

Hallway

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.

Object : Hallway
Installation : Cringleford Village Hall
Project number : 1
Date : 18.09.2019



1 Luminaire data

1.1 NET LED Lighting - Phone:01223851505, FOXTON 1200mm (4ft) 18... (NET-11-11-91 (4...))

1.1.1 Data sheet

Manufacturer: NET LED Lighting - Phone:01223851505

NET-11-11-91 (4000K).IES

FOXTON 1200mm (4ft) 18w Tri-colour LED Linear Luminaire

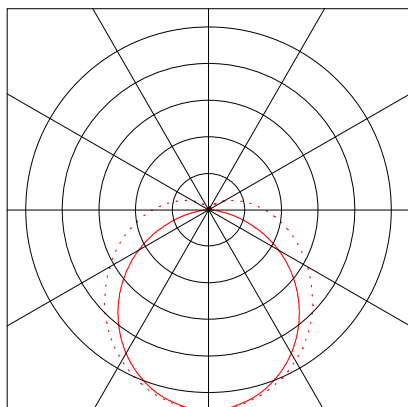
Luminaire data

Luminaire efficiency : 98.6%
Luminaire efficacy : 137.52 lm/W
Classification : A31 ↓90.1% ↑9.9%
CIE Flux Codes : 42 71 89 90 99
UGR 4H 8H : 22.6 / 27.7
Power : 17 W
Luminous flux : 2337.8 lm

Equipped with

Quantity : 1
Designation :
Colour :
Luminous flux : 2371 lm

Dimensions : 55 mm x 1200 mm x 1 mm

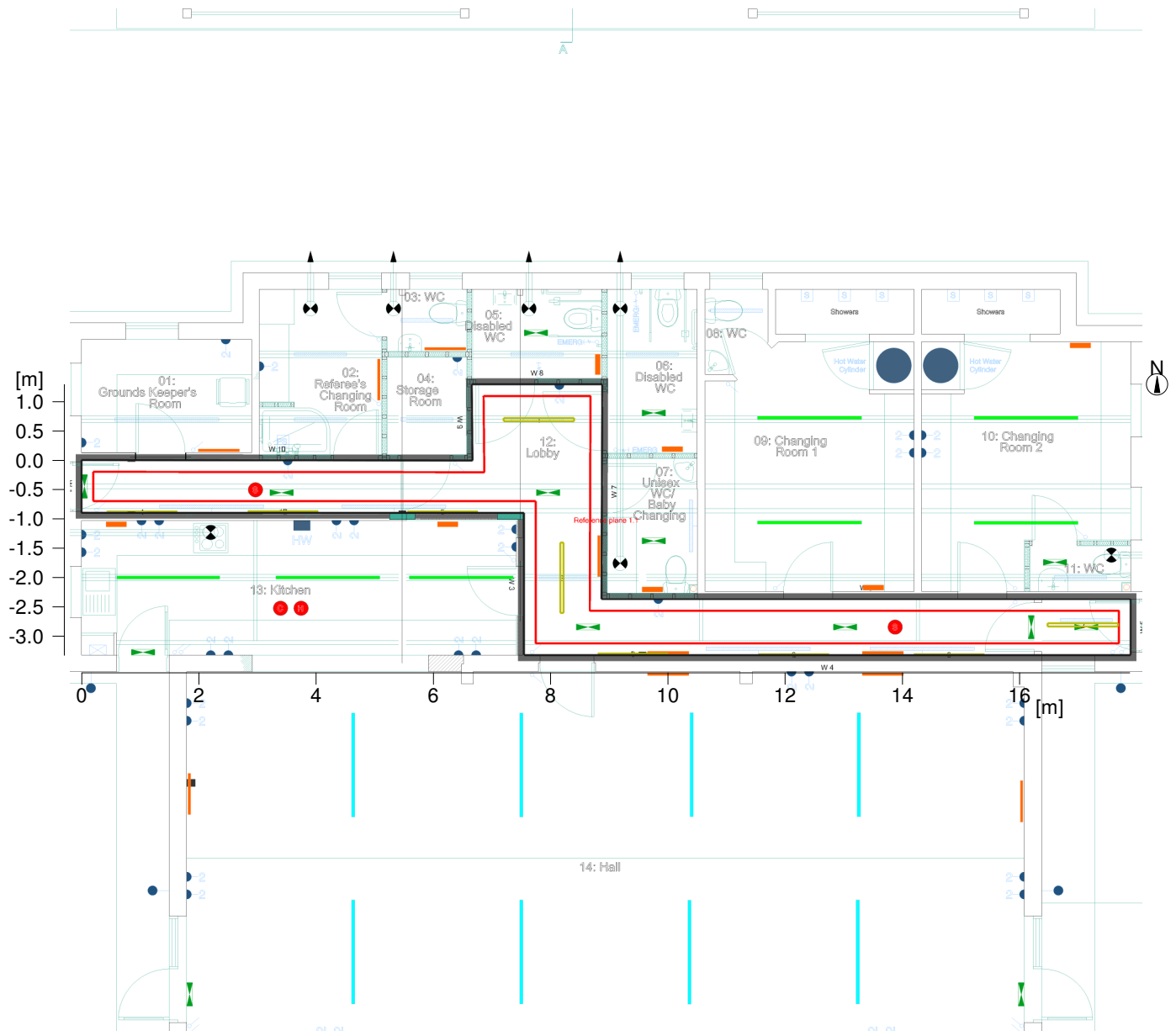


Object : Hallway
Installation : Cringleford Village Hall
Project number : 1
Date : 18.09.2019

2 Room 1

2.1 Description, Room 1

2.1.1 Floor plan



Object : Hallway
Installation : Cringleford Village Hall
Project number : 1
Date : 18.09.2019



2 Room 1

2.1 Description, Room 1

2.1.1 Floor plan

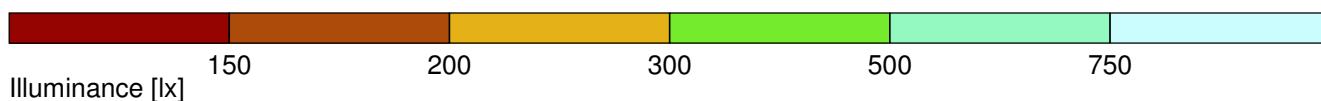
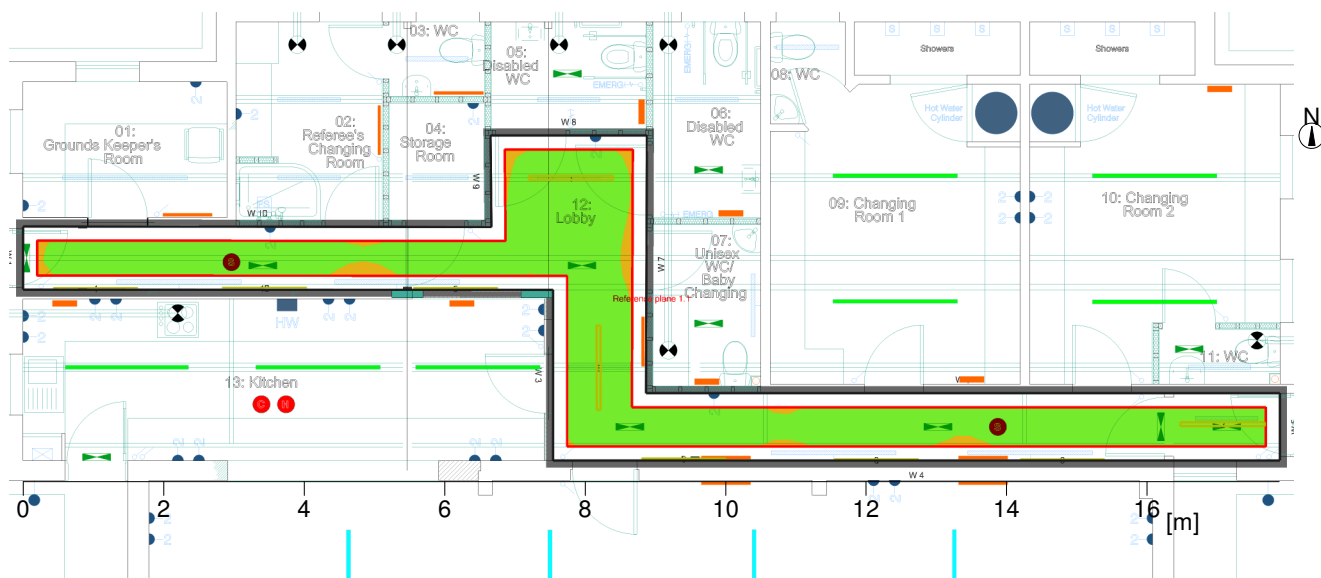
Wall	x	y	Length	Reflectance
1	3.76 m	11.10 m	0.90 m	72.1 %
2	11.30 m	11.09 m	7.54 m	72.1 %
3	11.30 m	8.67 m	2.43 m	72.1 %
4	21.64 m	8.67 m	10.34 m	72.1 %
5	21.64 m	9.63 m	0.96 m	72.1 %
6	12.62 m	9.63 m	9.02 m	72.1 %
7	12.63 m	13.29 m	3.66 m	72.1 %
8	10.41 m	13.29 m	2.23 m	72.1 %
9	10.42 m	11.99 m	1.30 m	72.1 %
10	3.76 m	11.99 m	6.66 m	72.1 %
Floor				20.0 %
Ceiling				100.0 %
Room height		2.40 m		
Height of ref. plane		0.75 m		

Object : Hallway
Installation : Cringleford Village Hall
Project number : 1
Date : 18.09.2019

2 Room 1

2.2 Summary, Room 1

2.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Total luminous flux of all lamps
Total power
Total power per area (22.68 m²)

21339.00 lm
153.0 W
6.75 W/m² (1.95 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
Em
Emin
Emin/Em (Uo)
Emin/Emax (Ud)
Position

345 lx
258 lx
0.75
0.59
0.75 m

Major surfaces

M 1.11 (Ceiling)
M 1.1 (Wall)
M 1.2 (Wall)
M 1.3 (Wall)
M 1.4 (Wall)
M 1.5 (Wall)
M 1.6 (Wall)
M 1.7 (Wall)
M 1.8 (Wall)
M 1.9 (Wall)
M 1.10 (Wall)

Em
324 lx
274 lx
238 lx
285 lx
244 lx
307 lx
307 lx
237 lx
273 lx
215 lx
323 lx

Uo
0.37
0.45
0.42
0.54
0.47
0.42
0.38
0.66
0.53
0.62
0.37

Object : Hallway
Installation : Cringleford Village Hall
Project number : 1
Date : 18.09.2019



2 Room 1

2.2 Summary, Room 1

2.2.1 Result overview, Evaluation area 1

Type No.\Make

NET LED Lighting - Phone:01223851505

1	9	Order No.	: NET-11-11-91 (4000K).IES
		Luminaire name	: FOXTON 1200mm (4ft) 18w Tri-colour LED Linear Luminaire
		Equipment	: 1 x 17 W / 2371 lm

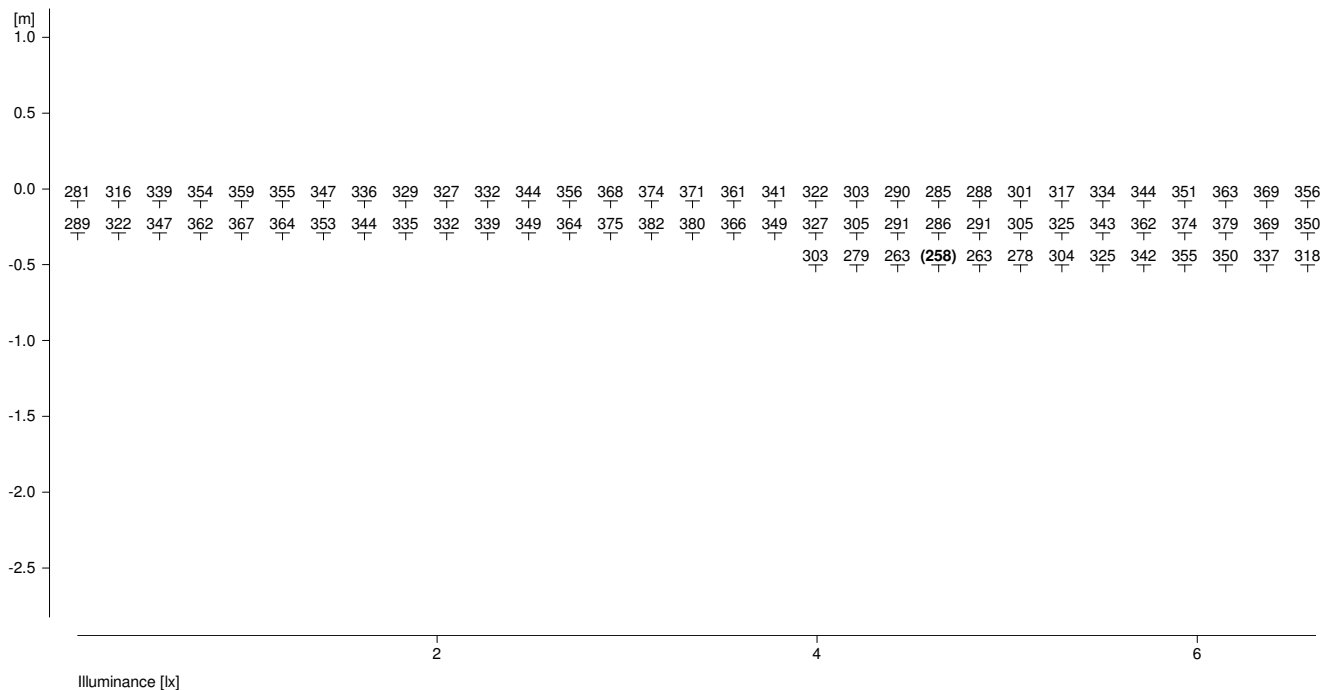
Object : Hallway
 Installation : Cringleford Village Hall
 Project number : 1
 Date : 18.09.2019



2 Room 1

2.3 Calculation results, Room 1

2.3.1 Table, Reference plane 1.1 (E)



Part1

Height reference plane	: 0.75 m
Average illuminance	Em : 345 lx
Minimum illuminance	Emin : 258 lx
Maximum illuminance	Emax : 437 lx
Uniformity Uo	Emin/Em : 1 : 1.34 (0.75)
Diversity Ud	Emin/Emax : 1 : 1.69 (0.59)

The logo for Phase 3 electrical contractors Ltd. It features the word "phase" in a grey, lowercase, sans-serif font, followed by a large, stylized red number "3". Below "phase" is the text "electrical contractors Ltd" in a smaller, red, lowercase, sans-serif font.

Object : Hallway
Installation : Cringleford Village Hall
Project number : 1
Date : 18.09.2019



2 Room 1

2.3 Calculation results, Room 1

2.3.1 Table, Reference plane 1.1 (E)

307	324	341	355	362	362	355	346	339	336	339	348	361	372	377	373	357	325
320	341	360	375	382	382	375	366	358	354	357	368	381	394	400	396	378	345
309	329	347	364	370	371	364	355	348	343	347	355	370	380	386	384	365	333
14										16 [m]							



Part3