

Exterior Lighting Design

Revised 26/02/24

Rev C

Lighting Strategy

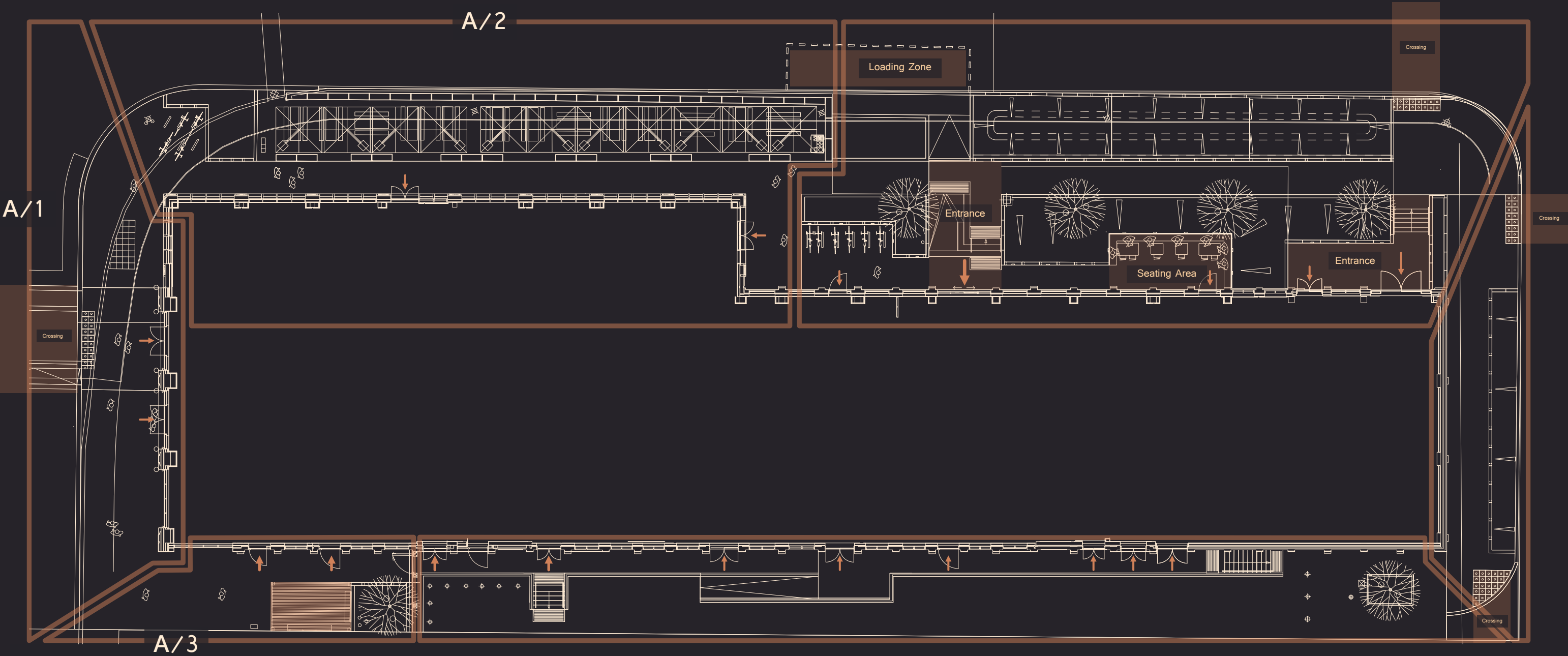
Zone A

1 - 2 - 3

Main social surrounding to the House of Social venue and areas of evening interaction. Interfacing with street lighting and high activity evening use.

Zone B

Public realm facing for Zone B. Interfacing with street lighting and building interactions.



Zone D

Servicing routes and back of house into zone between buildings.

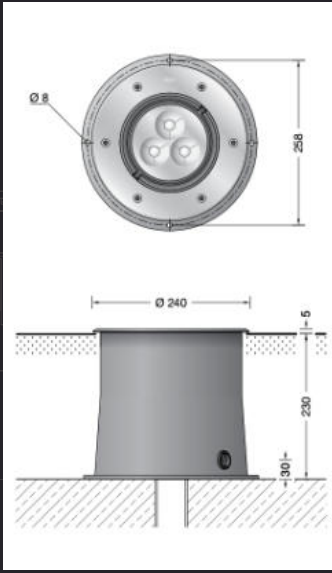
Zone C

Public realm for zone between buildings and uses towards back of house. No street lighting.

Main crossing, need to check the illumination from the street lighting to make provision for light level contrast.

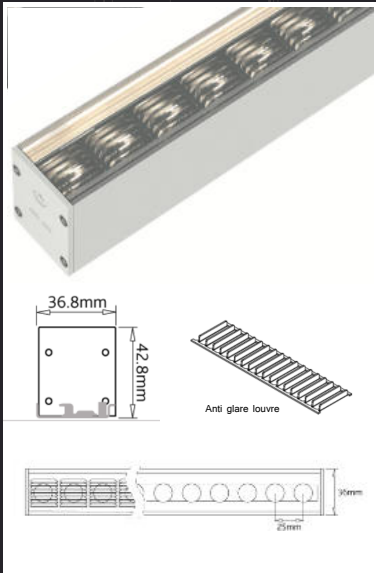
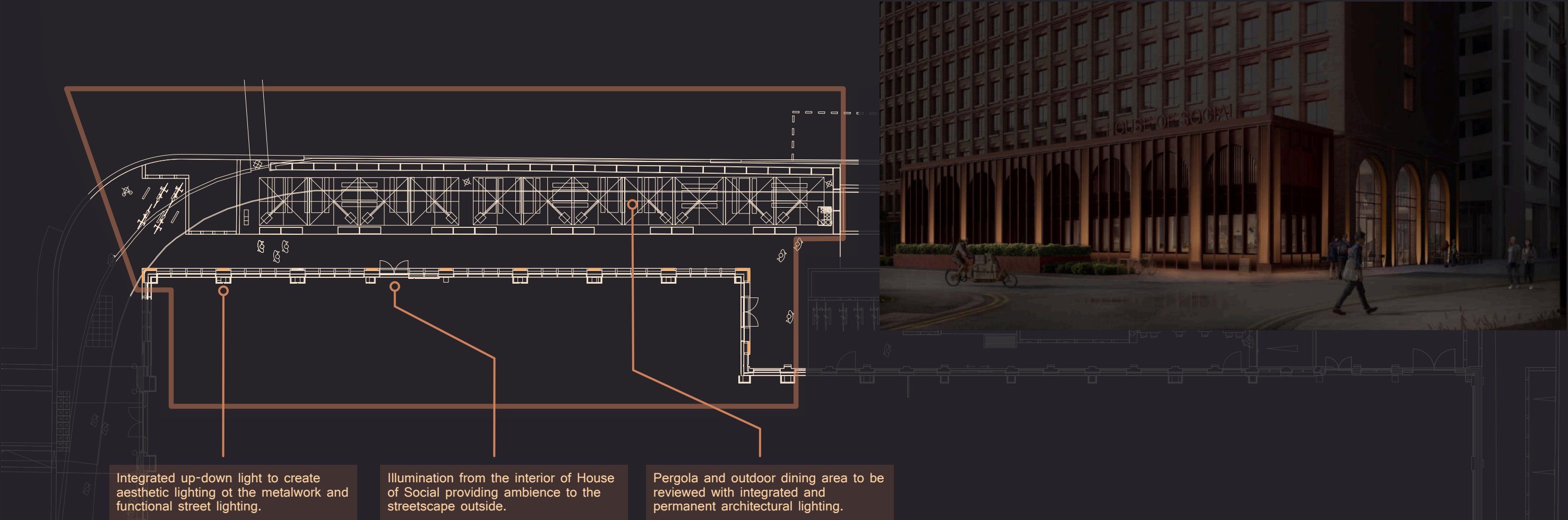
In ground uplights to illuminate the entranceway to House of Social.

Illumination from the interior of House of Social providing ambience to the streetscape outside.

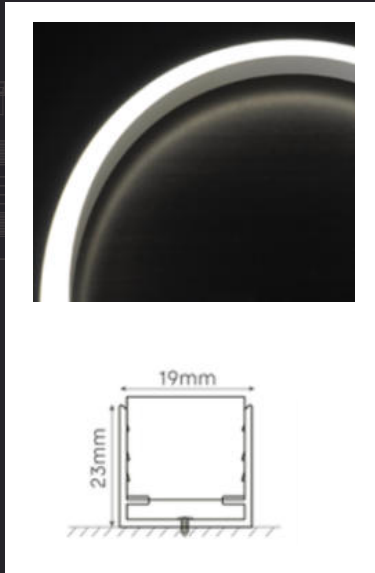


Specification

- Description Inground LED Uplight
- Location Inground at entranceway
- Fixing Installation sleeve, recessed
- Finish Brushed aluminium
- Attachments 5 degree optics
- Colour Temp 2,700K
- Colour Rendering >80
- Dimensions 240mm x 230mm
- Dimming DALI
- Wattage 16.5W
- Lumen Output 459 lumens
- Lumens / Watt Lumens / Watt
- IP Rating IP68 IK10
- Notes Anti-slip glass
- Manufacturer Bega
- Contact Matthew Sherry
07584 149 451
matthew@optelma.co.uk

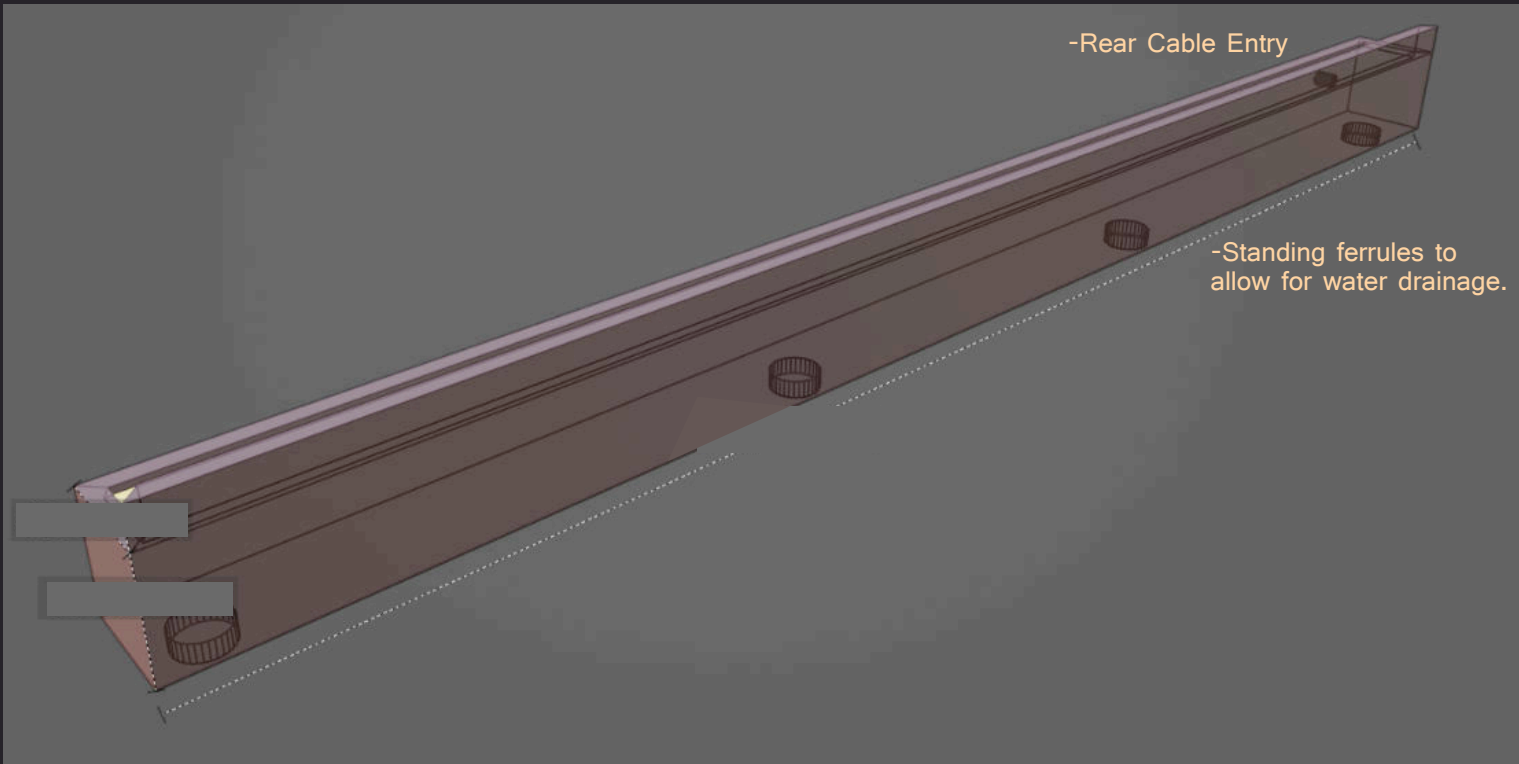
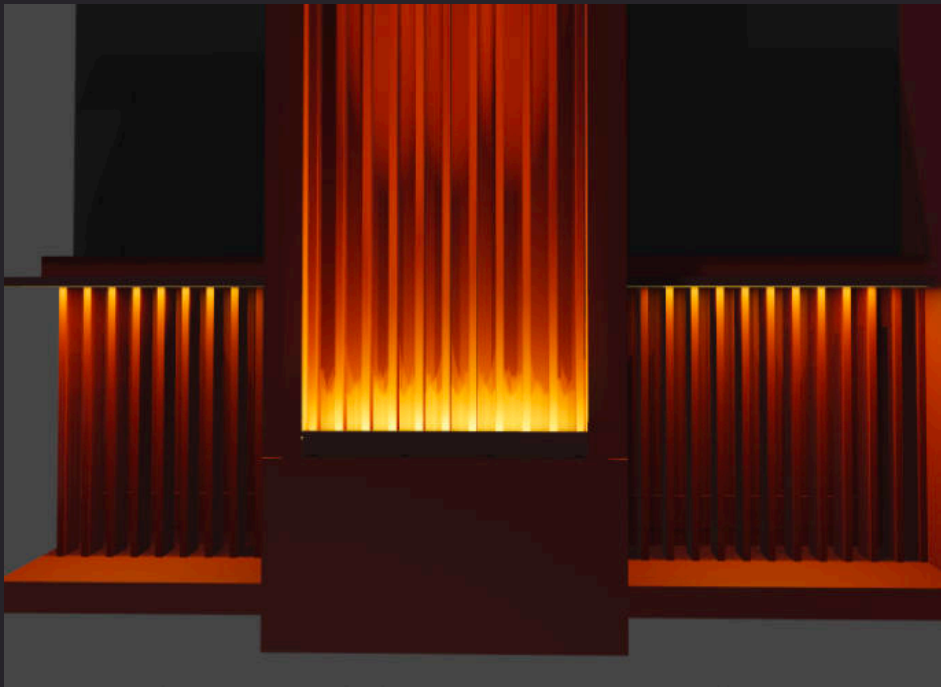
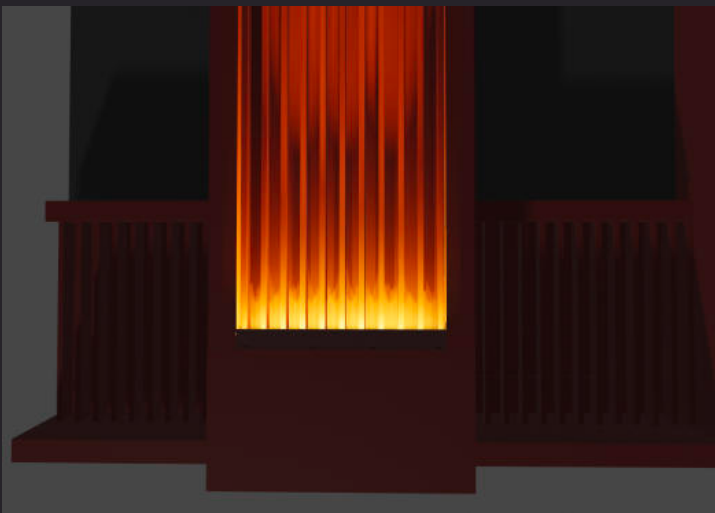
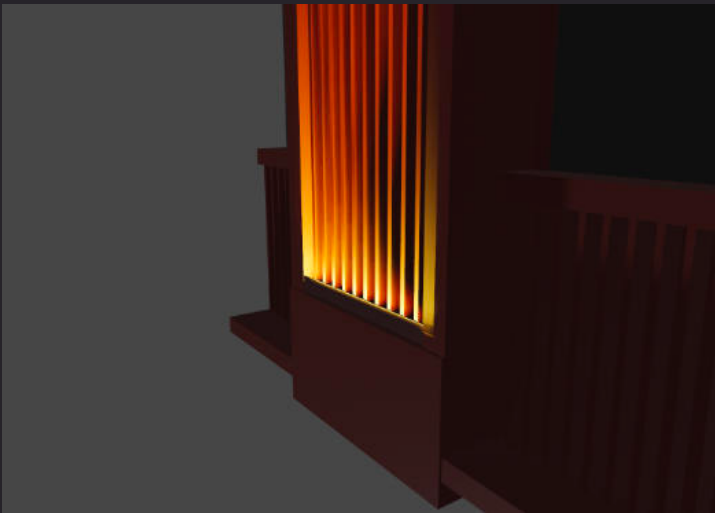
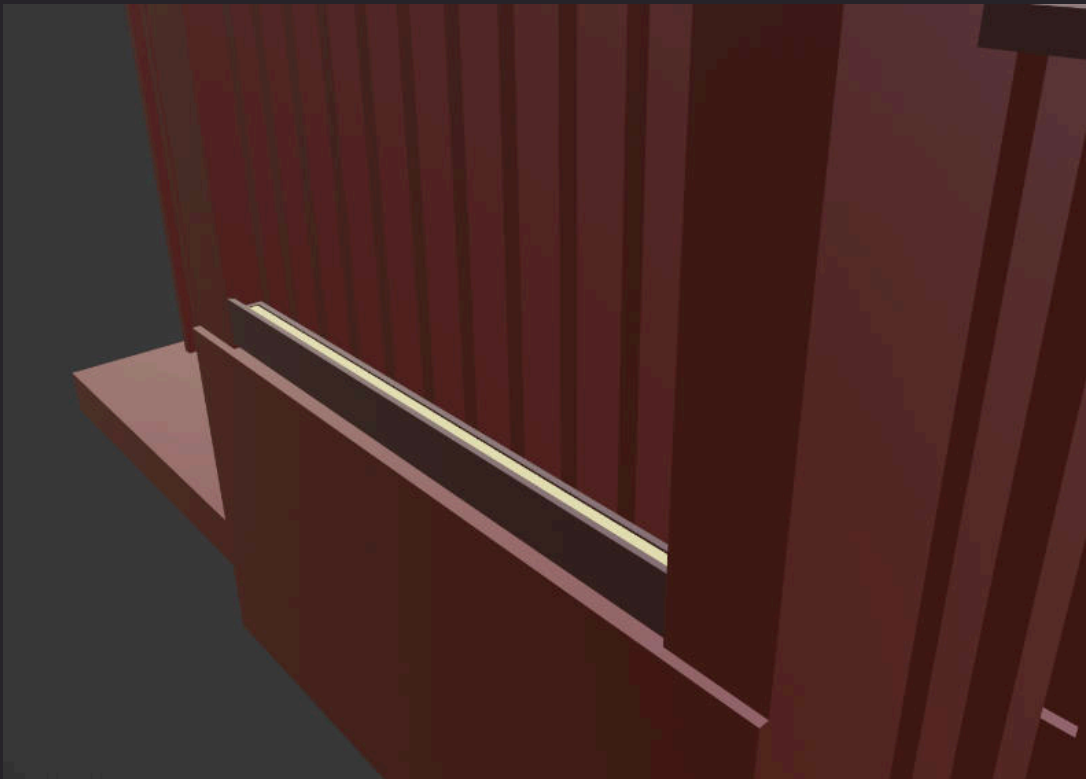


Specification	
Description	Integrated LED Uplight
Location	Within metalwork columns
Fixing	Within bespoke metalwork
Finish	To match metalwork
Attachments	10 - 18 degree graze optic
Colour Temp	2,700K
Colour Rendering	>85
Dimensions	730 x 42mm (60mm upstand)
Dimming	DALI
Wattage	25-35W / m
Lumen Output	3620 /m
Lumens / Watt	80-100
IP Rating	IP67 IK10
Notes	
Manufacturer	Tryka
Reference	Colin Gawne 07890 110951 colin.gawne@tryka.com



Specification	
Description	Integrated LED Rim Glow
Location	Within 1st Floor Detail
Fixing	Within bespoke metalwork
Finish	To match metalwork
Attachments	120 degree edge glow
Colour Temp	2,700K
Colour Rendering	90
Dimensions	19mm x 20mm
Dimming	DALI
Wattage	18W / m
Lumen Output	3620 /m
Lumens / Watt	60
IP Rating	IP67 IK09
Notes	
Manufacturer	Tryka
Reference	Colin Gawne 07890 110951 colin.gawne@tryka.com

Zone A / 2 - Column Uplights - Detail



Specification

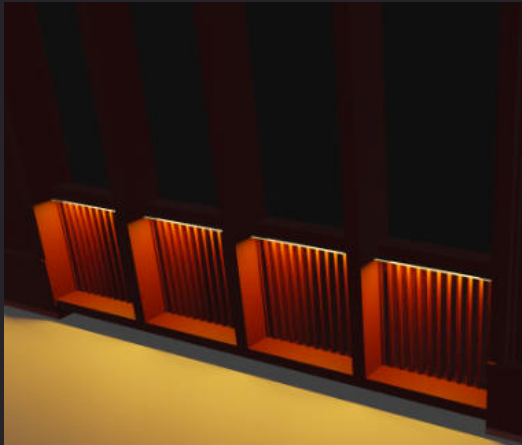
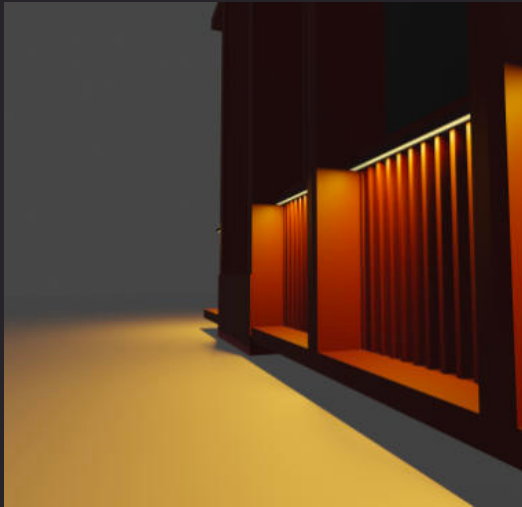
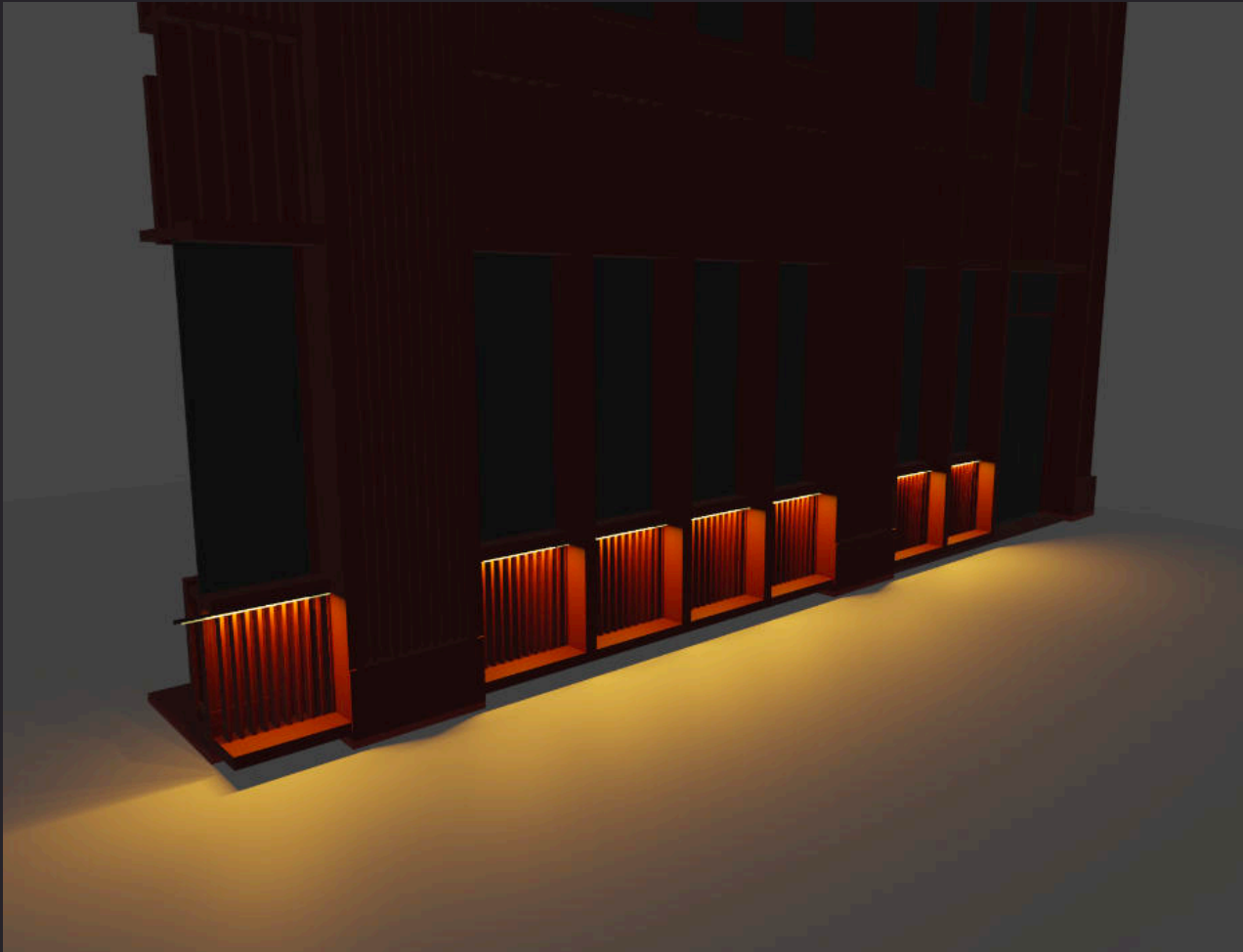
Description	Integrated LED Uplight
Location	Within metalwork columns
Fixing	Within bespoke metalwork
Finish	To match metalwork
Attachments	10 - 18 degree graze optic
Colour Temp	2,700K
Colour Rendering	>85
Dimensions	730 x 42mm (60mm upstand)
Dimming	DALI
Wattage	25-35W / m
Lumen Output	3620 /m
Lumens / Watt	80-100
IP Rating	IP67 IK10
Notes	
Manufacturer	Tryka
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Notes

A-2-A: Uplight within curtain walling
Luminaire to be housed within a custom frame.
Cable to be fished through from luminaire point.
Cable length to be 5m – diameter TBC by manufacturer.
Luminaire within custom frame to be fixed down to the wetcast plinth.
Manufacturer to advise on tilted top plate / acrylic to allow water run off.
10mm upstand / mounting height.
Custom frame to be sent to be finished by United Anodisers to match the curtain wall.
Finish Anolok Vita HOS 546.

7No. 810mm
4No. 700mm
2No. 685mm

Zone A / 2 - Pathway Lights - Detail



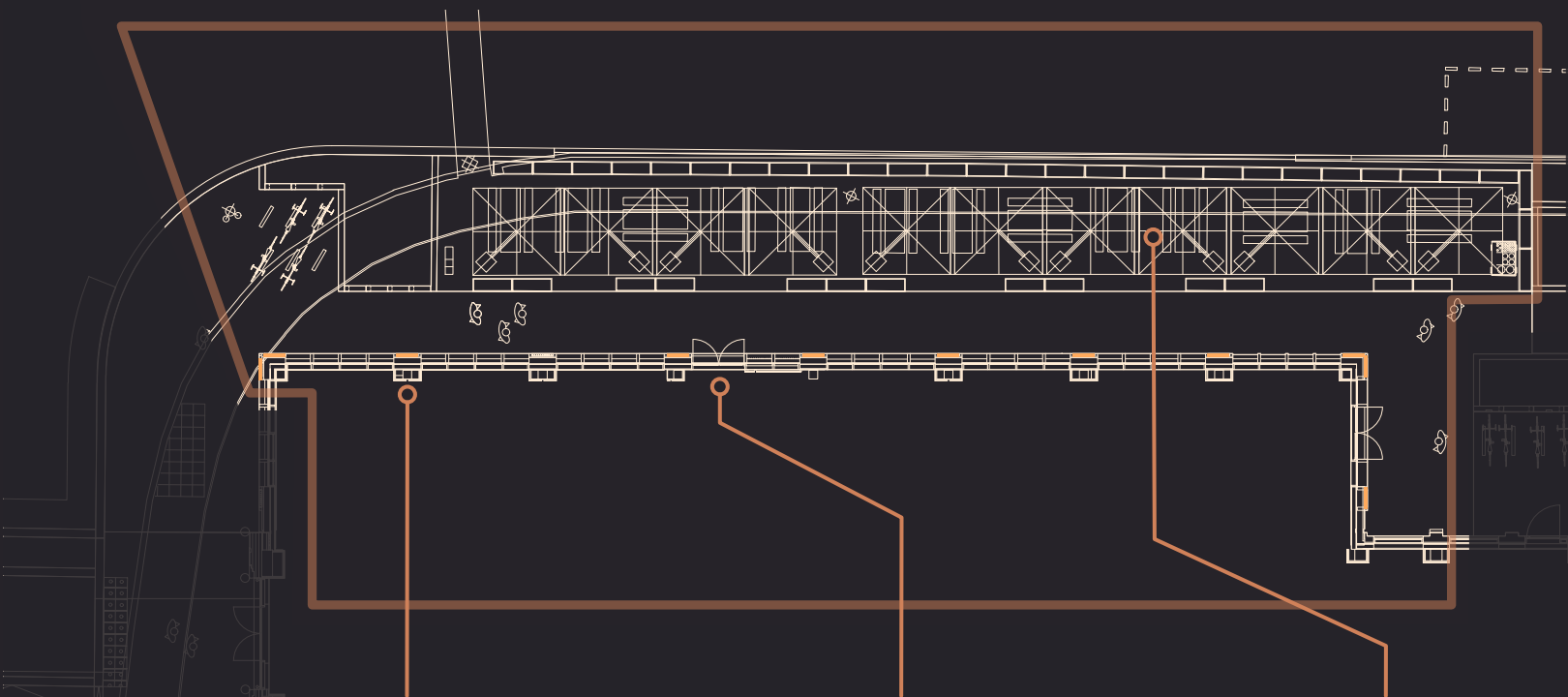
Specification

Description	Integrated LED Uplight
Location	Within metalwork columns
Fixing	Within bespoke metalwork
Finish	To match metalwork
Attachments	60 degree optic
Colour Temp	2,700K
Colour Rendering	>85
Dimensions	852mm x 20mm x 15mm
Dimming	DALI
Wattage	10W - 15W / m
Lumen Output	1220 /m
Lumens / Watt	80-100
IP Rating	IP67 IK09
Notes	
Manufacturer	Tryka
Reference	Colin Gawne 07890 110951 colin.gawne@tryka.com

Notes

A-2-C: Downlight
Luminaire to be mounted recessed into Extended Capping Piece
Manufacturer to provide aluminium channel mounting channel.
Manufacturer to confirm dimensions of luminaire and mounting channel.
Cable to be fished through from luminaire point.
Cable length to be 5m – diameter TBC by manufacturer.
One driver to link 4No. downlight fittings
Custom frame to be sent to be finished by United Anodisers to match the curtain wall.
Finish Anolok Vita HOS 546.

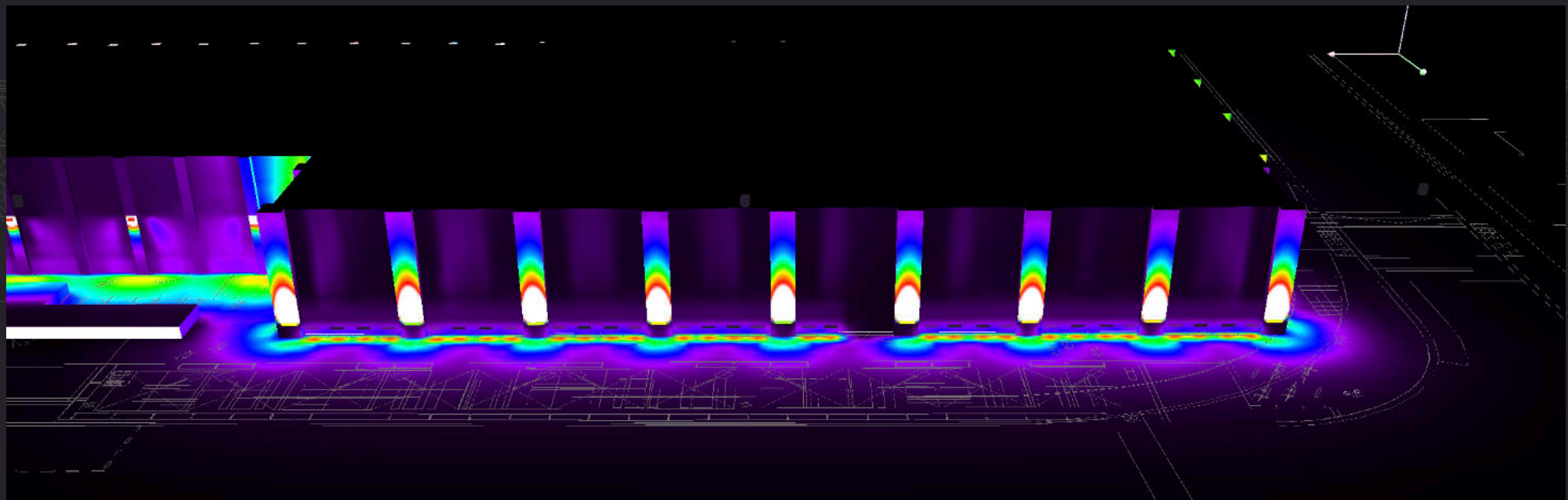


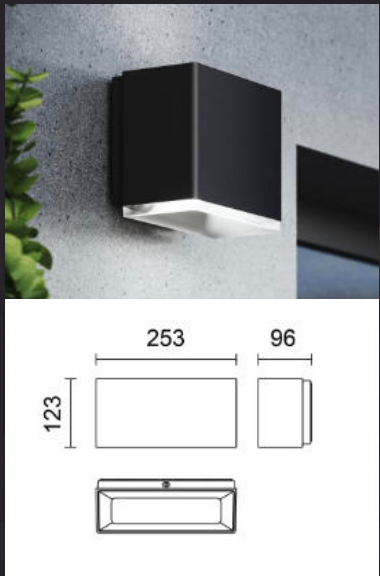


Integrated up-down light to create aesthetic lighting of the metalwork and functional street lighting.

Illumination from the interior of House of Social providing ambience to the streetscape outside.

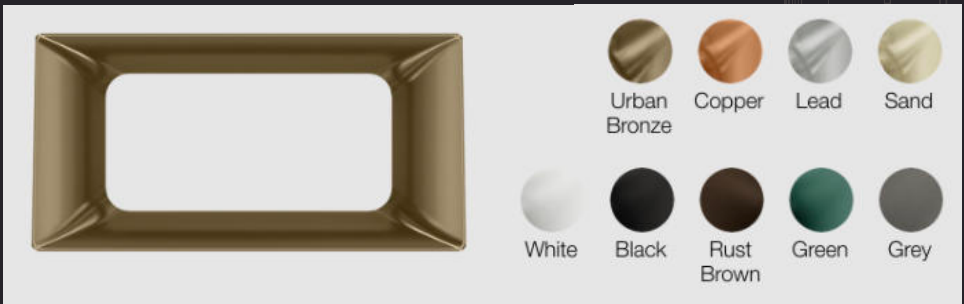
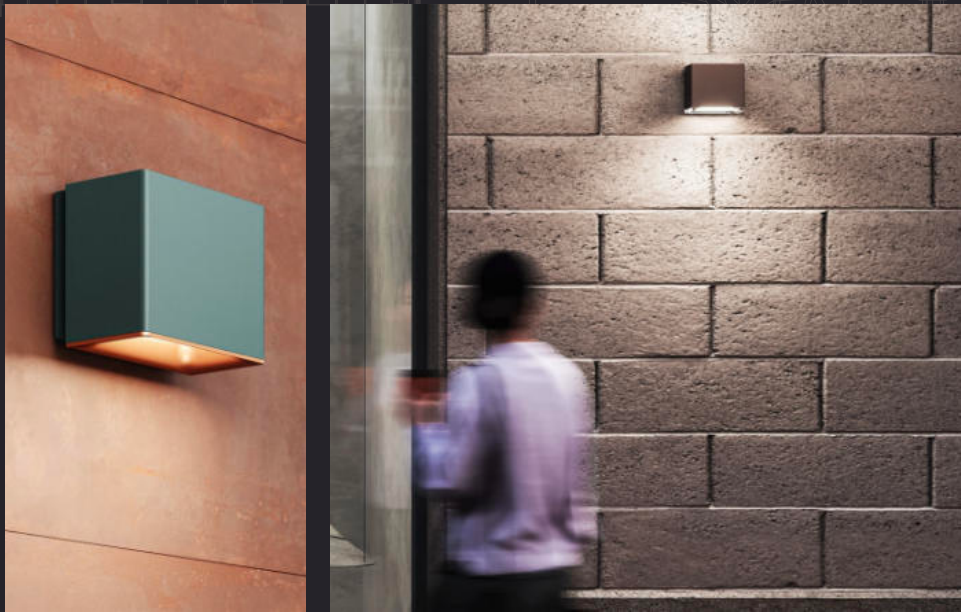
Pergola and outdoor dining area to be reviewed with integrated and permanent architectural lighting.



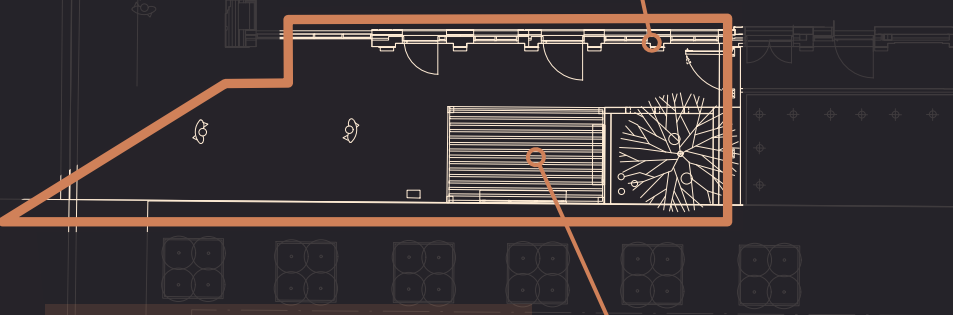


Description Wall Light
Location Inground at entranceway
Fixing Installation sleeve, recessed
Finish RAL to complement brick
Attachments Asymetric wide
Colour Temp 2,700K
Colour Rendering >80
Dimensions 259 x 123 x 96mm
Dimming DALI
Wattage 10W
Lumen Output 860 lumens
Lumens / Watt Lumens / Watt
IP Rating IP66 IK07
Notes Anti-slip glass
Manufacturer iGuzzini Allure
Reference Andrew Taylor
07786 061284
andrew.taylor@iguzzini.com

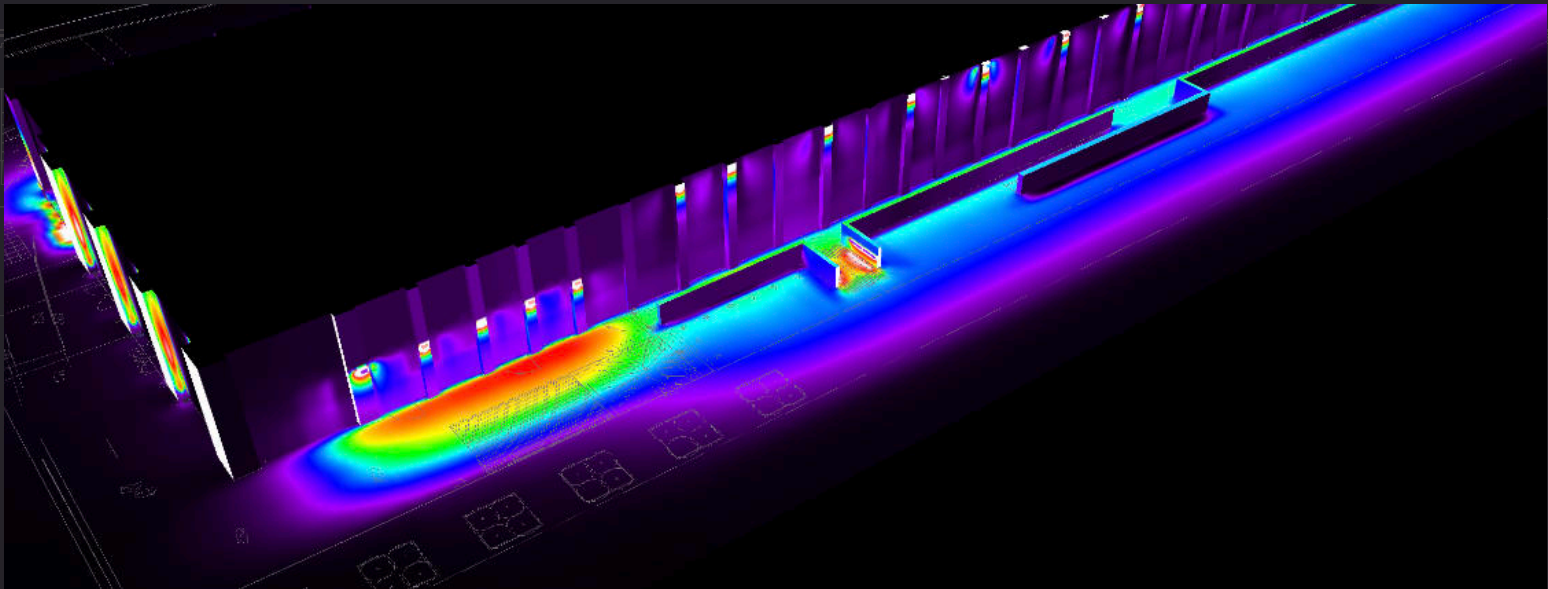
Variety of Finishes Available

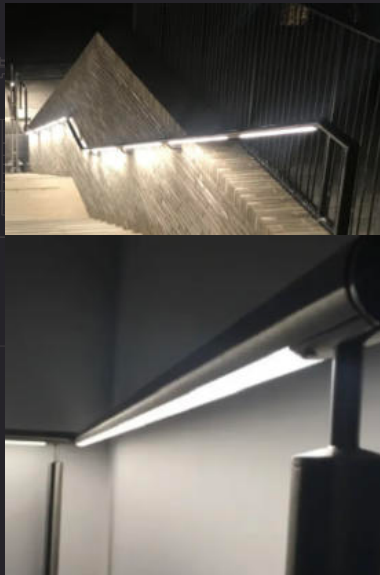
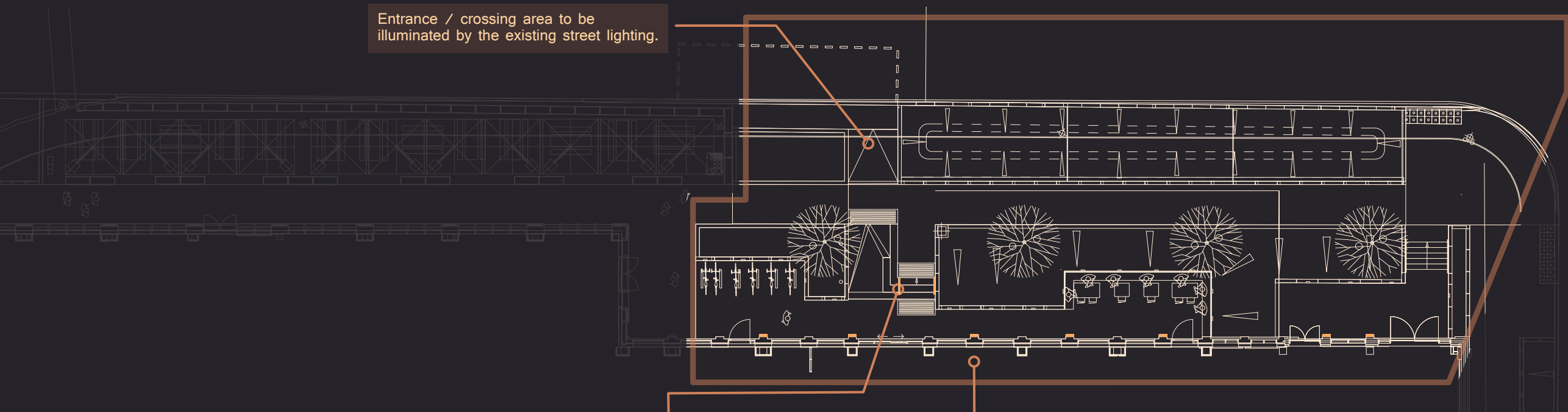


Simple repeating wall light with dimmable action to create safe and approachable exterior lighting.



Additional lighting following review of structure and space.

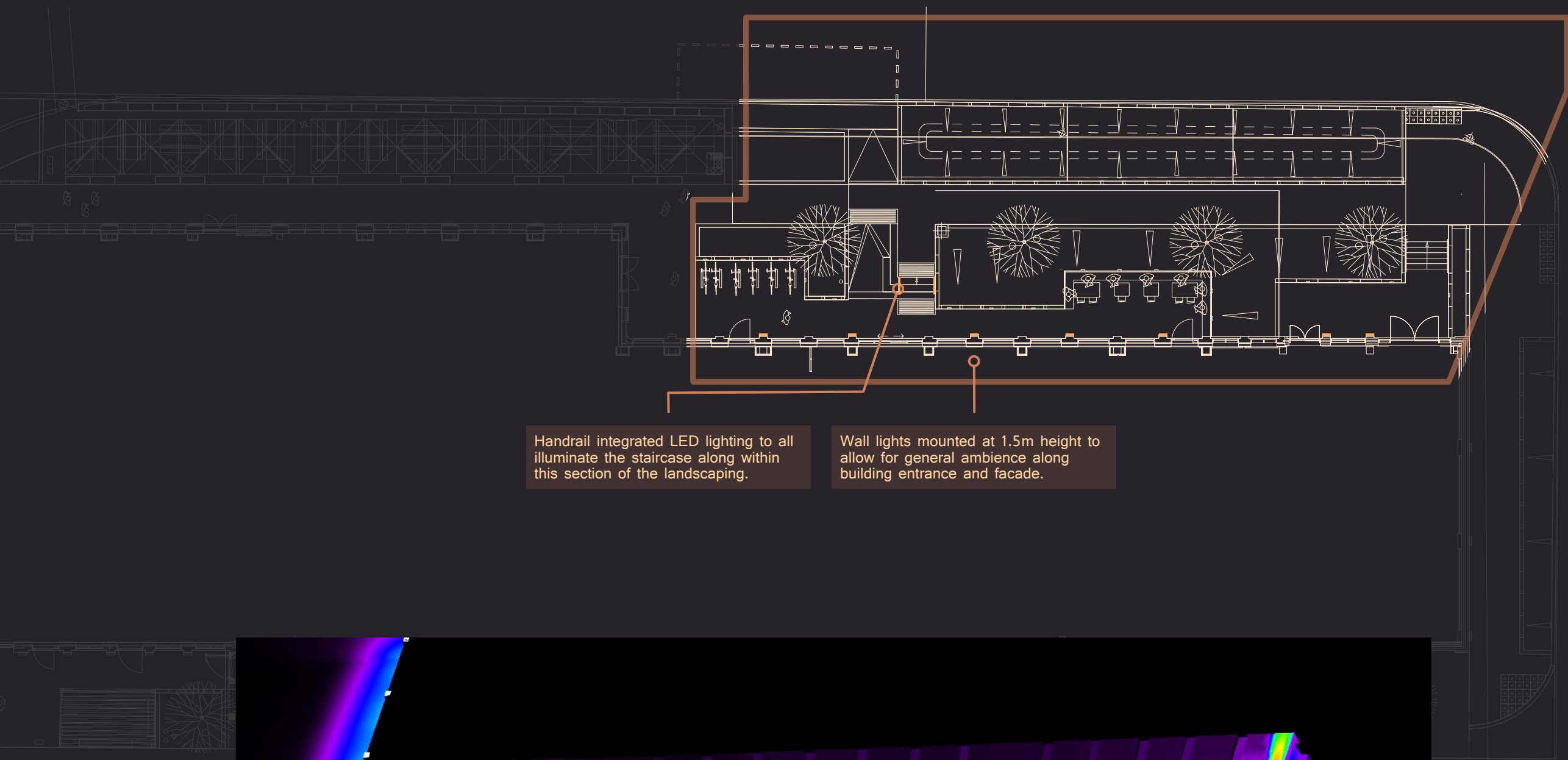




Description Handrail lighting
Location Entrance staircase
Fixing Within handrail
Finish Brushed aluminium
Attachments Asymetric
Colour Temp 2,700K
Colour Rendering >80
Dimensions Ø42mm/48mm available
Dimming Switched
Wattage 7W
Lumen Output 400 lumens
Lumens / Watt 55
IP Rating IP67 IK10
Notes
Manufacturer The Light Lab
Reference Chris Burridge
chris.burridge@thelightlab.com

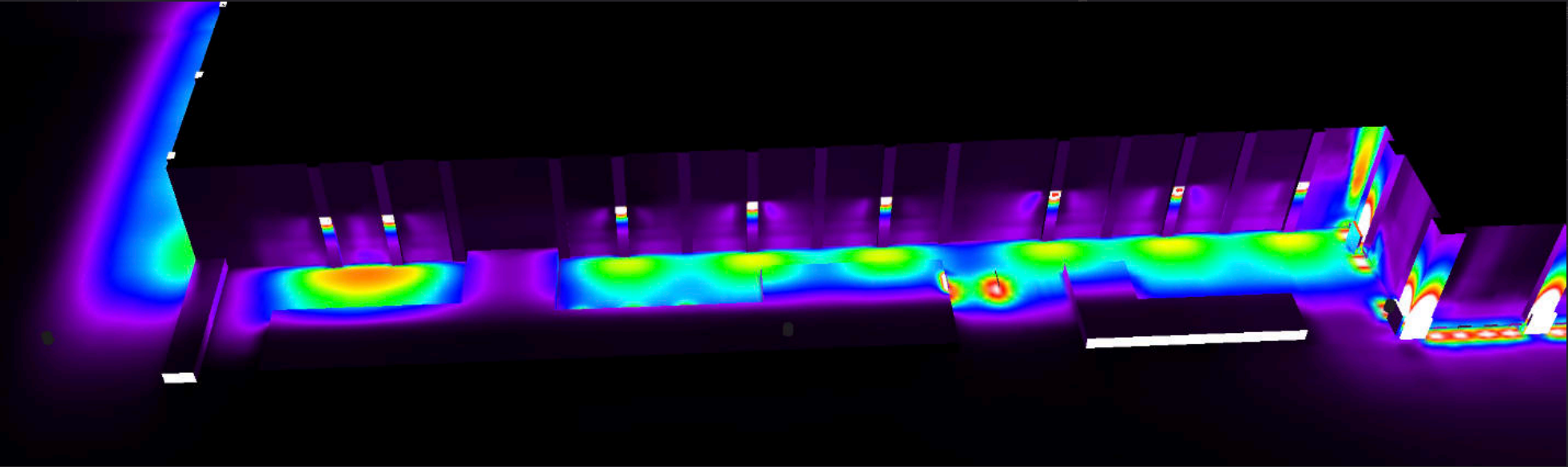


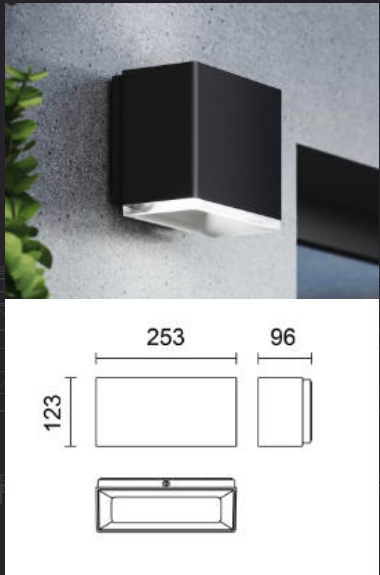
Description Wall Light
Location Inground at entranceway
Fixing Installation sleeve, recessed
Finish Rust Brown
Attachments Asymetric wide
Colour Temp 2,700K
Colour Rendering >80
Dimensions 259 x 123 x 96mm
Dimming DALI
Wattage 10W
Lumen Output 860 lumens
Lumens / Watt Lumens / Watt
IP Rating IP66 IK07
Notes
Manufacturer iGuzzini Allure
Reference Andrew Taylor
07786 061284
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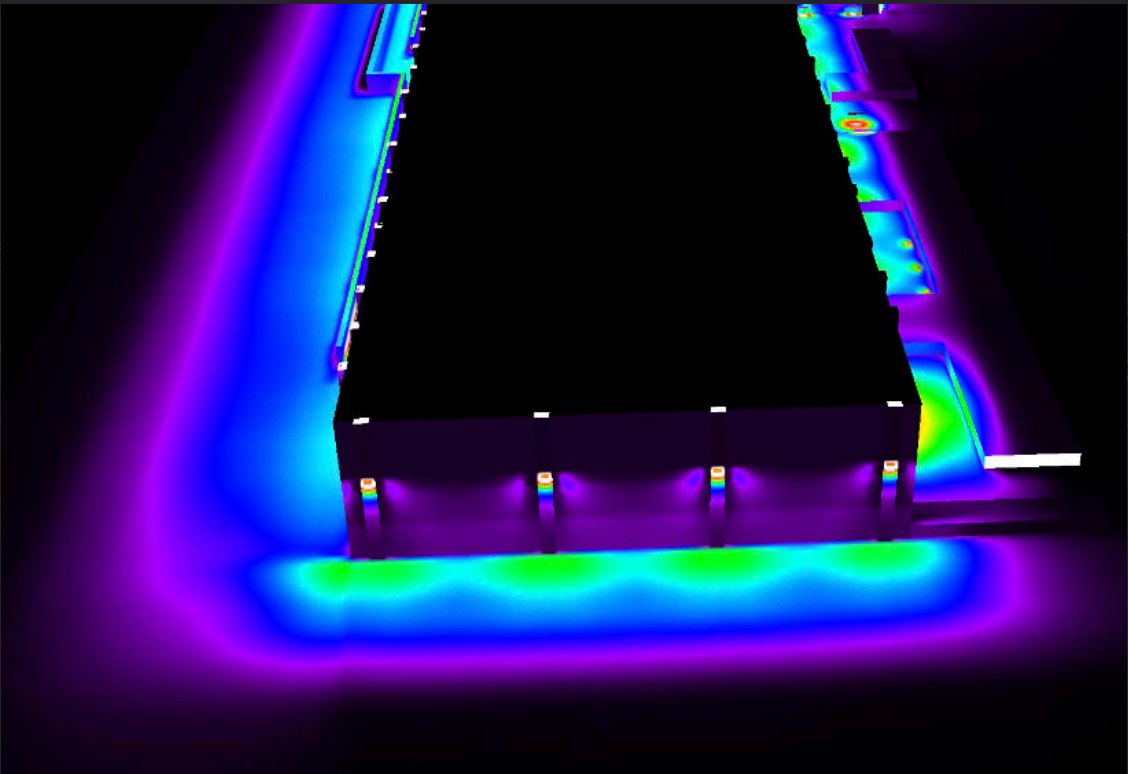
Handrail integrated LED lighting to all illuminate the staircase along within this section of the landscaping.

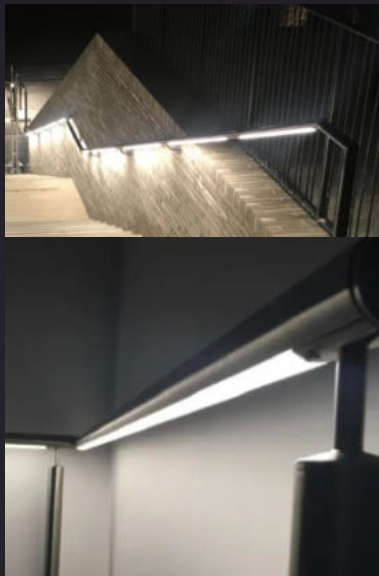
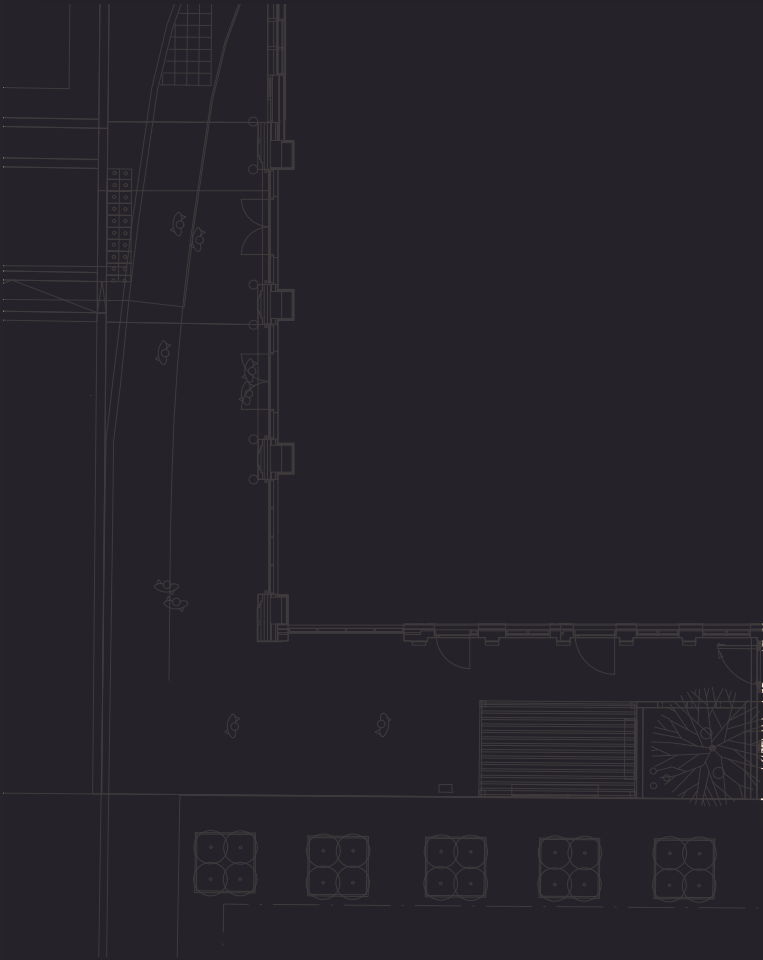
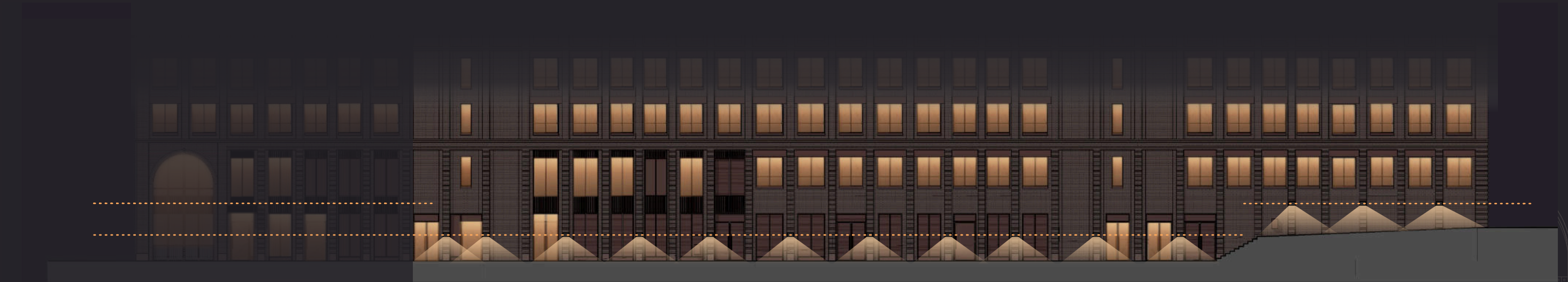
Wall lights mounted at 1.5m height to allow for general ambience along building entrance and facade.



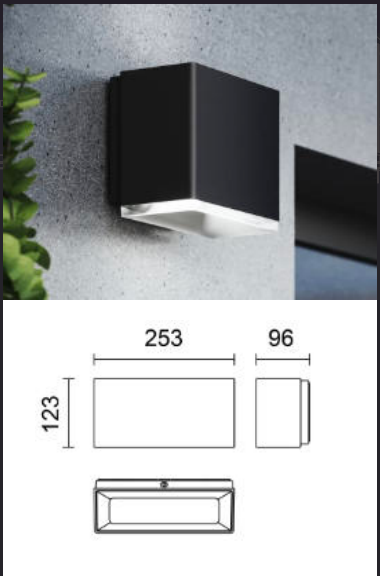


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Notes Anti-slip glass
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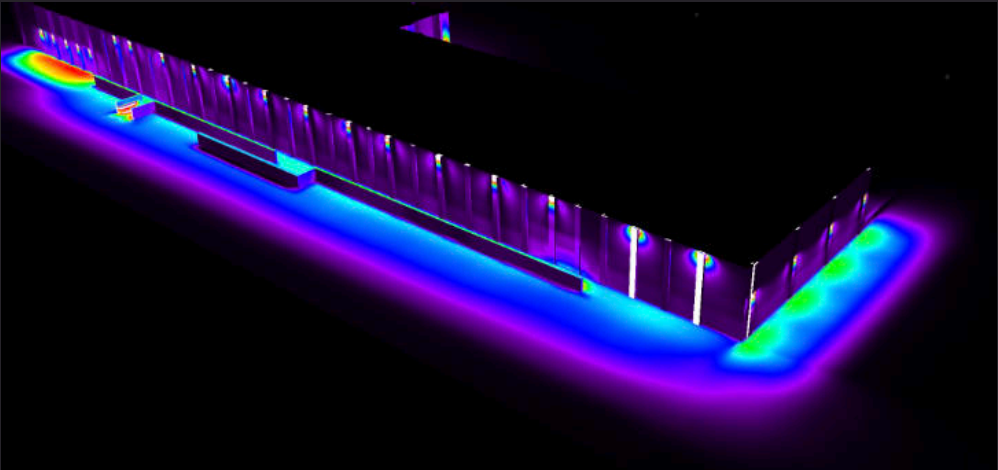
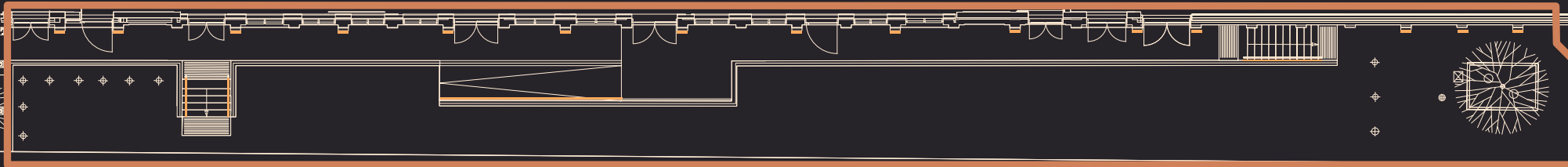




Description Handrail lighting
Location Entrance staircase
Fixing Within handrail
Finish Brushed aluminium
Attachments Asymetric
Colour Temp 2,700K
Colour Rendering >80
Dimensions Ø42mm/48mm available
Dimming Swtiched
Wattage 7W
Lumen Output 400 lumens
Lumens / Watt 55
IP Rating IP67 IK10
Notes
Manufacturer The Light Lab
Reference Chris Burridge



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Wattage 10W
Lumen Output 860 lumens
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IP Rating IP66 IK07
Notes Anti-slip glass
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Reference





WEST ELEVATION

SOUTH ELEVATION

Elevations at Night

Proposed Location for Signage

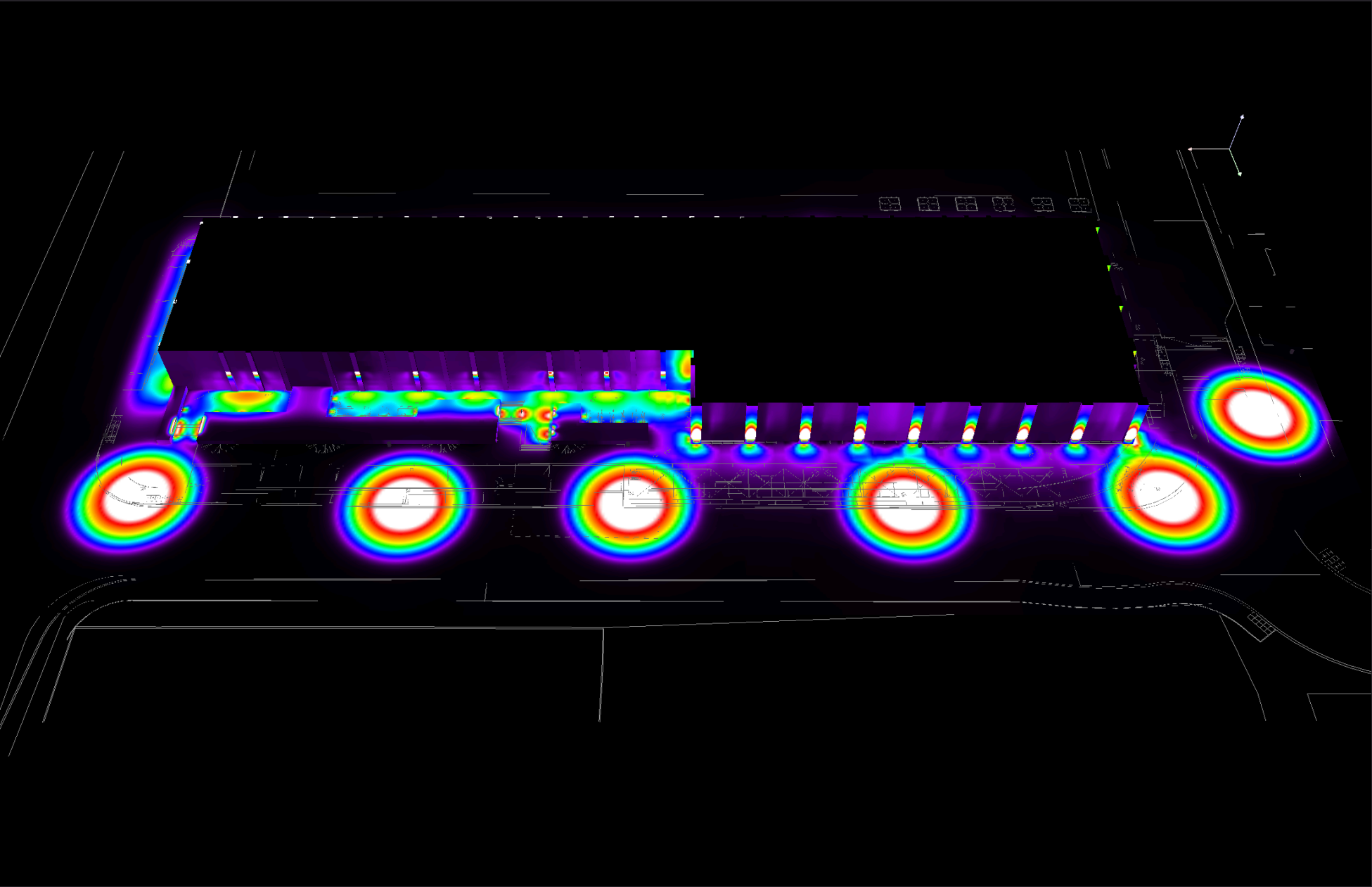


EAST ELEVATION



NORTH ELEVATION

Street Lighting Photometrics



Plot undertaken with provided locations from existing plans.
Plans do not include street lights beyond locations with the plot / project boundary.

If there is further information available this would assist in a further analysis of the street lighting.

iGuzzini Street Lighting Specification (provided by iGuzzini)

Woody - Spotlight with bracket - Warm White COB LED - Integrated dimmable electronic control gear DALI - Wide Flood optic - 56.5W 6840lm - 3000K

Product Information

- Material: die-cast aluminium alloy
- Size (mm): ø315x319, Weight (kg): 7.60
- Design: Mario Cucinella

Available colours

- 01 White
- 04 Black
- 15 Grey

Lighting parameters

- LED
- 51W 8550lm - light source values
- 56.5W 6840lm - system values
- Luminous Efficiency (system value): 121lm/W
- 3000K CRI 80
- Optic: WF - Wide Flood 46°
- Adjustability: directional
- Lm output in Emergency mode: -
- Total light flux at or above 90° [Lm]: 0
- Light Output Ratio (L.O.R.) [%]: 80
- Life Time 1: 100,000h - L80 - B10 (Ta 25°C)
- Life Time 2: 100,000h - L80 - B10 (Ta 40°C)