	Α		В												
X.G																		
X.H			✓															
X.J	Original BTC Limited	IP rated lamp holder & lamp to main canopy	✓															
X.K																		
X.M	Mr. Resistor	Step light, surface mounted, 2700K, IP54			✓	Α											4	
X.N	Lightgraphix	Wall washer, wide beam, 2700K, IP67				✓												

PROJECT NAME Ambassadors Hotel LIGHT REF: Lt.X.A PROJECT NUMBER 872 REVISION: LUMINAIRE DESCRIPTION AND LOCATION Light A is a general specification for decorative items that are specified by Interior Designer For manufacturer / supplier please refer to Interior Designer's specifications These lights are to be supplied and installed by the electrical contractor as part of this contract

MANUFACTURERS ILLUSTRATION / DETAILS

No details are given here.

Refer to Interior Designer's specifications for details
All lights are to be supplied and installed as part of this contract

All power and electrical works are to be installed as part of this contract

Quantities are as shown on Elektra drawings. In case of discrepancy with Interior Designer specification or drawings, seek clarification with Elektra or Interior Designer

Note: if lights are supplied with integral dimmers, these should be removed if the channels are to be powered via a central control system.

Note: if the lights are to be powered via a central control system, a different plug (for example using a turned earth connector) is to be used to prevent socket being used to connect other electrical appliances such as Vacuum Cleaners in, which may damage the control system

All light must be dimmable.

ACCESSORIES REQUIRED

See Interior Designer's specification for accessories

In addition, some luminaires require electrical socket outlets and / or floor outlets. These are shown on Elektra drawings where required.

MANUI	FACTURER/SUPPLIER	LUMINAIRE DATA
Refer to Interior Designer's	specification	Refer to Interior Designer's specification
		LAMP DATA
Lamp type:	Refer to Interior Design	er's specifications. If not noted, use highest wattage lamp possible.
Lamp reference:		
Manufacturer:		
Lamp Base:		
Supply voltage:		
Transformer voltage:		
Lamp life:		
Colour temperature:		
NOTES: Refer to n	nanufacturer's installation and	d operation instructions

EXTERIOR LUMINAIRE SPECIFICATION



PROJECT NAME	Ambassadors Hotel	LIGHT REF:	Lamp 1
PROJECT NUMBER	872	REVISION:	-

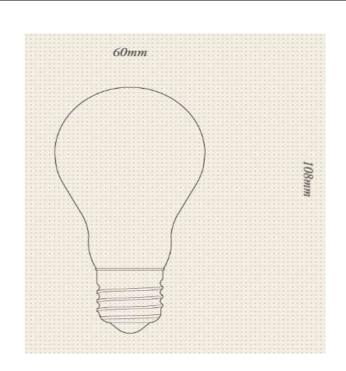
LUMINAIRE DESCRIPTION AND LOCATION

LED filament lamp, E27 matte white, 2700K

This is the replacement lamp that should be used in the decorative fittings for Lt. J

MANUFACTURERS ILLUSTRATION / DETAILS





ACCESSORIES REQUIRED

Compatible with most trailing and leading edge dimmers See Interior Designer's FF&E specification for lamp sockets

LUMINAIRE DATA

Tala Studios 25b Vyner Street[®] London, E2 9DG Ref: Globe Matte White GLOB-6W-2700K-E27-MP
Dimensions: As above
Dimmable: Yes
IP Rating: IP54

w: www.tala.co.uk

m: +44 (0) 7752 747 698 contact: Amy Elstow e: amy@tala.co.uk

LAMP DATA

Lamp type: E27 Matte White 4W LED

E27

Operating Current/Voltage: 220-240V
Load (Luminaire/Lamp): 6W
Luminous Flux (Lamp): 480 Lm
Luminous Flux (Luminaire): N/A
LEF: 80 lm/w
Life: 30,000 Hrs

Colour Temperature: 2700K
Colour Rendering Index: Ra95
Beam Angle: 360 °

Operating Temp. -5 to + 40 degrees Celsius

NOTES:

Lamp Base:

LED technology is changing very rapidly; although at time of specifying this is the most suitable product, this may not be the case for long. Please do not order this before seeking confirmation from Elektra Lighting that it is still the most up to date product.

Refer to manufacturer's installation and operation instructions

EXTERIOR LUMINAIRE SPECIFICATION



PROJECT NAME	Ambassadors Hotel	LIGHT REF:	Lt.X.B
PROJECT NUMBER	872	REVISION:	Α

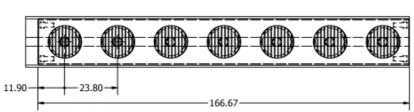
LUMINAIRE DESCRIPTION

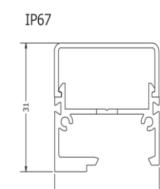
Linear grazer to uplight façade, 2700K, IP67

MANUFACTURERS ILLUSTRATION / DETAILS

IP67







Profile A



ACCESSORIES REQUIRED

Name

Remote DALI driver(s) as recommended by manufacturer, and compatible with lighting control system.

IP rated box required for power supply if located externally

Profile A: Profile base: FG-PB, Square cover: FG-FC

MANUFACTURER/SUPPLIER

LUMINAIRE DATA

Flexi Grazer Oval

LEDFlex Unit 6 Southbrook Mews

Ref FGO245|27|803|23 Tilt & Rotate London Finish

w: www.led-flex.co.uk t: 02031377305

Dims as above Cut-out as above

contact: Damian Borkowski d.borkowski@ledflexgroup.com Req. Depth **IP Rating** IP67

LAMP DATA

LED Lamp type: Operating Current/Voltage: 24V DC

Colour Temperature: 2700K Colour Rendering Index: Ra80 Beam Angle: 20x45

Load (Luminaire/Lamp): 23W Luminous Flux (Lamp): Luminous Flux (Luminaire): 2300lm

Operating Temp. -25 - + 45 degrees Celcius

LEF: 100L.lm/W Life: 50,000Hrs L B

Weight

NOTES:

LED technology is changing very rapidly; although at time of specifying this is the most suitable product, this may not be the case for long. Please do not order this before seeking confirmation from Elektra Lighting that it is still the most up to date product.

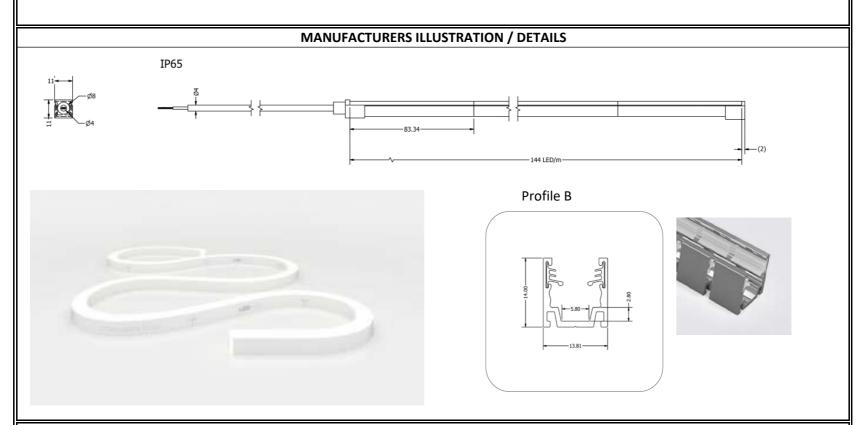
Refer to manufacturer's installation and operation instructions

PROJECT NAME Ambassadors Hotel PROJECT NUMBER 872 EXTERIOR LUMINAIRE SPECIFICATION LIGHT REF: Lt.X.C1 REVISION: A

LUMINAIRE DESCRIPTION

Neon flex to stone lintel above windows, 2700K, IP67

date product.



ACCESSORIES REQUIRED

Remote switched driver(s) as recommended by manufacturer, and compatible with lighting control system. Profile B: 013-4030 Ultimo 10 Flexible Grip Profile

Refer to manufacturer's installation and operation instructions

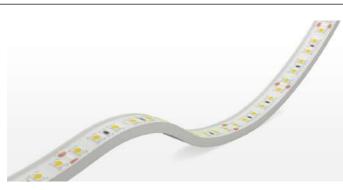
MANUFACTURER/SUPPLIER LUMINAIRE DATA									
LEDFlex		Name	High Lumen	Ultimo neon Silicone 10 SV					
Unit 6		Ref	012-2162-SL						
Southbrook Mews		Tilt & Rotate	-						
London		Finish	-						
w: www.led-flex.co.uk		Dims	as above						
t: 02031377305		Cut-out	as above						
m:		Req. Depth	-						
contact: Damian Borkowski		IP Rating	IP67						
d.borkowski@ledflexgroup.cor	m								
		LAMP DATA							
Lamp type:	LED								
Operating Current/Voltage:	24V DC	Colour Temper	rature:	2700K					
Load (Luminaire/Lamp):	9 W	Colour Render	ing Index:	Ra84					
Luminous Flux (Lamp):	-	Beam Angle:		120degrees					
Luminous Flux (Luminaire):	531lm/m	Operating Tem	np.	-40 to + 45 degrees Celcius					
LEF:	59L.lm/W								
Life:	50000 Hrs L B								
Weight	<u> </u>								
NOTES: LED technolog	gy is changing very rapidly;	; although at time of spe	cifying this is th	ne most suitable product, this may not be					
the case for lo	the case for long. Please do not order this before seeking confirmation from Elektra Lighting that it is still the most up to								

EXTERIOR LUMINAIRE SPECIFICATION Lt.X.D PROJECT NAME **Ambassadors Hotel** LIGHT REF: 872 PROJECT NUMBER **REVISION:** Α

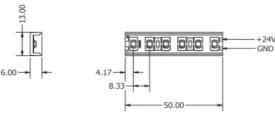
LUMINAIRE DESCRIPTION

Linear LED to signage, 2700K, IP67 Re-lamp existing signage lighting

MANUFACTURERS ILLUSTRATION / DETAILS







ACCESSORIES REQUIRED

Remote DALI driver(s) as recommended by manufacturer, and compatible with lighting control system.

IP rated box required for power supply if located externally

MANUFACTURER/SUPPLIER		LUMINAIRE DATA
	Name	Hvdro Line 120

LEDFlex Unit 6

Southbrook Mews London

w: www.led-flex.co.uk t: 02031377305

contact: Damian Borkowski d.borkowski@ledflexgroup.com Ref 011-8001 Tilt & Rotate Finish Dims as above Cut-out Req. Depth

LAMP DATA

IP Rating

LED Lamp type:

Operating Current/Voltage: 24V DC Load (Luminaire/Lamp): 9.6 W Luminous Flux (Lamp):

Luminous Flux (Luminaire): 862lm/m LEF:

89.79 L.lm/W Life: 50,000 Hrs L B Weight

Colour Temperature: 2700K Colour Rendering Index: 98 Ra

IP67

120 degrees Beam Angle:

-25 to +55 degrees Celcius Operating Temp.

NOTES:

LED technology is changing very rapidly; although at time of specifying this is the most suitable product, this may not be the case for long. Please do not order this before seeking confirmation from Elektra Lighting that it is still the most up to date product.

Refer to manufacturer's installation and operation instructions

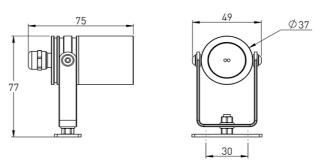
PROJECT NAME Ambassadors Hotel PROJECT NUMBER 872 ELECTRA LIGHT REF: Lt.X.F1

LUMINAIRE DESCRIPTION

Miniature spotlight to stonework details, 2700K, IP67

MANUFACTURERS ILLUSTRATION / DETAILS





LEDSSTAR 1 SPOTLIGHT FIXED CABLE OPTION

ACCESSORIES REQUIRED

Remote DALI driver(s) as recommended by manufacturer, and compatible with lighting control system.

Refer to manufacturer's installation and operation instructions

DALI driver IP66 700mA: 421848-700-30 (max. 3 fittings can be wired in series)

Half tube cowl: 247-1627-5C (Special RALs available)

date product.

80 degree diffuser: 247-1660-80

MANUFAC	TURER/SUPPLIER		LUMINAIRE DATA				
Light projects		Name	LEDStar1 M	K3 Spotlight			
1st Floor, 23 Jacob St		Ref	45008030-0-	-927-80-5C			
London		Tilt & Rotate	-				
		Finish	Bronze Anoc	dised TBC (Special RALs available)			
		Dims	as above				
www.lightprojects.co.uk		Cut-out	-				
t: 020 7231 8282		Req. Depth	-				
contact: Charlie Wadsworth		IP Rating	IP67				
e: caw@lightprojects.co.uk							
		LAMP DATA					
Lamp type:	LED						
Operating Current/Voltage:	1050mA	Colour Tempe	rature:	2700K			
Load (Luminaire/Lamp):	3 W	Colour Render	ring Index:	90 Ra			
Luminous Flux (Lamp):	275 lm	Beam Angle:		80 degrees			
Luminous Flux (Luminaire):	-	Operating Ten	np.	-20 to +40 degrees Celcius			
LEF:	75 L.lm/W						
Life:	50,000 Hrs L B						
Weight	0.15kg						
	gy is changing very rapidly;	although at time of spe	cifying this is tl	he most suitable product, this may not b			

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the case for long. Please do not order this before seeking confirmation from Elektra Lighting that it is still the most up to

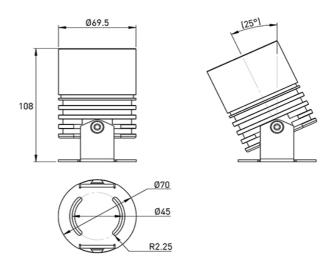
PROJECT NAME Ambassadors Hotel PROJECT NUMBER 872 EXTERIOR LUMINAIRE SPECIFICATION LIGHT REF: Lt.X.F2 REVISION: A

LUMINAIRE DESCRIPTION

Medium output, surface mounted spotlight, 2700K, IP67

MANUFACTURERS ILLUSTRATION / DETAILS





LEDSSTAR 3, 4, 5 WINDOW REVEAL

ACCESSORIES REQUIRED

Remote DALI driver(s) as recommended by manufacturer, and compatible with lighting control system.

Refer to manufacturer's installation and operation instructions

DALI driver IP66 700mA: 421848-700-30 (max. 3 fittings can be wired in series)

Window reveal half tube cowl: 247-0527-5C (Special RALs available)

12 degree diffuser: 247-1762-12

date product.

MANUFAC	TURER/SUPPLIER		LUMINAIRE DATA					
Light projects		Name	LEDStar4 CR	EE CXB Window Reveal				
1st Floor, 23 Jacob St		Ref	45034210-92	27-12-5C				
London		Tilt & Rotate	-					
		Finish	Bronze Anoc	dised TBC (Special RALs available)				
		Dims	as above					
www.lightprojects.co.uk		Cut-out	-					
t: 020 7231 8282		Req. Depth	-					
contact: Charlie Wadsworth		IP Rating	IP67					
e: caw@lightprojects.co.uk								
		LAMP DATA						
Lamp type:	LED							
Operating Current/Voltage:	700mA	Colour Tempe	rature:	2700K				
Load (Luminaire/Lamp):	11.6 W	Colour Render	ing Index:	90 Ra				
Luminous Flux (Lamp):	1005 lm	Beam Angle:		12 degrees				
Luminous Flux (Luminaire):	-	Operating Ten	np.	-20 to +40 degrees Celcius				
LEF:	68 L.lm/W							
Life:	50,000 Hrs L B							
Weight	0.63kg							
NOTES: LED technolog	gy is changing very rapidly;	although at time of spe	cifying this is th	he most suitable product, this may not b				
the case for lo	ong. Please do not order th	is before seeking confirr	mation from Ele	ektra Lighting that it is still the most up t				

Ambassadors Hotel LIGHT REF: Lt.X.F3

LUMINAIRE DESCRIPTION

872

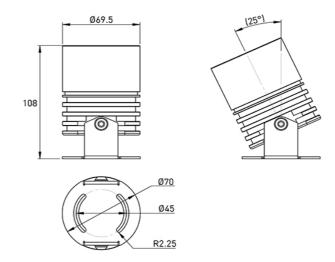
High output, surface spotlight, 2700K, IP67

PROJECT NAME

PROJECT NUMBER

MANUFACTURERS ILLUSTRATION / DETAILS





REVISION:

LEDSSTAR 3, 4, 5 WINDOW REVEAL

ACCESSORIES REQUIRED

Remote DALI driver(s) as recommended by manufacturer, and compatible with lighting control system.

Refer to manufacturer's installation and operation instructions

DALI driver IP66 1200mA: 421832-1200-30 (max. 2 fittings can be wired in series)

Half tube cowl: 450132-5C (Special RALs available)

date product.

12 degree diffuser: 247-1762-12

MANUFAC	TURER/SUPPLIER		LUMINAIRE DATA					
Light projects		Name	LEDStar4 CR	EE CXB Spotlight				
1st Floor, 23 Jacob St		Ref	45034210-92	27-12-5C				
London		Tilt & Rotate	-					
		Finish	Bronze Anoc	dised TBC (Special RALs available)				
		Dims	as above					
www.lightprojects.co.uk		Cut-out	-					
t: 020 7231 8282		Req. Depth	-					
contact: Charlie Wadsworth		IP Rating	IP67					
e: caw@lightprojects.co.uk								
		LAMP DATA						
Lamp type:	LED							
Operating Current/Voltage:	1200mA	Colour Tempe	rature:	2700K				
Load (Luminaire/Lamp):	20.3 W	Colour Render	ing Index:	90 Ra				
Luminous Flux (Lamp):	1584 lm	Beam Angle:		12 degrees				
Luminous Flux (Luminaire):	-	Operating Ten	np.	-20 to +30 degrees Celcius				
LEF:	69 L.lm/W							
Life:	50,000 Hrs L B							
Weight	0.63kg							
NOTES: LED technolog	gy is changing very rapidly;	although at time of spe	cifying this is th	he most suitable product, this may not be				
the case for lo	ong. Please do not order th	is before seeking confirr	mation from Ele	ektra Lighting that it is still the most up to				

EXTERIOR LUMINAIRE SPECIFICATION

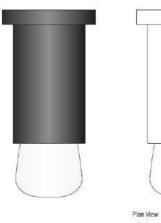


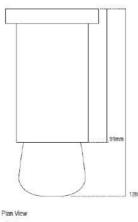
PROJECT NAME	Ambassadors Hotel	LIGHT REF:	Lt.X.J
PROJECT NUMBER	872	REVISION:	_

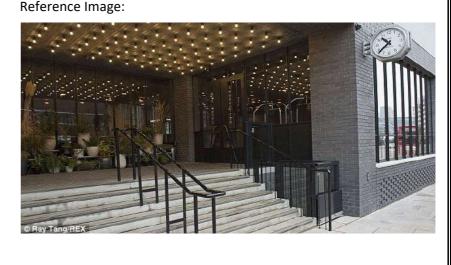
LUMINAIRE DESCRIPTION

IP rated lamp holder & lamp to main canopy

MANUFACTURERS ILLUSTRATION / DETAILS







Som

ACCESSORIES REQUIRED

Remote dimmable driver(s) as recommended by manufacturer, and compatible with lighting control system.

LUMINAIRE DATA

Original BTC Limited Unit 21-22, Avenue One

Station Lane Witney, OX28 4XZ

w: www.originalbtc.com t: +44 (0) 1993 882 251

m: contact: Lauren Wilson

e: customerservice@originalbtc.com

Name External Lamp Holder E27

Ref Custom Item

Tilt & Rotate -

Finish Powdercoated black

Dims as above

Cut-out -Req. Depth -IP Rating IP54

LAMP DATA

LAMP D

Lamp type: To be used with Lamp 1

Operating Current/Voltage: 220-240V
Load (Luminaire/Lamp): 3.8W
Luminous Flux (Lamp): 252 Lm

Luminous Flux (Luminaire): -

LEF: 58 lm/w
Life: 15,000 Hrs
Weight -

Colour Temperature: 2000K - 2800K

Colour Rendering Index: Ra95 Beam Angle: 360 °

Operating Temp. -5 to + 40 degrees Celsius

NOTES:

LED technology is changing very rapidly; although at time of specifying this is the most suitable product, this may not be the case for long. Please do not order this before seeking confirmation from Elektra Lighting that it is still the most up to date product.

Refer to manufacturer's installation and operation instructions

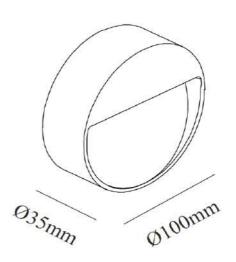
PROJECT NAME Ambassadors Hotel PROJECT NUMBER 872 EXTERIOR LUMINAIRE SPECIFICATION LIGHT REF: Lt.X.M REVISION: -

LUMINAIRE DESCRIPTION

Step light, surface mounted, 2700K, IP54

MANUFACTURERS ILLUSTRATION / DETAILS





ACCESSORIES REQUIRED

Remote dimmable driver(s) as recommended by manufacturer, and compatible with lighting control system.

	LUMINAIRE DATA							
Mr. Resistor	Name	Serious 1 LED Low Level Wall Light						
Mr Resistor HQ	Ref	SERIOUS 270754						
19-23 Lydden Road	Tilt & Rotate	-						
Wandsworth, London, SW18 4LT	Finish	Brass						
w: www.mr-resistor.co.uk/	Dims	as above						
t: +44 (0) 20 8874 2234	Cut-out	-						
m:	Req. Depth	-						
contact: Technical enquiries	IP Rating	IP54						
e: technical@mr-resistor.co.uk								
LAMP DATA								

p type: Integral

Lamp type: Colour Temperature: Operating Current/Voltage: 220-240V 2700K Load (Luminaire/Lamp): 4 W Colour Rendering Index: Ra90 Luminous Flux (Lamp): Beam Angle: Luminous Flux (Luminaire): 440 lm Operating Temp. LEF: 110 lm/w Life:

Weight -

NOTES:

LED technology is changing very rapidly; although at time of specifying this is the most suitable product, this may not be the case for long. Please do not order this before seeking confirmation from Elektra Lighting that it is still the most up to date product.

Refer to manufacturer's installation and operation instructions

EXTERIOR LUMINAIRE SPECIFICATION



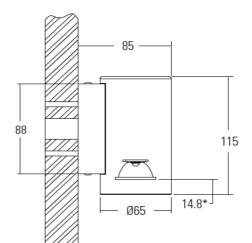
			I + V NI
PROJECT NAME	Ambassadors Hotel	LIGHT REF:	Lt.X.N
PROJECT NUMBER	872	REVISION:	-

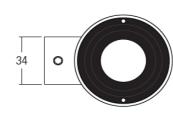
LUMINAIRE DESCRIPTION

Wall washer, wide beam, 2700K, IP67

MANUFACTURERS ILLUSTRATION / DETAILS







ACCESSORIES REQUIRED

Remote dimmable driver(s) as recommended by manufacturer, and compatible with lighting control system.

	LUMINAIRE DATA							
Lightgraphix	Name	LD10237						
20 Bourne Rd Industrial Park	Ref	LD10237-E3-700/LW27/WB/RAL 7016						
Crayford DA1 4BZ	Tilt & Rotate	-						
Kent	Finish	Anthracite Grey (RAL 7016) - TBC by ID						
w: www.lightgraphix.co.uk	Dims	as above						
t: +44 (0) 1322527629	Cut-out	-						
m: +4407501663583	Req. Depth	-						
contact: Greg Russell	IP Rating	IP67						
e: greg@lightgraphix.biz								
LAMP DATA								

LAMP DATA								
Lamp type:	Integral							
Operating Current/Voltage:	700mA	Colour Temperature:	2700K					
Load (Luminaire/Lamp):	8.4W	Colour Rendering Index:	Ra85					
Luminous Flux (Lamp):	840	Beam Angle:	-					
Luminous Flux (Luminaire):	653	Operating Temp.	-					
LEF:	65 lm/w							
Life:	90,000hrs							
Weight	1kg							

NOTES: LED technology is changing very rapidly; although at time of specifying this is the most suitable product, this may not be the case for long. Please do not order this before seeking confirmation from Elektra Lighting that it is still the most up to

date product.

Refer to manufacturer's installation and operation instructions

Ц	ELE lighting des	HTRA Ign consultants	
PROJECT NAME	Ambassadors Hotel	DATE:	27.04.2023
PROJECT NUMBER	872	REVISION:	С
The Lighting Control Schedule (A that you need to use as well as to the Note that the following schedule luminaires that are controlled by control system design. In particular lights that are not conswitched (for example in storero	appendix B) is to be read in conjunction with the Speappendix B) contains the control schedule information he quantities of luminaire fittings in a certain area. Less are NOT to be used as a bill of quantities, or for cary the lighting control system, and the purpose of the control system are not included anywhere in the control system.	cification document. on. It contains information on the alculating loads. The following schose schedules is to be used to assist these schedules. This includes light	number of channels edules only list st in the finalising of

LIGH	ELEKTRA	
PROJECT NAME	Ambassadors Hotel	
PROJECT NUMBER	872	

CONTROL SCHEDULE SHEET CHANGES																
			REVISION													
	AREA	10 March 2022	14 July 2022	30 November 2022	27 April 2023											
Control Chann	nels															
TGC	Typical Guestroom Corridor	✓														
FAC	Façade		✓	Α	В											

ELE LIGHTING CONTROL CHANNEL SCHEDULE PROJECT NAME **Ambassadors Hotel AREA REF** FAC Façade DIMMER LOCATION PROJECT NUMBER **REVISION** 872 В SWITCHED OR DIMMING CONTROL LAMP DIMMER FITTING REF **DESCRIPTION** QUANTITY NOTES CURRENT (A) NUMBER **POWER** DIMMED TYPE / EXTRAS Decorative Entrance Lamp 10 2 0.09 Dimmed 1 X.A Trailing X.B 23 6.9 0.69 2 Linear LED uplight to window (m) Dimmed DALI X.B Linear grazer to uplight façade (m) 23 52.785 5.28 DALI 3 Dimmed 4 X.C1 Linear LED to stone lintel above windows (m) 9 6.168 0.24 Dimmed DALI 5 X.C1 Linear LED to planters (m) 9 7.163 0.28 Dimmed DALI Omitted X.C2 Linear LED to ramp and stair (m) 7 PP Provsional powerpoint for signage 100 2 0.87 **SWITCHED** Trailing 0.07 X.F1 Minature spotlights to stone carvings 3.3 5 Dimmed DALI Surface mounted spotlights to uplight stonework between X.F2 12 0.61 DALI 9 11.6 Dimmed Spotlights to façade 2 10 X.F3 20.3 0.18 Dimmed DALI Spotlights to columns DALI 11 X.F3 20.3 4 0.35 Dimmed Decorative Canopy Lamps Dimmed DALI 12 X.J 24 0.63 6 13 X.J Decorative lights to restaurant 6 15 0.39 Dimmed DALI Surface mounted tread lights to steps DALI 14 X.M 4 6 0.10 Dimmed 15 $\mathsf{X}.\mathsf{M}$ Surface mounted tread lights to steps 0.07 Dimmed DALI 4 4 PP Provisional powerpoint for canopy signage 50 16 0.22 Switched Trailing PP Provisional powerpoint for signage 100 0.43 Trailing 17 1 Switched Decorative Wall Light DALI 18 X.N 8.4 3 0.11 Dimmed 11.6 Area total CONTROL COMPONENTS **COMPONENT TYPE** LCC.REF COMPONENT DETAILS **FINISH** QTY LCC.04 **Exterior Photocell Sensor** Light level sensor TBC 1 **NOTES:** Area to be set up on a time clock The above area is controlled by these control plates and other accessories, as shown on the drawings NOTES: Control lines are indicative of logical control circuits only. For actual physical wiring diagram, see control system manufacturers schematic. Note that some logical channels might be split into more than one physical channel and will need to be wired accordingly. This document was prepared by Elektra Lighting Ltd. In case of query please call +44 (0) 20 7288 0155

	LIGHTING	ELEKTRA						
PROJECT NA	ME	,	Ambassadors Hotel		REVISION -			
PROJECT NU	MBER		872					
LCP.REF	DESCRIPTION	COMPONENT TYPE	QTY buttons	BUTTON	FUNCTION	FINISH		
LCP.01	Lighting control plate	Push button plate	7	4 Scenes and off, raise, lo	ower	TBC		
LCP.02	Lighting control plate	Push button plate	5	2 Scenes and off, raise, le	ower	TBC		
LCP.03	Lighting control plate	Touch screen plate	-			TBC		
LCC.04	Exterior Photocell Sensor	Light level sensor	-	Light level sensor		TBC		
LCC.05	Motion sensor	PIR sensor	-	PIR sensor		TBC		
1								

General info Time clock must be supplied with the control system

NOTES: Finishes - TBC = To Be Confirmed



London Office, UK

Ormond House 26/27 Boswell Street London, WC1N 3JZ T: +44 (0) 20 7288 0155 Skype: elektra.lighting www.elektralighting.co.uk