

Emergency Lighting

Installation : Tithe Barn, Tisbury

Project number :

Customer :

Processed by : Ian Wilson

Date : 11.03.2016

Project description:
Emergency Lighting

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

Guarantee claims for luminaire data are excluded.

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

Table of contents

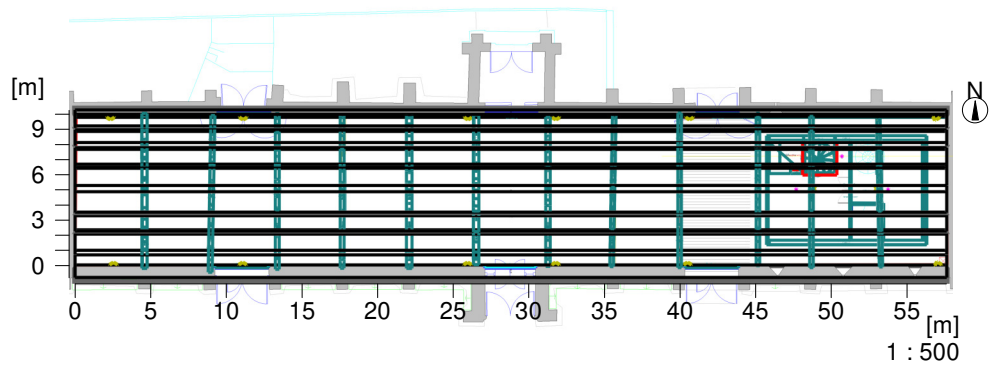
First Page	1
Table of contents	2
1 Main Hall	
1.1 Description, Main Hall	
1.1.1 Floor plan	3
1.1.2 3D view, View 1	4
1.1.3 3D view, View from the front	5
1.1.4 3D view, View from the back	6
1.1.5 3D view, View from the left	7
1.1.6 3D view, View from the right	8
1.2 Calculation results, Main Hall	
1.2.1 Boundary line, Main Barn Area (E)	9
1.2.2 Boundary line, Rasied Floor (E)	10
1.2.3 Boundary line, Raised Reception Area (E)	11
1.2.4 Boundary line, Upper Level (E)	12
2 Entrance Lobby - Door 2	
2.1 Description, Entrance Lobby - Door 2	
2.1.1 Floor plan	13
2.1.2 3D view, View 1	14
2.2 Calculation results, Entrance Lobby - Door 2	
2.2.1 Boundary line, Entrance Lobby - Door 2 (E)	15

Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1 Main Hall

1.1 Description, Main Hall

1.1.1 Floor plan



Room data:

W1 :
W2 :
W3 :
W4 :
W5 :
W6 :

Floor: ----

Ceiling: ----

Room height [m]:

Height of reference plane [m]:

Reflectance:

60.2 %

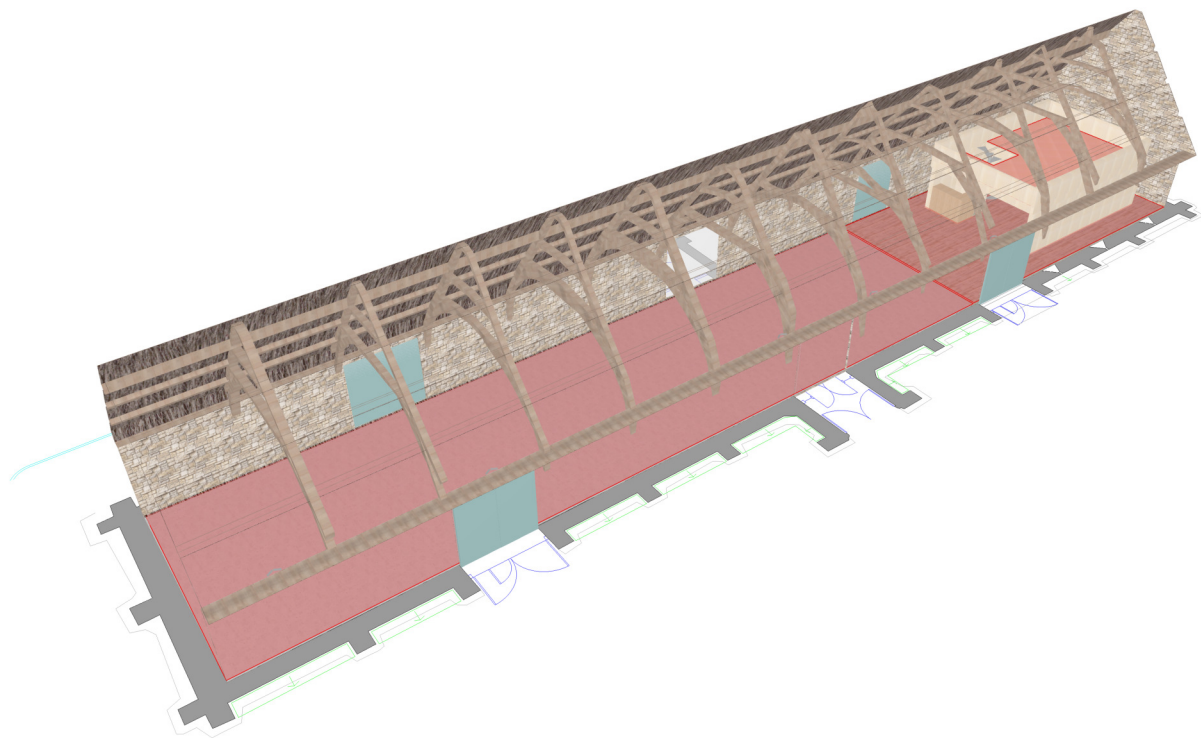
3.90

(Sample)

Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1.1 Description, Main Hall

1.1.2 3D view, View 1



Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1.1 Description, Main Hall

1.1.3 3D view, View from the front



Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1.1 Description, Main Hall

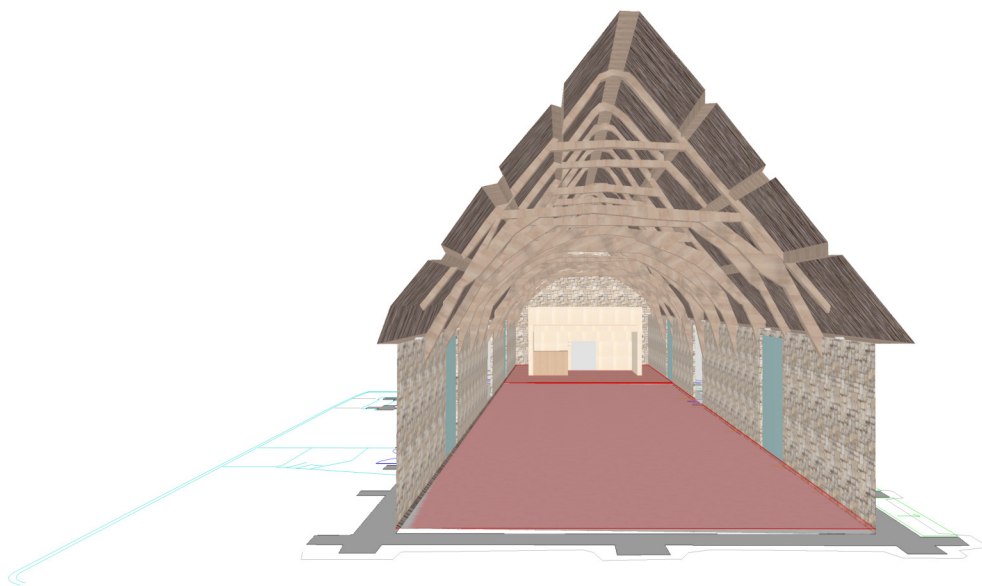
1.1.4 3D view, View from the back



Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1.1 Description, Main Hall

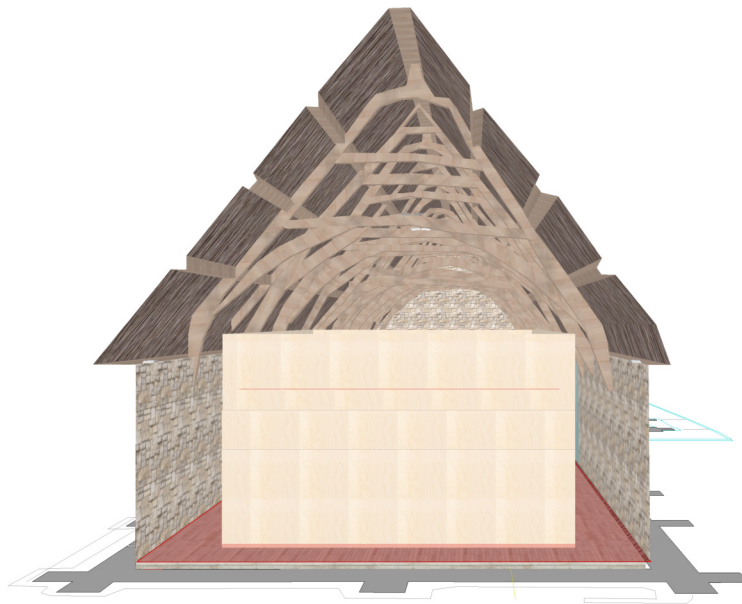
1.1.5 3D view, View from the left



Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1.1 Description, Main Hall

1.1.6 3D view, View from the right

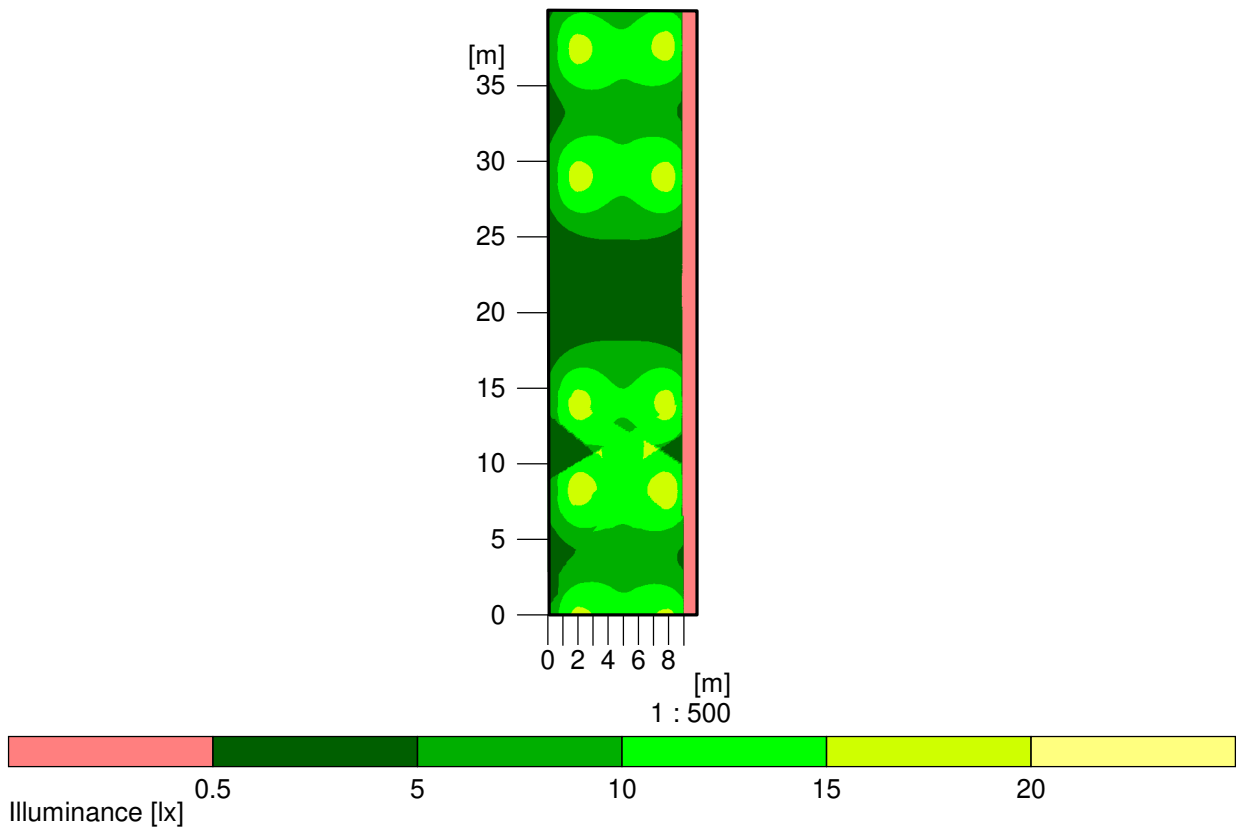


Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1 Main Hall

1.2 Calculation results, Main Hall

1.2.1 Boundary line, Main Barn Area (E)

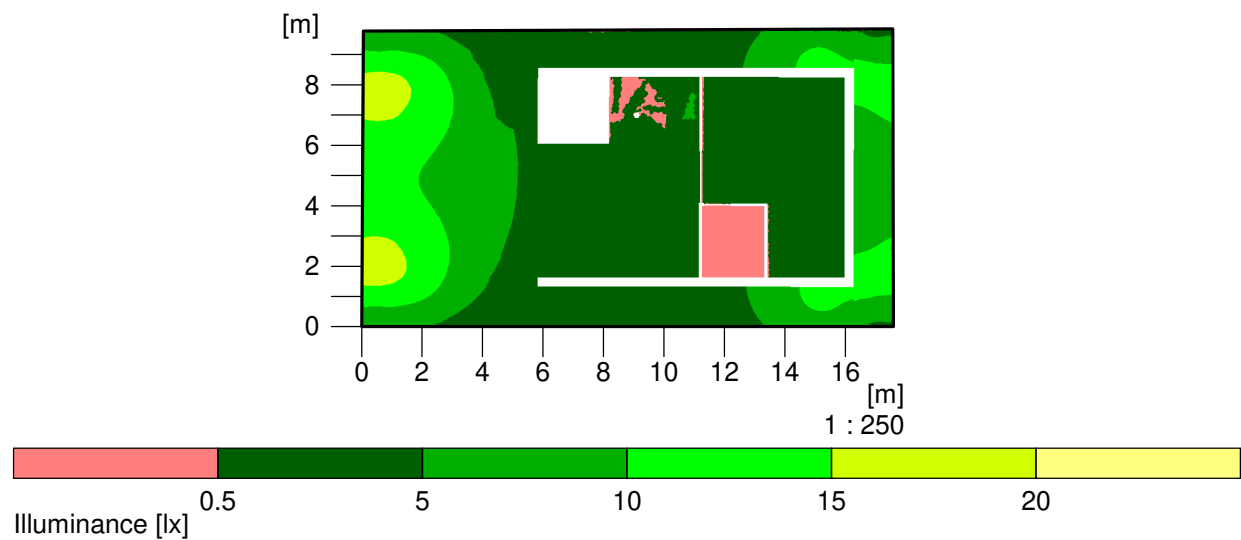


Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 17 lx
Uniformity	Emin/Emax	: --- (Threshold value 1:40)
Height		: 0.1 m
Calculation algorithm used		: Direct component
Reduction factor		: 0.8

Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1.2 Calculation results, Main Hall

1.2.2 Boundary line, Rasied Floor (E)

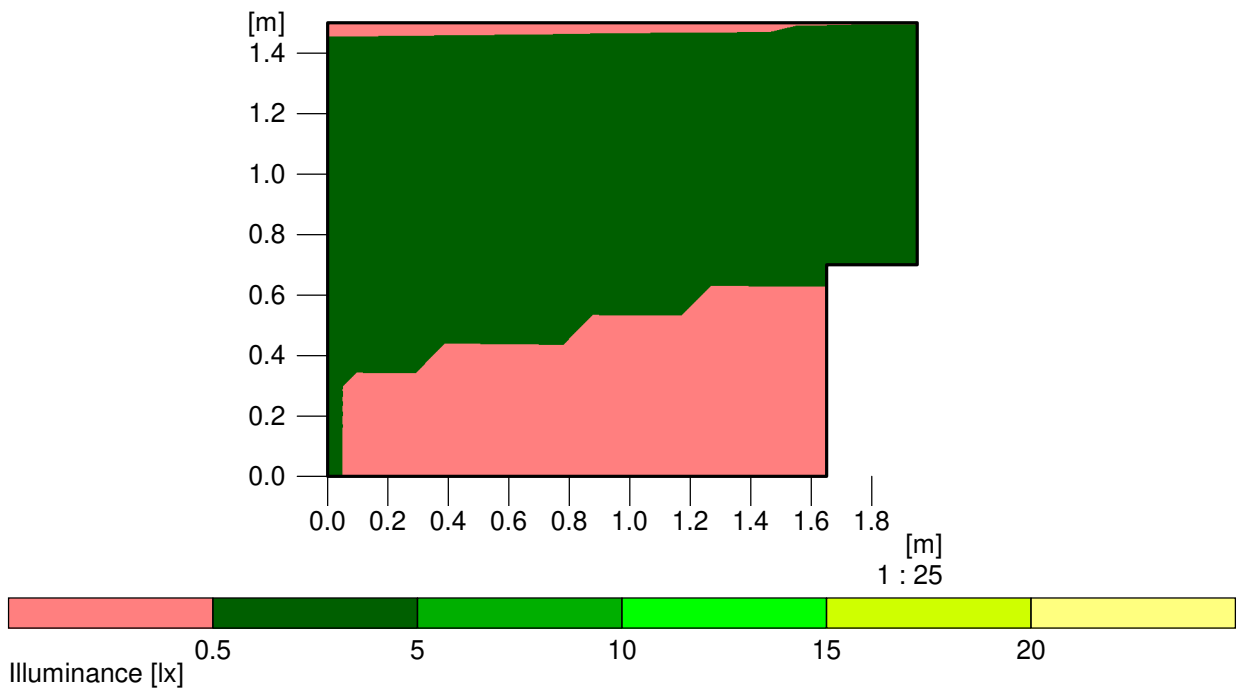


Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 17 lx
Uniformity	Emin/Emax	: --- (Threshold value 1:40)
Height		: 0.1 m
Calculation algorithm used		: Direct component
Reduction factor		: 0.8

Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1.2 Calculation results, Main Hall

1.2.3 Boundary line, Raised Reception Area (E)

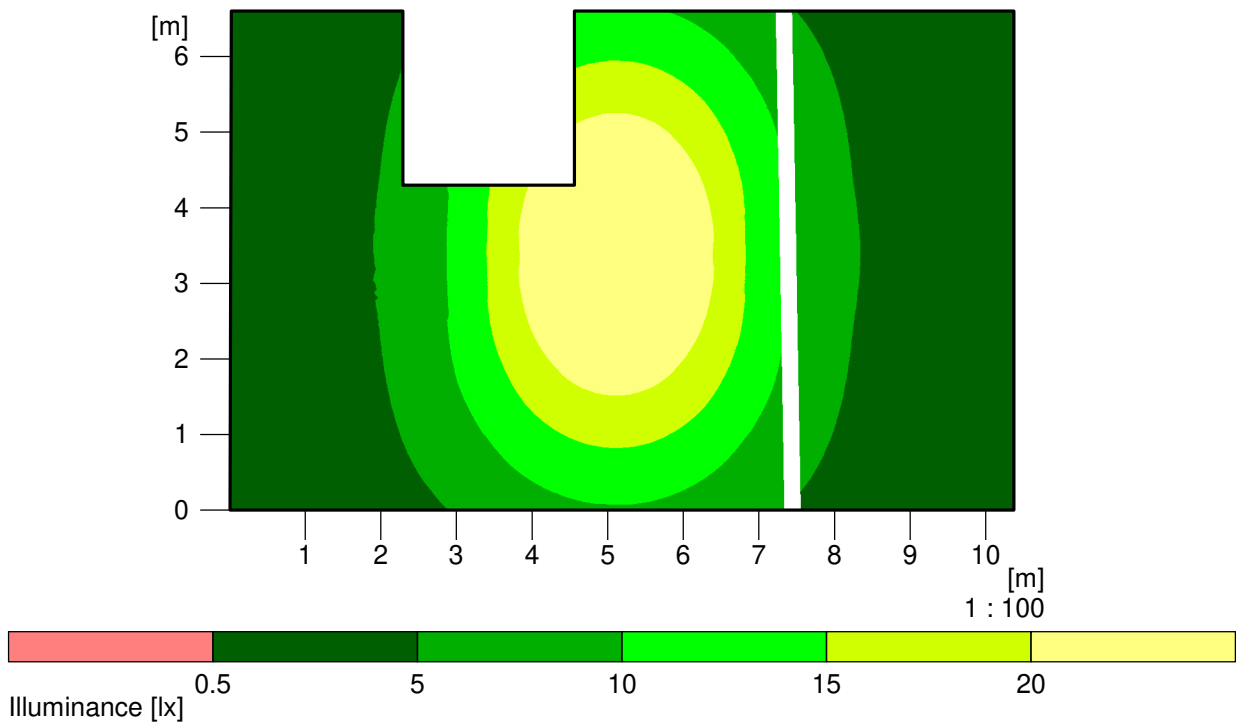


Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 2.3 lx
Uniformity	Emin/Emax	: --- (Threshold value 1:40)
Height		: 0.4 m
Calculation algorithm used		: Direct component
Reduction factor		: 0.8

Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

1.2 Calculation results, Main Hall

1.2.4 Boundary line, Upper Level (E)



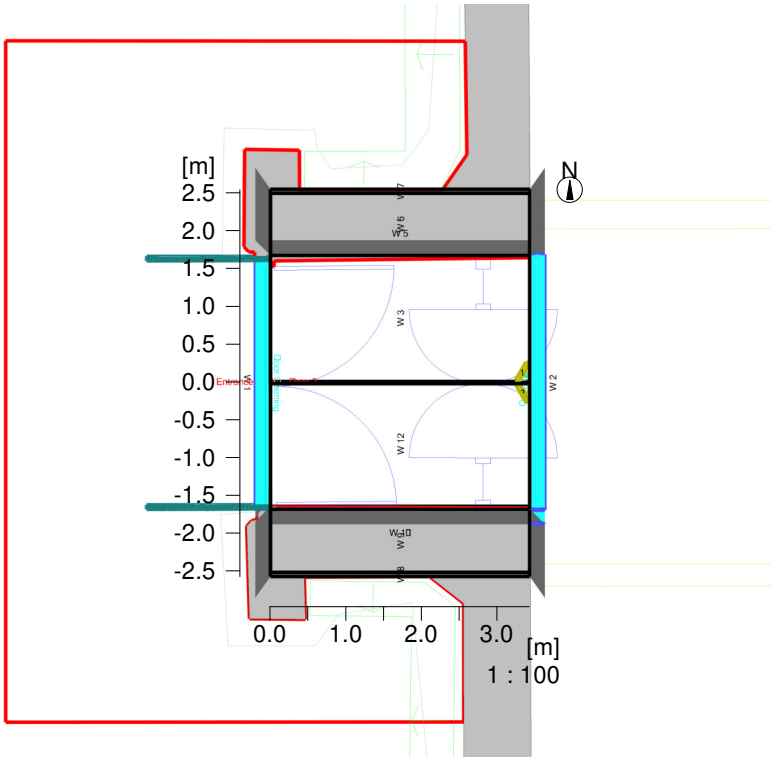
Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 1.2 lx
Maximum illuminance	Emax	: 28 lx
Uniformity	Emin/Emax	: 1 : 22.80 (0.04) (Threshold value 1:40)
Height		: 3.3 m
Calculation algorithm used		: Direct component
Reduction factor		: 0.8

Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

2 Entrance Lobby - Door 2

2.1 Description, Entrance Lobby - Door 2

2.1.1 Floor plan



Room data:

W1 :
W2 :
W3 :
W4 :
W5 :
W6 :

Floor: ----
Ceiling: ----

Room height [m]:
Height of reference plane [m]:
Height of luminaire plane [m]:

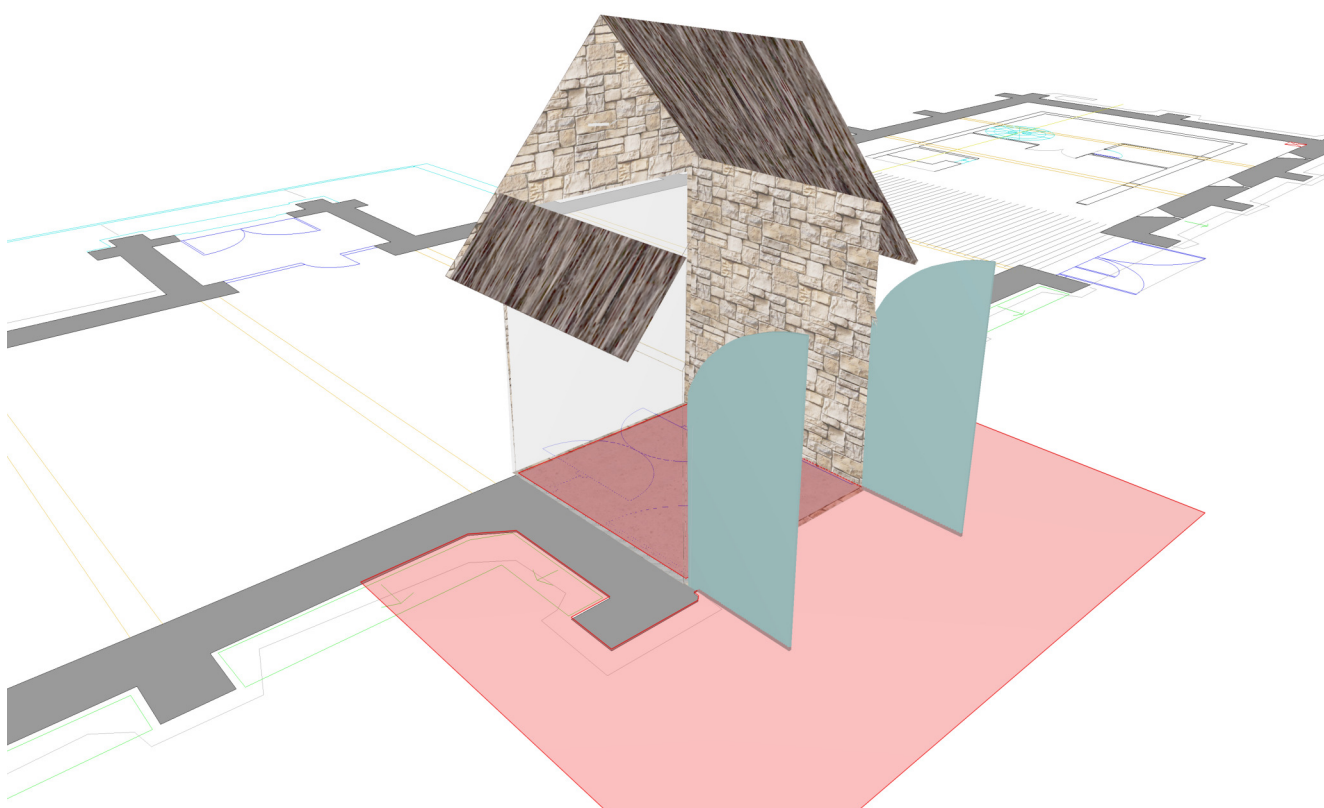
Reflectance:

60.2 %

Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

2.1 Description, Entrance Lobby - Door 2

2.1.2 3D view, View 1



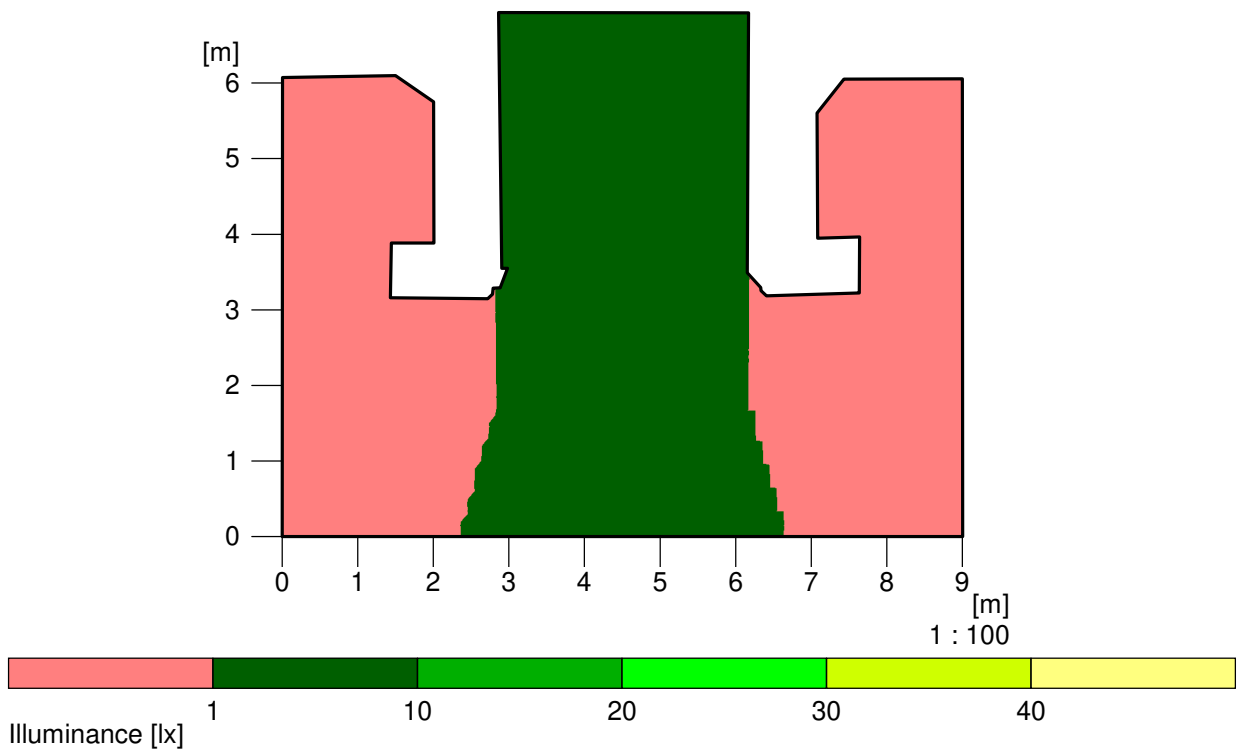
(Sample)

Object : Emergency Lighting
Installation : Tithe Barn, Tisbury
Project number :
Date : 11.03.2016

2 Entrance Lobby - Door 2

2.2 Calculation results, Entrance Lobby - Door 2

2.2.1 Boundary line, Entrance Lobby - Door 2 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 9.9 lx
Uniformity	Emin/Emax	: --- (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Reduction factor		: 0.8