Installation : Proposed New Lighting

Project number :
Customer :
Processed by : Mitchell Lea
Date : 16.07.2026

Project description:
All room/exterior area dimensions to be checked on-site prior to ordering.

Calculation based on standard reflectance values as 70/50/20 and Maintenance Factor 0.8.

Lighting designed to CIBSE guidelines where applicable and/or client requirements, all stated lux values are for overall averages across the room reference plane.

It is the responsibility of the customer to ensure any scheme provided by Ansell meets all requirements of the end user.

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

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1 Luminaire data

1.1 Ansell, EMERGENCY - Falcon Wall (AFW/1/W/3NM/ST)

1.1.1 Data sheet

Manufacturer: Ansell

AFW/1/W/3NM/ST Ceiling mounted luminaire EMERGENCY - Falcon Wall
AFW/1/B/3NM/ST
EMERGENCY
Falcon Wall Self-Test Emergency Black

Supplied c/w Integral Driver and Battery Pack

•Ultra-low profile recessed or surface mounted emergency low-level light suitable for most internal and external applications
•Cutting-edge lens design maximises light output and performance, allowing increased spacing reducing cost
•Integral IP65 open area lens ideal for external escape route installations
•Low level installations provide the required lux levels on the floor reducing the need for ceiling emergency lighting

Available in black and white finishes

Self-test and DALI options available

Operating Temp 5°C to 40°C

• Suitable for both internal and external use
• 6 Year Product Warranty
• IP65

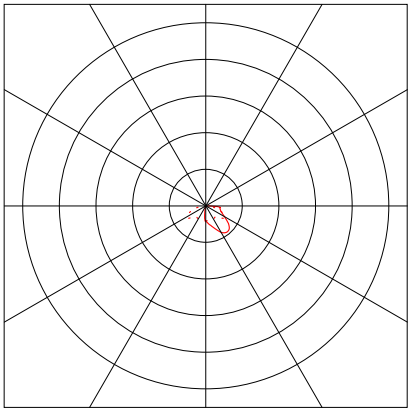
Luminaire data

Absolute Photometry		
Luminaire efficacy	:	27 lm/W
Classification	:	A20 ↓100% ↑0%
CIE Flux Codes	:	17 55 89 100 100
UGR 4H 8H	:	28.4 / 33.5
Control gear	:	Electronic ballast
Power	:	3 W
Luminous flux	:	81 lm

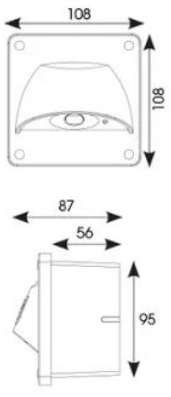
Dimensions : 29 mm x 105 mm x 105 mm

Equipped with

Quantity	:	1
Designation	:	LED
Colour	:	
Socket	:	--







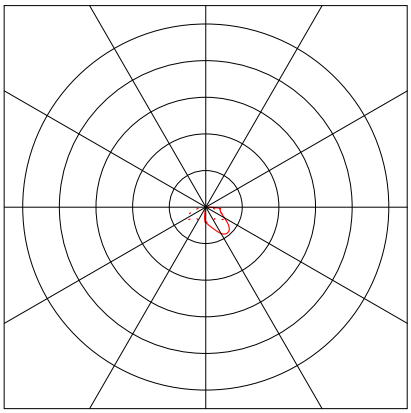
Object :
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1 Luminaire data

1.1 Ansell, EMERGENCY - Falcon Wall (AFW/1/W/3NM/ST)

1.1.1 Data sheet

Emergency Lighting
Emergency lighting with own light source
Absolute Photometry
Luminaire efficacy : 27 lm/W
Power : 3 W
Luminous flux : 81 lm

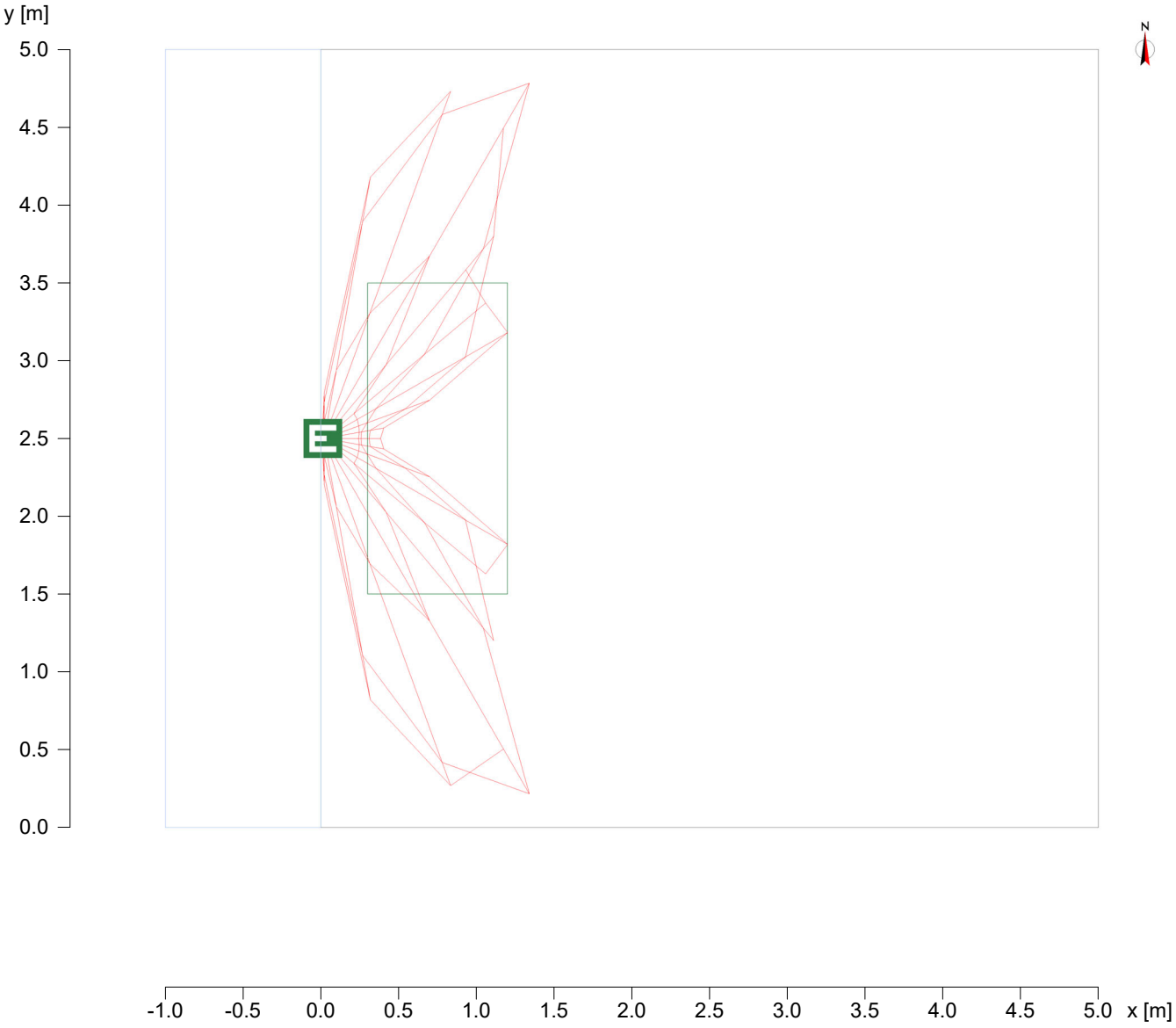


Object :
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2 Exterior 1

2.1 Description, Exterior 1

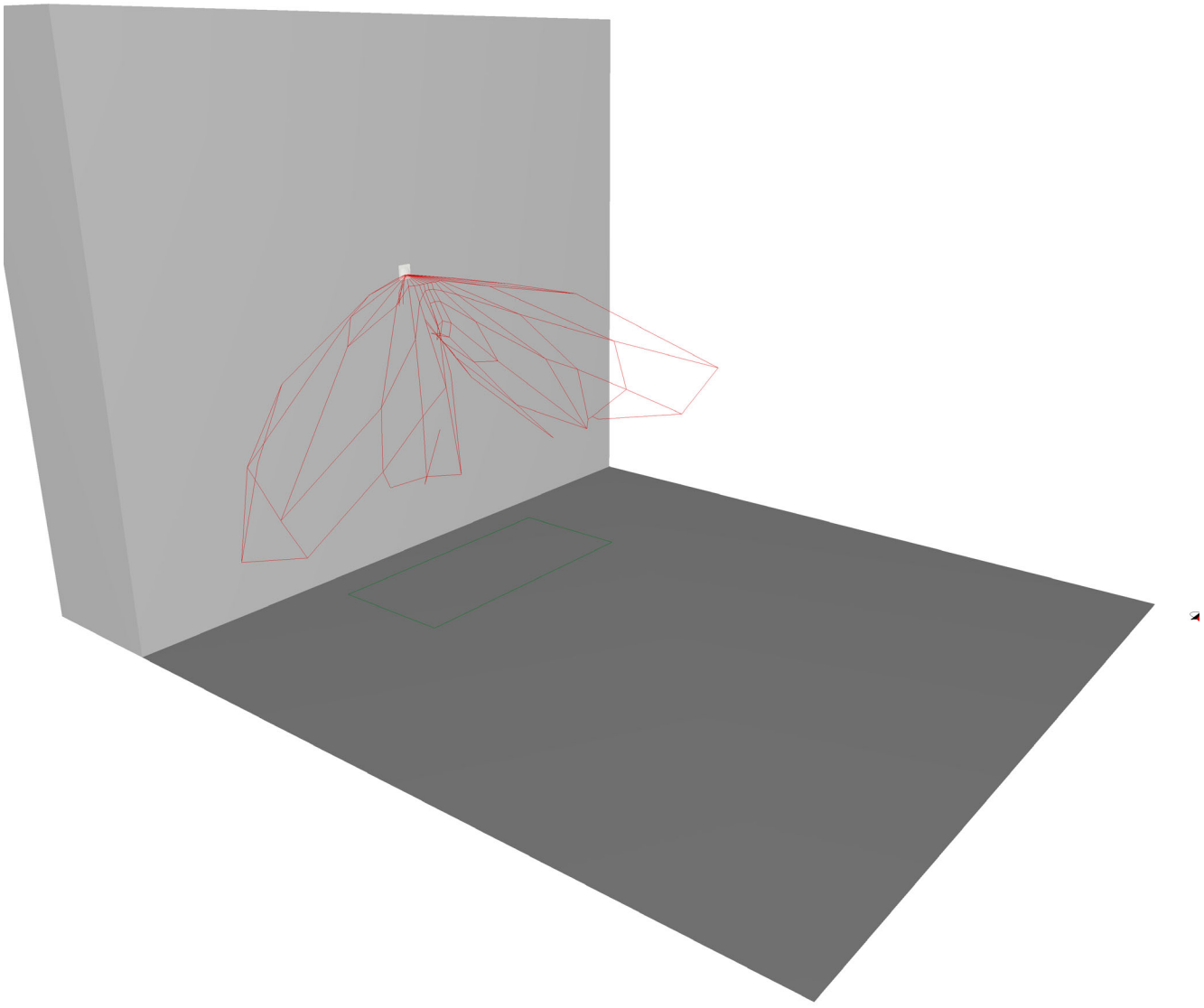
2.1.1 Floor plan



Object :
Installation : Proposed New Lighting
Project number :
Date : 16.07.2026

2.1 Description, Exterior 1

2.1.2 3D view, View 1

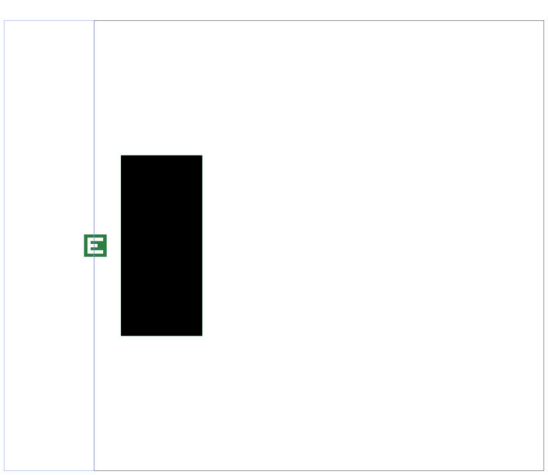


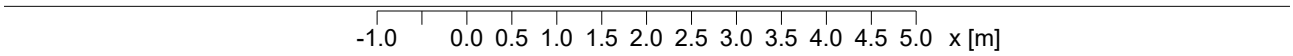
Object :
Installation : Proposed New Lighting
Project number :
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2 Exterior 1

2.2 Summary, Exterior 1

2.2.1.1 Result overview (emergency lighting)







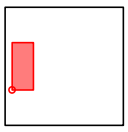
Illuminance [lx]

General

Calculation algorithm used	: Direct component	
Emergency norm	: CEN EN 1838:2024	
Maintenance factor	: 0.8	
Height (phot.centre)	: 2.18 m	
Maximum I	: 81 cd	<= 500 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1			
Calculation field: 0.9m x 2m (5 x 12 pts), Height = 0.00m			
1	1.04 lx	3.58 lx	1: 3.45
	>= 1 lx		>= 1 : 40



Type No.\Make



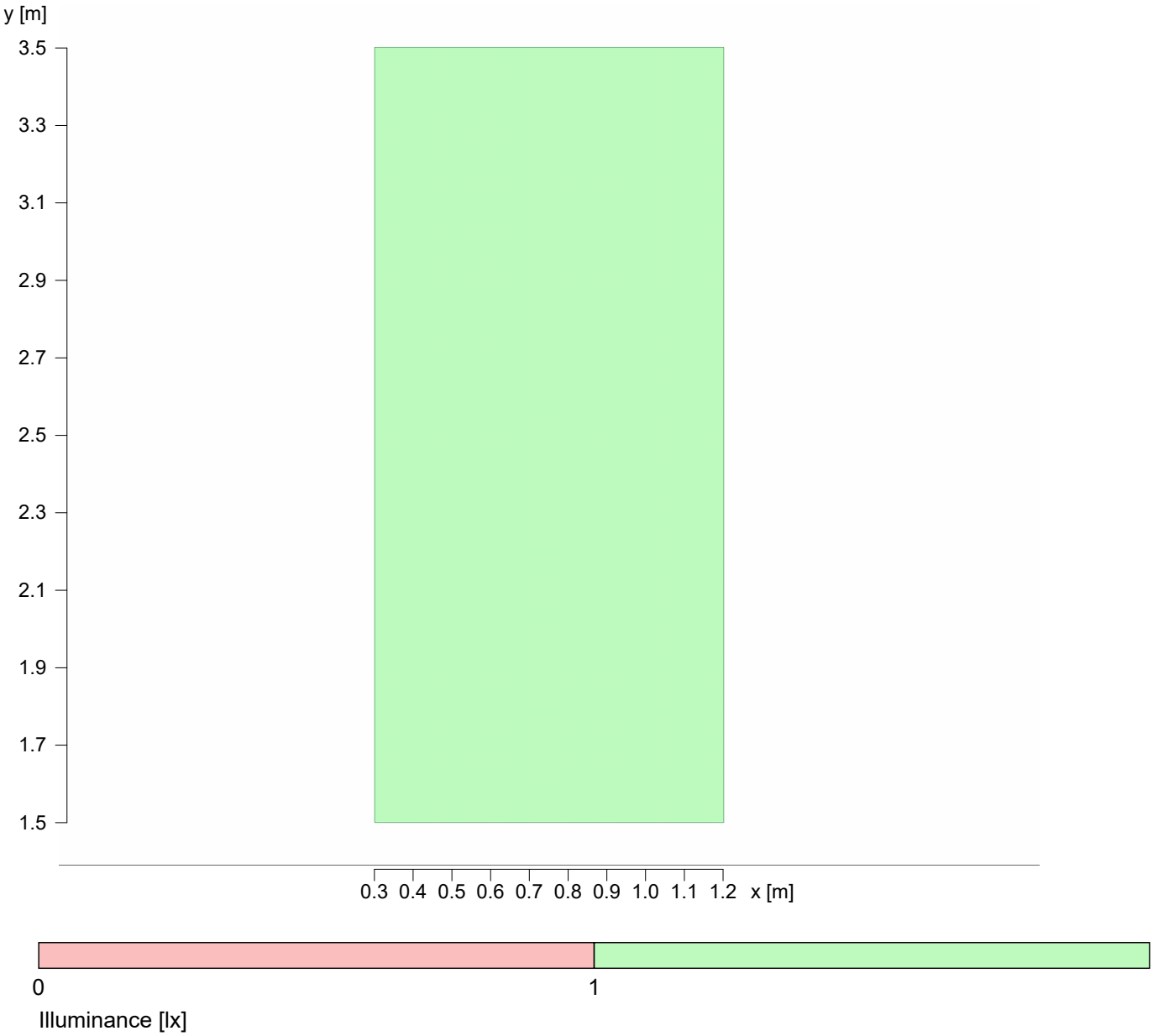
1 1E x **Ansell**

Order No.	: AFW/1/W/3NM/ST -- Emergency Lighting --
Luminaire name	: EMERGENCY - Falcon Wall
Equipment	: 1 x LED 3 W / 81 lm (0%)
Emergency	: 81 lm
Maintenance factor	: 0.80

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2.2 Calculation results, Exterior 1

2.2.2 Boundary line, Anti panic area 1 (E)



Height : 0 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8