

Hall

Installation : Cringleford Village Hall

Project number : 1

Customer : SMG Architects

Processed by : Jon Phillips

Date : 18.09.2019

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

1.4 NET LED Lighting - Phone:01223851505, FOXTON 1500mm (5ft) 45... (NET-11-11-96 (4...))

1.4.1 Data sheet

Manufacturer: NET LED Lighting - Phone:01223851505

NET-11-11-96 (4000K).IES

FOXTON 1500mm (5ft) 45W Tri-colour LED Linear Luminaire

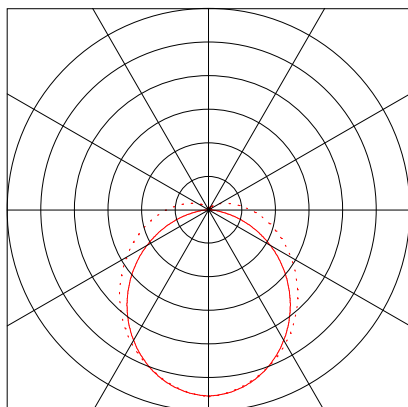
Luminaire data

Luminaire efficiency : 90.8%
Luminaire efficacy : 117.42 lm/W
Classification : A31 ↓91.6% ↑8.4%
CIE Flux Codes : 43 72 90 92 91
UGR 4H 8H : 24.8 / 29.3
Power : 44 W
Luminous flux : 5166.5 lm

Equipped with

Quantity : 1
Designation :
Colour :
Luminous flux : 5690 lm

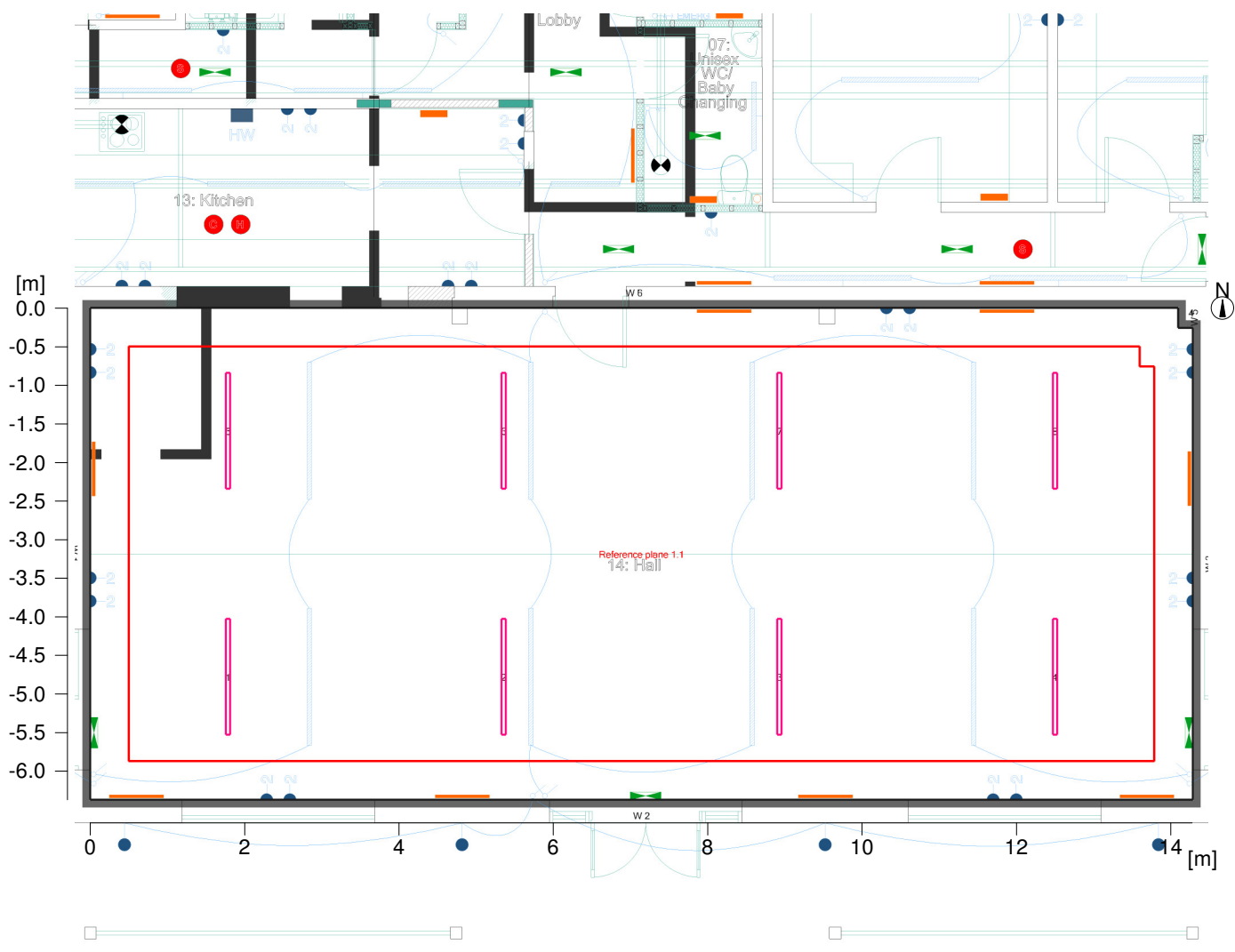
Dimensions : 55 mm x 1500 mm x 1 mm



2 Room 1

2.1 Description, Room 1

2.1.1 Floor plan



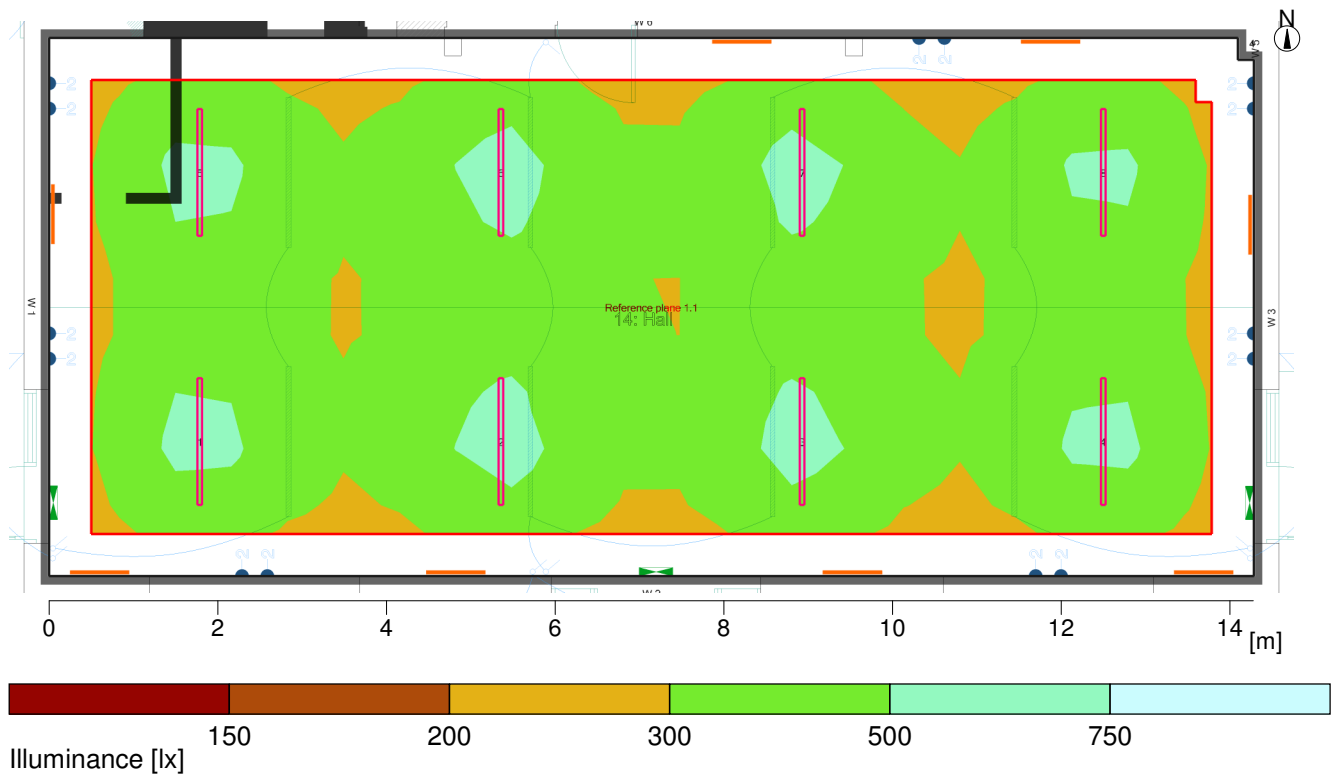
Wall	x	y	Length	Reflectance
1	5.55 m	2.02 m	6.37 m	72.1 %
2	19.83 m	2.02 m	14.28 m	72.1 %
3	19.83 m	8.13 m	6.11 m	72.1 %
4	19.64 m	8.13 m	0.19 m	72.1 %
5	19.64 m	8.39 m	0.26 m	72.1 %
6	5.55 m	8.39 m	14.09 m	72.1 %
Floor				20.0 %
Ceiling				100.0 %
Room height		2.40 m		
Height of ref. plane		0.75 m		

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2 Room 1

2.2 Summary, Room 1

2.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used
Height of luminaire plane
Maintenance factor

Average indirect fraction
2.40 m
0.80

Total luminous flux of all lamps
Total power
Total power per area (90.90 m²)

45520.00 lm
352.0 W
3.87 W/m² (1.05 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
Em
Emin
Emin/Em (Uo)
Emin/Emax (Ud)
UGR (5.3H 11.9H)
Position

369 lx
252 lx
0.68
0.46
<=30.7
0.75 m

Major surfaces

M 1.5 (Ceiling)
M 1.1 (Wall)
M 1.2 (Wall)
M 1.3 (Wall)
M 1.4 (Wall)

Em
94 lx
236 lx
220 lx
233 lx
220 lx

Uo
0.89
0.85
0.78
0.85
0.77

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Type No.\Make

		NET LED Lighting - Phone:01223851505
4	8	Order No. : NET-11-11-96 (4000K).IES
		Luminaire name : FOXTON 1500mm (5ft) 45W Tri-colour LED Linear Luminaire
		Equipment : 1 x 44 W / 5690 lm



phase 3
electrical contractors Ltd