

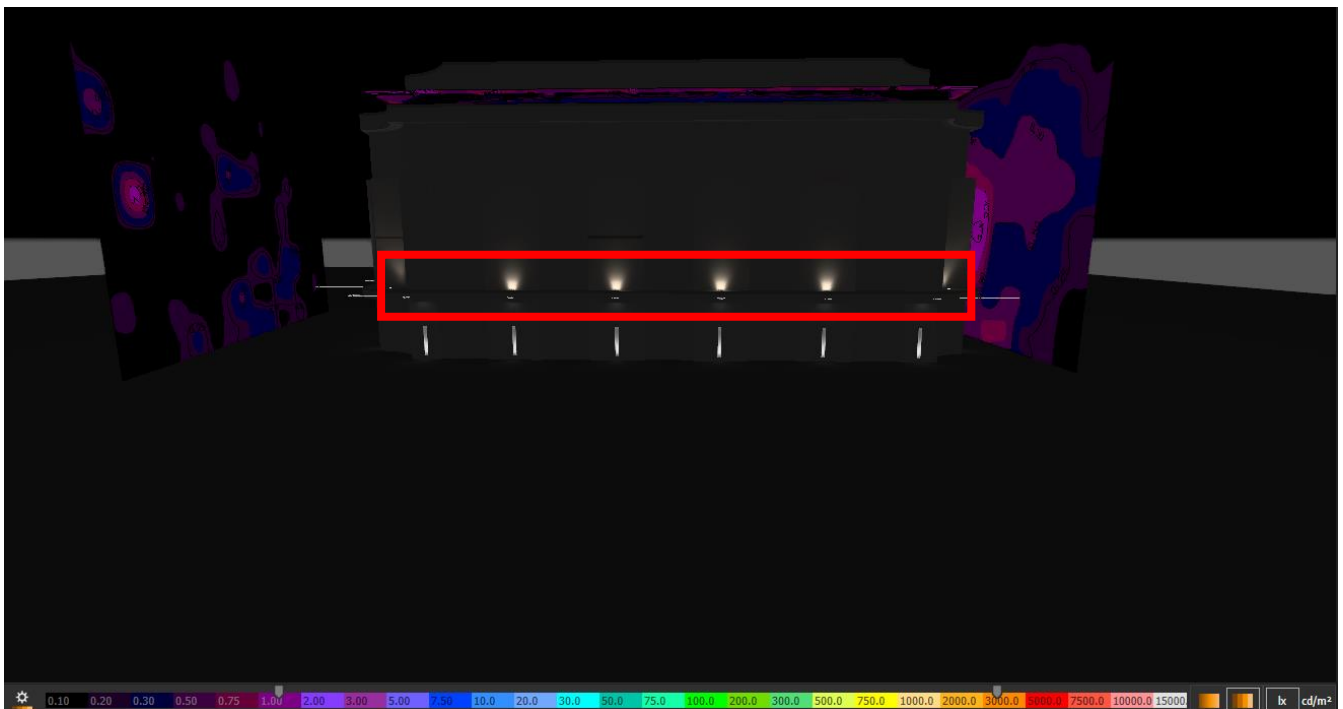
The local planning officer has suggested that the external light lux spill may impact upon the neighbouring surroundings. The external up lights shown on the front façade of the building, are specified to limit any light spill.

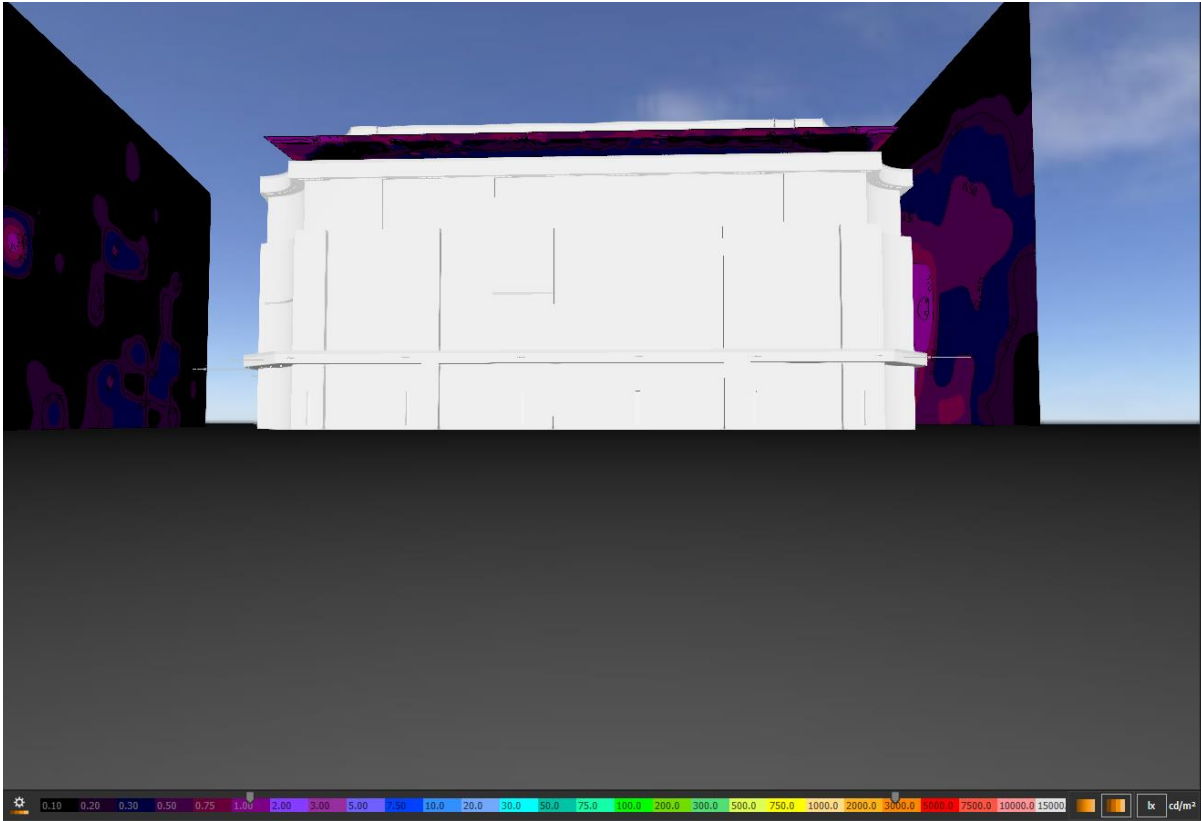
Laterally, the below calculation shows the calculated lux levels from these up lights reaching the top of the overhanging existing soffit snippet. This will limit the projection of light above it. The average lux is circa 0.46 lux average with a fixed angle of 40°. This amount of lux reaching the soffit is less than the amount of lux reaching the calculation surface positioned across the street, representing the opposing buildings.

We have specified LED linear Adonis Architectural SW fittings with the below properties (via dimming)

- Maximum angle of 60°
- Lumen out = 440lm (dimmed to 220lm)
- Wattage = 11W
- Efficiency = 40lm/W
- DALI dimmable

Front façade (Figure 1)





Calculation surface results (Figure 3)

Calculation surface 18		
	0.46 lx	0.14
Calculation surface (Perpendicular illuminance)		
	Actual	Target
Average	0.46 lx	-
Min	0.066 lx	-
Max	1.73 lx	-
Min/average	0.14	-
Min/max	0.038	-
Parameter		
Height	17.450 m	

Based on the evidence above, we do not believe the lux levels will impact nearby wildlife or residences.


Completed by: Scott Maloney BEng (Hons)

Date: 12/06/24


Adonis Architectural SW data sheet

**POWER SUPPLY UNIT (PSU) & CONTROLS**

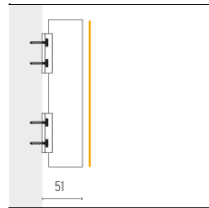
**Recommended PSU**

Item	Description	Part number	Unit	Min. OQ
 VarioPSU 24V/240W IP67, ON/OFF, Silver	LED driver from Mean Well with 24 V constant voltage and a maximum output power of 240 W. Type of protection IP67, class I power unit with an input voltage range of 90 – 305 V AC. Dimensions (L x W x H): 244 mm x 68 mm x 39 mm. Not dimmable. Product on secondary side dimmable with IN.Finite controller range.	16000068	piece (pc)	5

**Recommended Control**

Item	Description	Part number	Unit	Min. OQ
 IN.finite™ CASAMBI 2ch CV	2 Channel control unit, CASAMBI protocol, Input for sensors, Input voltage 12 V – 48 V, I <sub>out</sub> max. 2 x 4 A, L x H x W – 188 mm x 21 mm x 30 mm.	16000267-EVO	piece (pc)	10

**3. Surface Mounting adjustable (SA)**



**Mounting accessories**

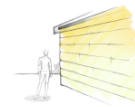
-  **Adjustable Mounting Clip C007/C010 L140 (silver anodized)**
-  **Adjustable Mounting Clip C007/C010 L140 (black anodized)**

**Description**

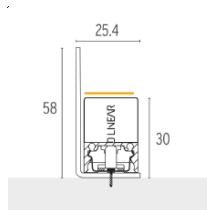
140 mm adjustable mounting clip with a tilt of 60° to each side, comes together with profile colors white and gray. Use according to the mounting instruction.

140 mm adjustable mounting clip with a tilt of 60° to each side, comes together with profile color black. Use according to the mounting instruction.

**Example of application**



**6. Glare Protection**



**Mounting accessories**

-  **Glare Shield white - 1 m**  
Art.-#: 10000622-RAL9003-1m
-  **Glare Shield white - 2 m**  
Art.-#: 10000622-RAL9003-2m
-  **Glare Shield black - 1 m**  
Art.-#: 10000622-RAL9005-1m
-  **Glare Shield black - 2 m**  
Art.-#: 10000622-RAL9005-2m
-  **Glare Shield gray - 1 m**  
Art.-#: 10000622-RAL9022-1m
-  **Glare Shield gray - 2 m**  
Art.-#: 10000622-RAL9022-2m

**Description**

Aluminium glare shield in 1 m length. For a better glare control for people passing by. Use according to the mounting instruction.

Aluminium glare shield in 2 m length. For a better glare control for people passing by. Use according to the mounting instruction.

Aluminium glare shield in 1 m length. For a better glare control for people passing by. Use according to the mounting instruction.

Aluminium glare shield in 2 m length. For a better glare control for people passing by. Use according to the mounting instruction.

Aluminium glare shield in 1 m length. For a better glare control for people passing by. Use according to the mounting instruction.

Aluminium glare shield in 2 m length. For a better glare control for people passing by. Use according to the mounting instruction.

**Example of application**

