BLADEN ELECTRICAL LTD

Technical/Product Data Submission Sheet

Issuing Company : BLADEN ELECTRICAL **Project**: CHROLTON BATHS	**Date of Issue**: 2.5.2025 **Issue Status :** CONSTRUCTION
Title: LUX LEVELS	
Document Ref No: LIGHTING	No of pages inc cover: 61
Issued By CHRIS SLATTERY Where Used : EXTERNAL AREA Contents List PAGE 58 ONWARDS Drawing Refs if Applicable N/A	

Revision History	
Revision	Issue Status/Changes
01	CONSTRUCTION

CHORLTON BATHS DEVELOPMENT

Installation :

Project number	:	CHORLTON BATHS DEVELOPMENT
Customer	:	
Processed by	:	Chris Jones
Date	:	10.04.2024

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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CCL Review Outcome - Status A No Comment

1 Luminaire data

1.1 Dextra Group PLC, AMENITY EXTERIOR (AMEX L15 OW)

1.1.1 Data sheet

Manufacturer: Dextra Group PLC

AMEX L15 OW ceiling mounted luminaire AMENITY EXTERIOR
Amenity Exterior - IP65, IK10
Surface mounted Exterior Luminaire, die cast aluminium body, finished in white powder coat paint, opal polycarbonate diffuser.

Options:
LE3 - Lithium Emergency (197 lumens)
LS3 - Lithium Selftest
LA3 - Lithium Autotest

A - Digital Addressable Lighting Interface (DALI)
C - Bi-Level Dimming (Corridor Function)*
S - Switch Dimming
D - Digital Dimming (DSI)

R25E - Reacta 25, On / Off High Frequency
R25C - Reacta 25, Corridor Mode*
R25W - Reacta-Wave Wireless sensor DALI
R25WE - Reacta-Wave Wireless sensor On/Off
*Bi-Level Dimming. Will only dim the luminaire to 10% during absence and brightout, it will not turn the luminaire off.

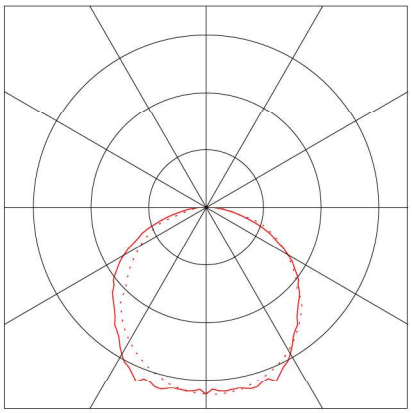
Luminaire data

Absolute Photometry		
Luminaire efficacy	:	94.84 lm/W
Classification	:	A40 ↓98.7% ↑1.3%
CIE Flux Codes	:	45 77 95 99 100
UGR 4H 8H	:	21.1 / 19.9
Control gear	:	electronic ballast
Power	:	9.5 W
Luminous flux	:	901 lm

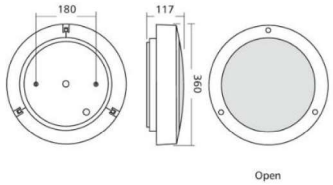
Dimensions : Ø360 mm x 106 mm

Equipped with

Quantity	:	1
Designation	:	Dextra
Colour	:	4000K
Colour reproduction	:	1B







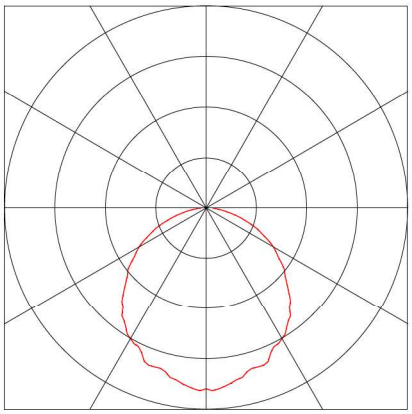
CCL Review Outcome - Status A No Comment

1 Luminaire data

1.1 Dextra Group PLC, AMENITY EXTERIOR (AMEX L15 OW)

1.1.1 Data sheet

Emergency Lighting
Emergency lighting with own light source
Absolute Photometry
Luminaire efficacy : 49.25 lm/W
Power : 4 W
Luminous flux : 197 lm



CCL Review Outcome - Status A No Comment

1 Luminaire data

1.2 Dextra Group PLC, EXI3 (EXI3 M3 LE3)

1.2.1 Data sheet

Manufacturer: Dextra Group PLC

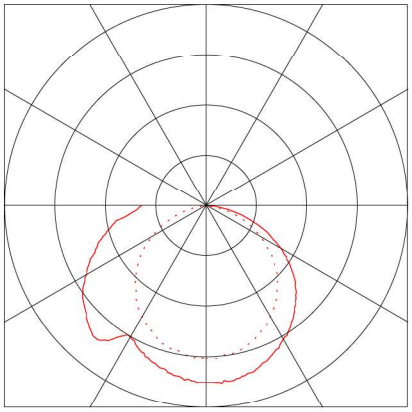
EXI3 M3 LE3 escape luminaires EXI3
EXI3 - IP20
Maintained 3hr Lithium emergency luminaire. All EXI3 variants are supplied with ISO7010 emergency legend pack.

Options:
LS3 - Lithium Emergency Selftest

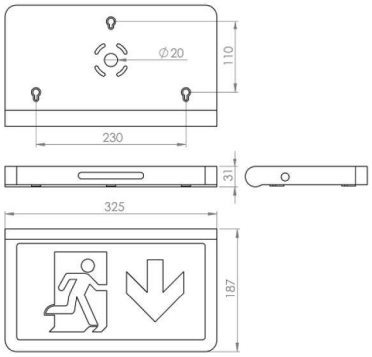
Luminaire data		
Absolute Photometry		
Luminaire efficacy	:	7.44 lm/W
Classification	:	A30 ↓99.9% ↑0.1%
CIE Flux Codes	:	42 74 93 100 100
UGR 4H 8H	:	<10.0 / <10.0
Control gear	:	electronic ballast
Power	:	3.6 W
Luminous flux	:	26.8 lm

Equipped with		
Quantity	:	1
Designation	:	Dextra
Colour	:	6000K
Colour reproduction	:	1B

Dimensions : 325 mm x 187 mm x 31 mm







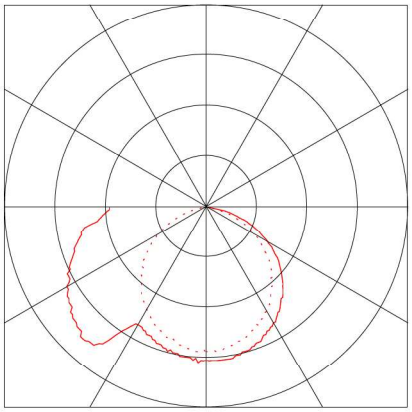
CCL Review Outcome - Status A No Comment

1 Luminaire data

1.2 Dextra Group PLC, EXI3 (EXI3 M3 LE3)

1.2.1 Data sheet

Emergency Lighting
Emergency lighting with own light source
Absolute Photometry
Luminous flux : 17 lm



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CCL Review Outcome - Status A No Comment

1 Luminaire data

1.3 Dextra Group PLC, AME2 (AME2 NM3 LE3)

1.3.1 Data sheet

Manufacturer: Dextra Group PLC

AME2 NM3 LE3 ceiling mounted luminaire AME2
AME2 - IP65, IK07.
Non-Maintained 3hr Lithium emergency luminaire, robust polycarbonate body and lens, white finish with clear reeded diffuser.

Options:
LE3 - Lithium Emergency (171 lumens output)
LS3 - Lithium Selftest
LA3 - Lithium Autotest
CB - Please specify 50v, 110v or 230v when ordering

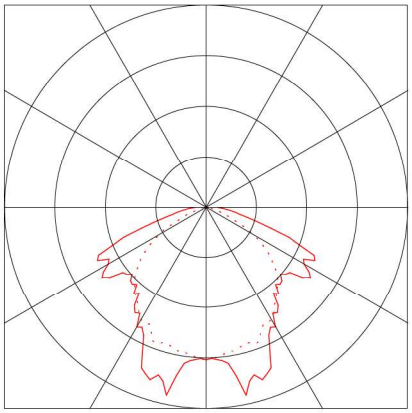
AME ELK - Emergency Legend Kit
AME ELK ISO - Emergency Legend kit ISO 7010

Luminaire data

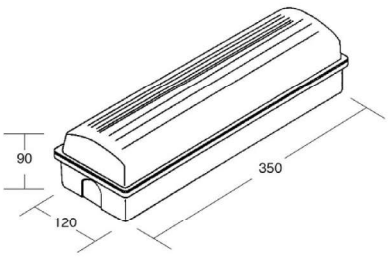
Absolute Photometry		
Luminaire efficacy	:	68.4 lm/W
Classification	:	A40 ↓100.0% ↑0.0%
CIE Flux Codes	:	44 74 95 100 101
UGR 4H 8H	:	18.5 / 14.1
Control gear	:	electronic ballast
Power	:	2.5 W
Luminous flux	:	171 lm
Dimensions	:	350 mm x 120 mm x 90 mm

Equipped with

Quantity	:	1
Designation	:	Dextra
Colour	:	4000K







CCL Review Outcome - Status A No Comment

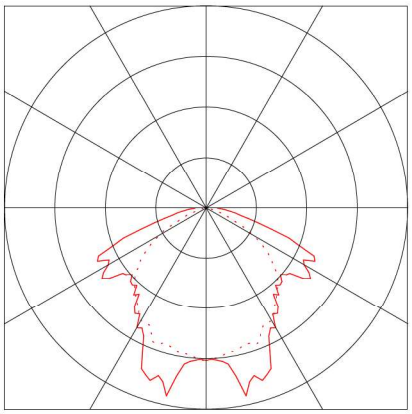
1 Luminaire data

1.3 Dextra Group PLC, AME2 (AME2 NM3 LE3)

1.3.1 Data sheet

Emergency Lighting
Emergency lighting with own light source
Absolute Photometry

Luminaire efficacy	:	68.4 lm/W
Power	:	2.5 W
Luminous flux	:	171 lm



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CCL Review Outcome - Status A No Comment

1 Luminaire data

1.4 Dextra Group PLC, BTEC (BTECM L22)

1.4.1 Data sheet

Manufacturer: Dextra Group PLC

BTECM L22 recessed luminaire BTEC
Btec Medium Downlighter - Ø167mm, IP40
Recessed downlighter with spun aluminium housing, spring steel retaining clips and high transmission polycarbonate diffuser.

Options:
LE3 - Lithium Emergency (476 lumen output)
LS3 - Lithium Selftest
LA3 - Lithium Autotest
CB - Please specify 50v, 110v or 230v when ordering

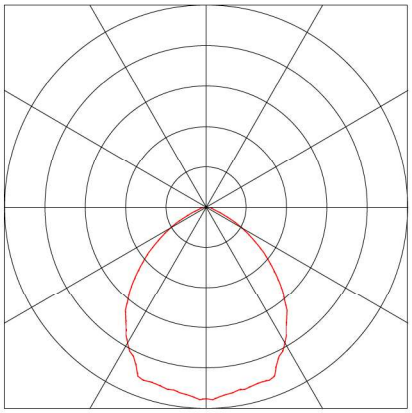
S - Switch Dimming
D - Digital Dimming (DSI)
A - Digital Addressable Lighting Interface (DALI)
C - Bi-Level Dimming (Corridor Function)

Luminaire data

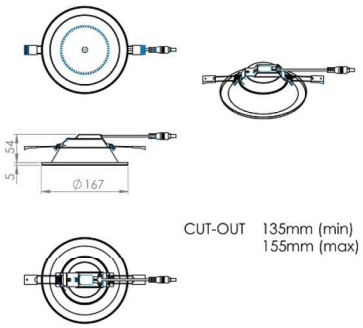
Absolute Photometry		
Luminaire efficacy	:	129.11 lm/W
Classification	:	A50 ↓100.0% ↑0.0%
CIE Flux Codes	:	62 92 99 100 100
UGR 4H 8H	:	25.4 / 25.4
Control gear	:	electronic ballast
Power	:	14.6 W
Luminous flux	:	1885 lm
Dimensions	:	Ø167 mm x 0.0 mm

Equipped with

Quantity	:	1
Designation	:	Dextra
Colour	:	4000K
Colour reproduction	:	1B







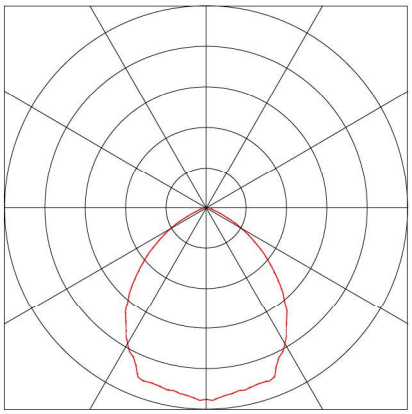
CCL Review Outcome - Status A No Comment

1 Luminaire data

1.4 Dextra Group PLC, BTEC (BTECM L22)

1.4.1 Data sheet

Emergency Lighting
Emergency lighting with own light source
Absolute Photometry
Luminaire efficacy : 158.67 lm/W
Power : 3 W
Luminous flux : 476 lm



CCL Review Outcome - Status A No Comment

1 Luminaire data

1.5 Dextra Group PLC, AMENITY DECORATIVE (AMED L30)

1.5.1 Data sheet

Manufacturer: Dextra Group PLC

AMED L30 ceiling mounted luminaire AMENITY DECORATIVE
Amenity Decorative - IP40, IK08
Circular surface mounted luminaire, white polycarbonate bulkhead, opal polycarbonate diffuser available with various decorative rings.

Options:
LE3 - Lithium Emergency (246 lumens)
LS3 - Lithium Selftest
LA3 - Lithium Autotest

A - Digital Addressable Lighting Interface (DALI)
C - Bi-Level Dimming (Corridor Function)*
S - Switch Dimming
D - Digital Dimming (DSI)

R25E - Reacta 25, On / Off High Frequency
R25C - Reacta 25, Corridor Mode*
R25W - Reacta-Wave Wireless sensor DALI
R25WE - Reacta-Wave Wireless sensor On/Off
*Bi-Level Dimming. Will only dim the luminaire to 10% during absence and brightout, it will not turn the luminaire off.

AMED SRB - Amenity semi recessing kit (330mm cut out)
AMED AWR - Amenity decorative angled white ring
AMED ACR - Amenity decorative angled chrome ring
AMED ABR - Amenity decorative angled brass ring

NL - Night Light (not available with Emergency version)

Luminaire data

Absolute Photometry		
Luminaire efficacy	:	123.2 lm/W
Classification	:	A41 ↓95.0% ↑5.0%
CIE Flux Codes	:	45 75 92 95 100
UGR 4H 8H	:	21.7 / 21.7
Control gear	:	electronic ballast
Power	:	19.7 W
Luminous flux	:	2427 lm
Dimensions	:	Ø428 mm x 131 mm

Equipped with

Quantity	:	1
Designation	:	Dextra
Colour	:	nw/4000K
Colour reproduction	:	1B

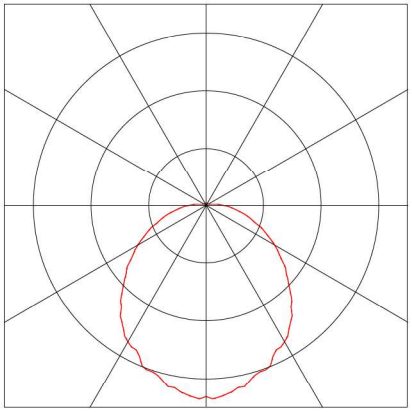
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CCL Review Outcome - Status A No Comment

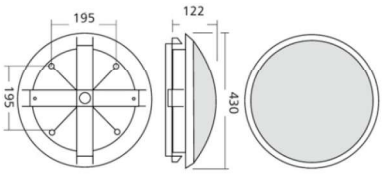
1 Luminaire data

1.5 Dextra Group PLC, AMENITY DECORATIVE (AMED L30)

1.5.1 Data sheet

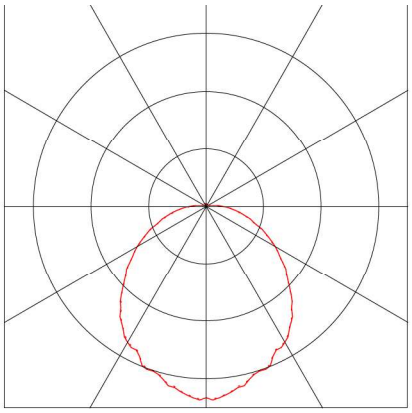






Emergency Lighting
Emergency lighting with own light source
Absolute Photometry

Luminaire efficacy	:	61.5 lm/W
Power	:	4 W
Luminous flux	:	246 lm



CCL Review Outcome - Status A No Comment

1 Luminaire data

1.6 Dextra Group PLC, BTEC (!BTECL L30 LE3)

1.6.1 Data sheet

Manufacturer: Dextra Group PLC

!BTECL L30 LE3 recessed luminaire BTEC
Btec Large Downlighter - Ø220mm, IP40
Recessed downlighter with spun aluminium housing, spring steel retaining clips and high transmission polycarbonate diffuser.

Options:
LE3 - Lithium Emergency (493 lumen output)
LS3 - Lithium Selftest
LA3 - Lithium Autotest
CB - Please specify 50v, 110v or 230v when ordering

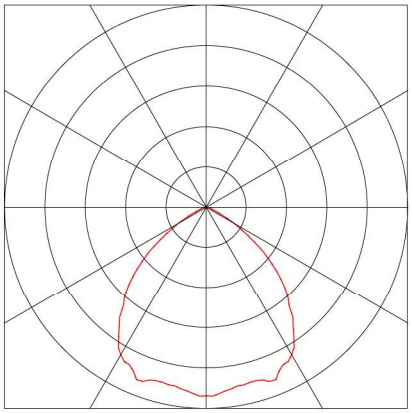
S - Switch Dimming
D - Digital Dimming (DSI)
A - Digital Addressable Lighting Interface (DALI)
C - Bi-Level Dimming (Corridor Function)

Luminaire data

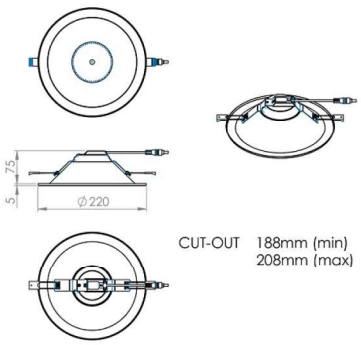
Absolute Photometry		
Luminaire efficacy	:	124.2 lm/W
Classification	:	A50 ↓100.0% ↑0.0%
CIE Flux Codes	:	65 95 99 100 100
UGR 4H 8H	:	22.9 / 23.0
Control gear	:	electronic ballast
Power	:	20.7 W
Luminous flux	:	2571 lm
Dimensions	:	Ø220 mm x 0.0 mm

Equipped with

Quantity	:	1
Designation	:	Dextra
Colour	:	4000K
Colour reproduction	:	1B







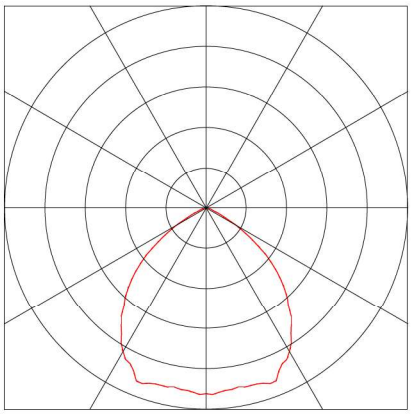
CCL Review Outcome - Status A No Comment

1 Luminaire data

1.6 Dextra Group PLC, BTEC (!BTECL L30 LE3)

1.6.1 Data sheet

Emergency Lighting
Emergency lighting with own light source
Absolute Photometry
Luminaire efficacy : 164.33 lm/W
Power : 3 W
Luminous flux : 493 lm



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CCL Review Outcome - Status A No Comment

1 Luminaire data

1.7 Dextra Group PLC, TYPHON (TYP L38 PC 4S)

1.7.1 Data sheet

Manufacturer: Dextra Group PLC

TYP L38 PC 4S ceiling mounted luminaire TYPHON
Typhon - 1200mm Single, IP65
Surface mounted moisture resistant luminaire. GRP body, polycarbonate diffuser. Complete with tooled access Stainless steel diffuser retaining clips.

Options:
LE3 - Lithium Emergency (423 lumen output)
LS3 - Lithium Selftest
LA3 - Lithium Autotest

S - Switch Dimming
D - Digital Dimming (DSI)
A - Digital Addressable Lighting Interface (DALI)
C - Bi-Level Dimming (Corridor Function)
H - High Frequency Dimming (Analogue 1-10v)

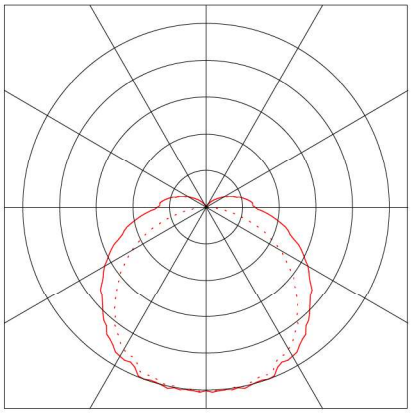
Luminaire data

Absolute Photometry		
Luminaire efficacy	:	139.66 lm/W
Classification	:	B31 ↓89.4% ↑10.6%
CIE Flux Codes	:	40 70 89 89 100
UGR 4H 8H	:	23.0 / 20.6
Control gear	:	electronic ballast
Power	:	23.4 W
Luminous flux	:	3268 lm

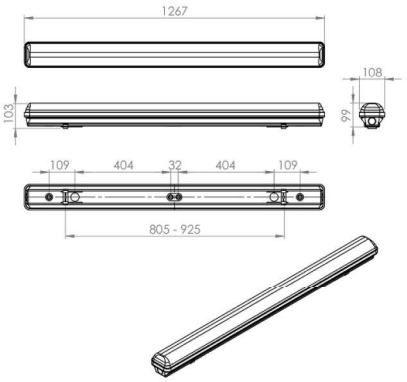
Dimensions : 1267 mm x 108 mm x 105 mm

Equipped with

Quantity	:	1
Designation	:	Dextra
Colour	:	4000K
Colour reproduction	:	1B







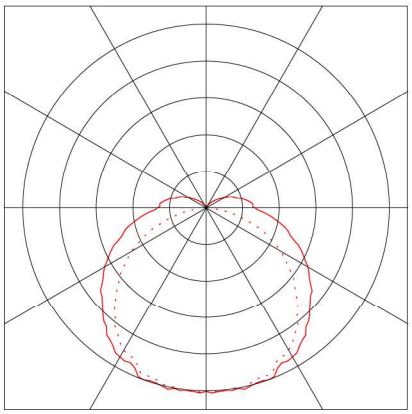
CCL Review Outcome - Status A No Comment

1 Luminaire data

1.7 Dextra Group PLC, TYPHON (TYP L38 PC 4S)

1.7.1 Data sheet

Emergency Lighting
Emergency lighting with own light source
Absolute Photometry
Luminaire efficacy : 141 lm/W
Power : 3 W
Luminous flux : 423 lm



CCL Review Outcome - Status A No Comment

1 Luminaire data

1.8 Dextra Group PLC, TYPHON (TYP L54 PC 5S)

1.8.1 Data sheet

Manufacturer: Dextra Group PLC

TYP L54 PC 5S ceiling mounted luminaire TYPHON
Typhon - 1500mm Single, IP65
Surface mounted moisture resistant luminaire. GRP body, polycarbonate diffuser. Complete with tooled access Stainless steel diffuser retaining clips.

Options:
LE3 - Lithium Emergency (421 lumen output)
LS3 - Lithium Selftest
LA3 - Lithium Autotest

S - Switch Dimming
D - Digital Dimming (DSI)
A - Digital Addressable Lighting Interface (DALI)
C - Bi-Level Dimming (Corridor Function)
H - High Frequency Dimming (Analogue 1-10v)

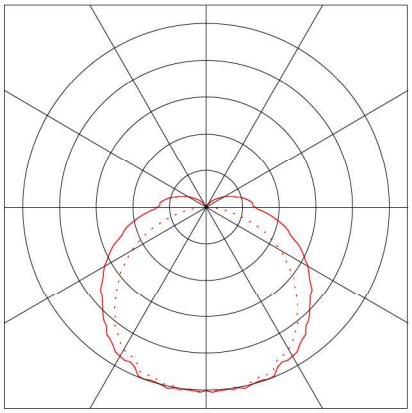
Luminaire data

Absolute Photometry		
Luminaire efficacy	:	146.5 lm/W
Classification	:	B31 ↓89.4% ↑10.6%
CIE Flux Codes	:	40 70 89 89 100
UGR 4H 8H	:	23.5 / 21.2
Control gear	:	electronic ballast
Power	:	31.7 W
Luminous flux	:	4644 lm

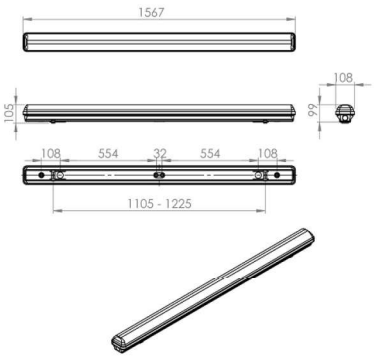
Dimensions : 1567 mm x 108 mm x 105 mm

Equipped with

Quantity	:	1
Designation	:	Dextra
Colour	:	4000K
Colour reproduction	:	1B







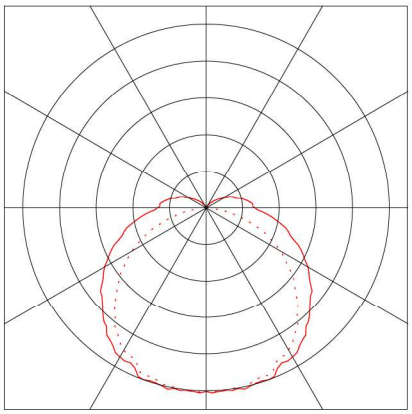
CCL Review Outcome - Status A No Comment

1 Luminaire data

1.8 Dextra Group PLC, TYPHON (TYP L54 PC 5S)

1.8.1 Data sheet

Emergency Lighting
Emergency lighting with own light source
Absolute Photometry
Luminaire efficacy : 140.33 lm/W
Power : 3 W
Luminous flux : 421 lm



CCL Review Outcome - Status A No Comment

1 Luminaire data

1.9 Dextra Group PLC, OPUS COLUMN SMALL (OPUCSL L60 OA)

1.9.1 Data sheet

Manufacturer: Dextra Group PLC

OPUCSL L60 OA bollard / pole mounted luminaires OPUS COLUMN SMALL
Opus Column Small - IP65
Column top mounted open area luminaire, matt grey weather resistant and salt spray tested paint finish. Aluminium housing and polycarbonate front cover. Integral column spigot fixing mechanism included and supplied with 10m prewired flex to facilitate installation.

Options:
PH - Photocell

NEM - NEMA Socket
S40 - 40-50mm Spigot
S50 - 50-60mm Spigot
S60 - 60-76mm Spigot
OPUC WB - Opus Column Wall Mount Bracket

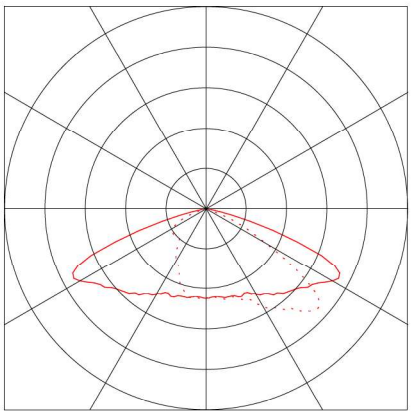
C73 - CRI 70 3000K

Luminaire data

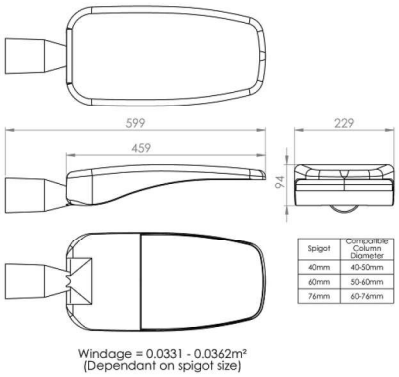
Absolute Photometry		
Luminaire efficacy	:	145.12 lm/W
Classification	:	A30 ↓100.0% ↑0.0%
CIE Flux Codes	:	37 78 99 100 100
UGR 4H 8H	:	31.3 / 21.4
Control gear	:	electronic ballast
Power	:	34.4 W
Luminous flux	:	4992 lm
Dimensions	:	460 mm x 225 mm x 90 mm

Equipped with

Quantity	:	1
Designation	:	Dextra
Colour	:	4000K
Colour reproduction	:	2







CCL Review Outcome - Status A No Comment

2 Stairs

2.1 Description, Stairs

2.1.1 Floor plan



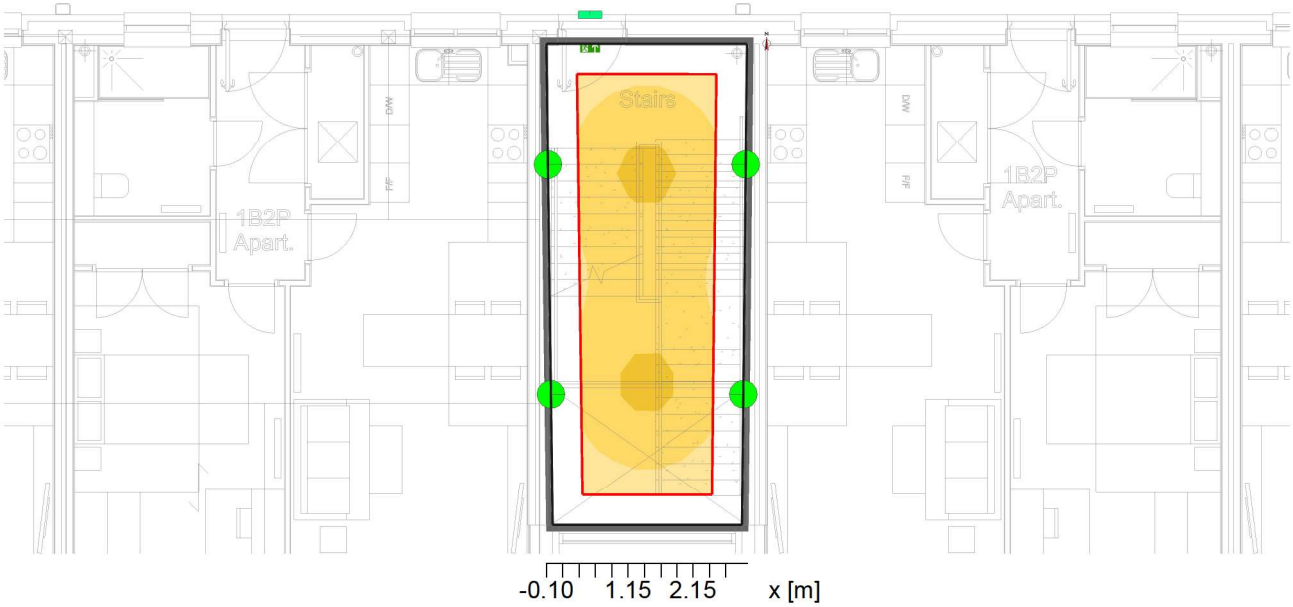
Wall	x	y	Length	Reflectance
1	130.03 m	85.23 m	2.90 m	50.0 %
2	130.11 m	92.58 m	7.35 m	50.0 %
3	127.03 m	92.58 m	3.08 m	50.0 %
4	127.13 m	85.23 m	7.35 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

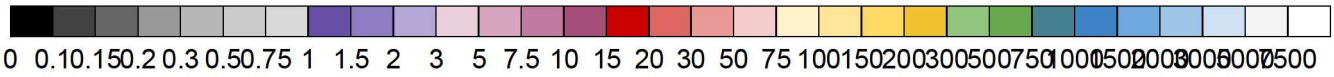
CCL Review Outcome - Status A No Comment

2 Stairs

2.2 Summary, Stairs

2.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	9734.80 lm
Total power	82.4 W
Total power per area (21.99 m²)	3.75 W/m² (2.18 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1** Horizontal	cylindrical
$\bar{E}_m$	172 lx	99 lx
E_{min}	116 lx	74 lx
$E_{min}/\bar{E}_m$ (U_o)	0.68	0.75
E_{min}/E_{max} (U_d)	0.56	
E_z/E_h		0.48
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.5 (Ceiling)	208 lx	0.46
M 1.1 (Wall)	138 lx	0.76
M 1.2 (Wall)	154 lx	0.60
M 1.3 (Wall)	154 lx	0.71
M 1.4 (Wall)	155 lx	0.60

Type No.\Make

CCL Review Outcome - Status A No Comment

2 Stairs

2.2 Summary, Stairs

2.2.1 Result overview, Evaluation area 1

Dextra Group PLC

6 1 x



Order No. : EXI3 M3 LE3
Luminaire name : EXI3
Equipment : 1 x Dextra 3.6 W / 26.8 lm
Emergency : 17 lm (63.4 %)

14 4 x



Order No. : !AMED L30 LE3
Luminaire name : AMENITY DECORATIVE
Equipment : 1 x Dextra 19.7 W / 2427 lm
Emergency : 246 lm (10.1 %)

CCL Review Outcome - Status A No Comment

3 Walkway

3.1 Description, Walkway

3.1.1 Floor plan



CCL Review Outcome - Status A No Comment

3 Walkway

3.1 Description, Walkway

3.1.1 Floor plan

Wall	x	y	Length	Reflectance
1	115.92 m	94.83 m	35.88 m	50.0 %
2	115.92 m	96.59 m	1.76 m	50.0 %
3	127.09 m	100.05 m	11.70 m	50.0 %
4	127.07 m	94.96 m	5.09 m	50.0 %
5	130.10 m	94.97 m	3.03 m	50.0 %
6	130.00 m	100.95 m	5.99 m	50.0 %
7	147.41 m	106.34 m	18.22 m	50.0 %
8	146.88 m	108.06 m	1.80 m	50.0 %
9	108.28 m	96.11 m	40.41 m	50.0 %
10	108.31 m	93.06 m	3.05 m	50.0 %
11	151.75 m	93.02 m	43.45 m	50.0 %
12	151.80 m	94.85 m	1.83 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		----		

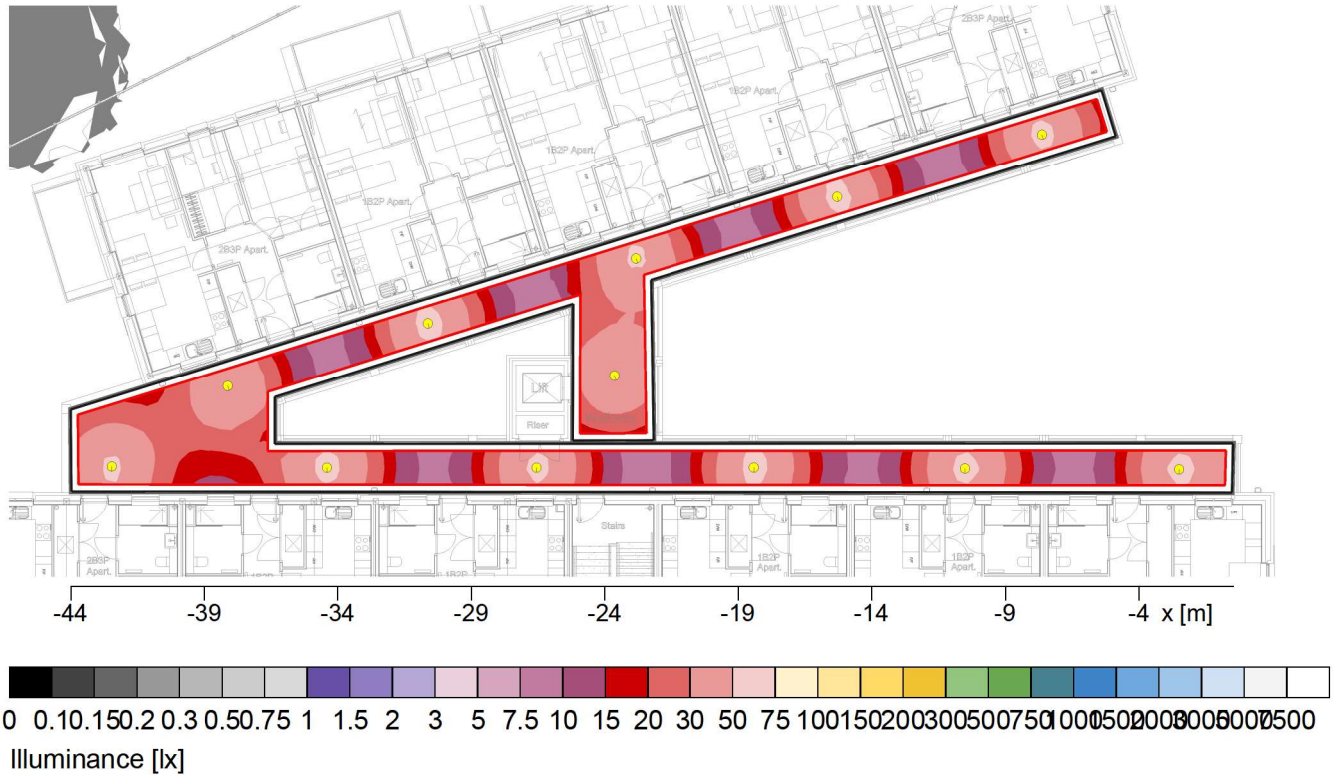
Chris Jones 07584 528120
Cjones@dextragroup.co.uk

CCL Review Outcome - Status A No Comment

3 Walkway

3.2 Summary, Walkway

3.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	2.50 m
Maintenance factor	0.80
Total luminous flux	10812.00 lm
Total power	114.0 W
Total power per area (172.28 m²)	0.66 W/m² (2.38 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	27.8 lx	11.6 lx
E_{min}	8.1 lx	5.5 lx
$E_{min}/\bar{E}_m$ (U_o)	0.29	0.48
E_{min}/E_{max} (U_d)	0.15	
E_z/E_h		0.37
Position	0.00 m (rot: 0°/0.03°)	0.00 m (rot: 0°/0.03°)

Major surfaces	$\bar{E}_m$	U_o
M 1.64 (Ceiling)	8.51 lx	0.34
M 1.52 (Wall)	23.2 lx	0.16
M 1.53 (Wall)	18.7 lx	0.54
M 1.54 (Wall)	17.2 lx	0.23
M 1.55 (Wall)	21.2 lx	0.39
M 1.56 (Wall)	16.4 lx	0.62
M 1.57 (Wall)	23.2 lx	0.41
M 1.58 (Wall)	21.4 lx	0.18
M 1.59 (Wall)	16.4 lx	0.63
M 1.60 (Wall)	21.8 lx	0.17

CCL Review Outcome - Status A No Comment

3 Walkway

3.2 Summary, Walkway

3.2.1 Result overview, Evaluation area 1

M 1.61 (Wall)	27 lx	0.47
M 1.62 (Wall)	23.1 lx	0.16
M 1.63 (Wall)	26.5 lx	0.64

Type No.\Make

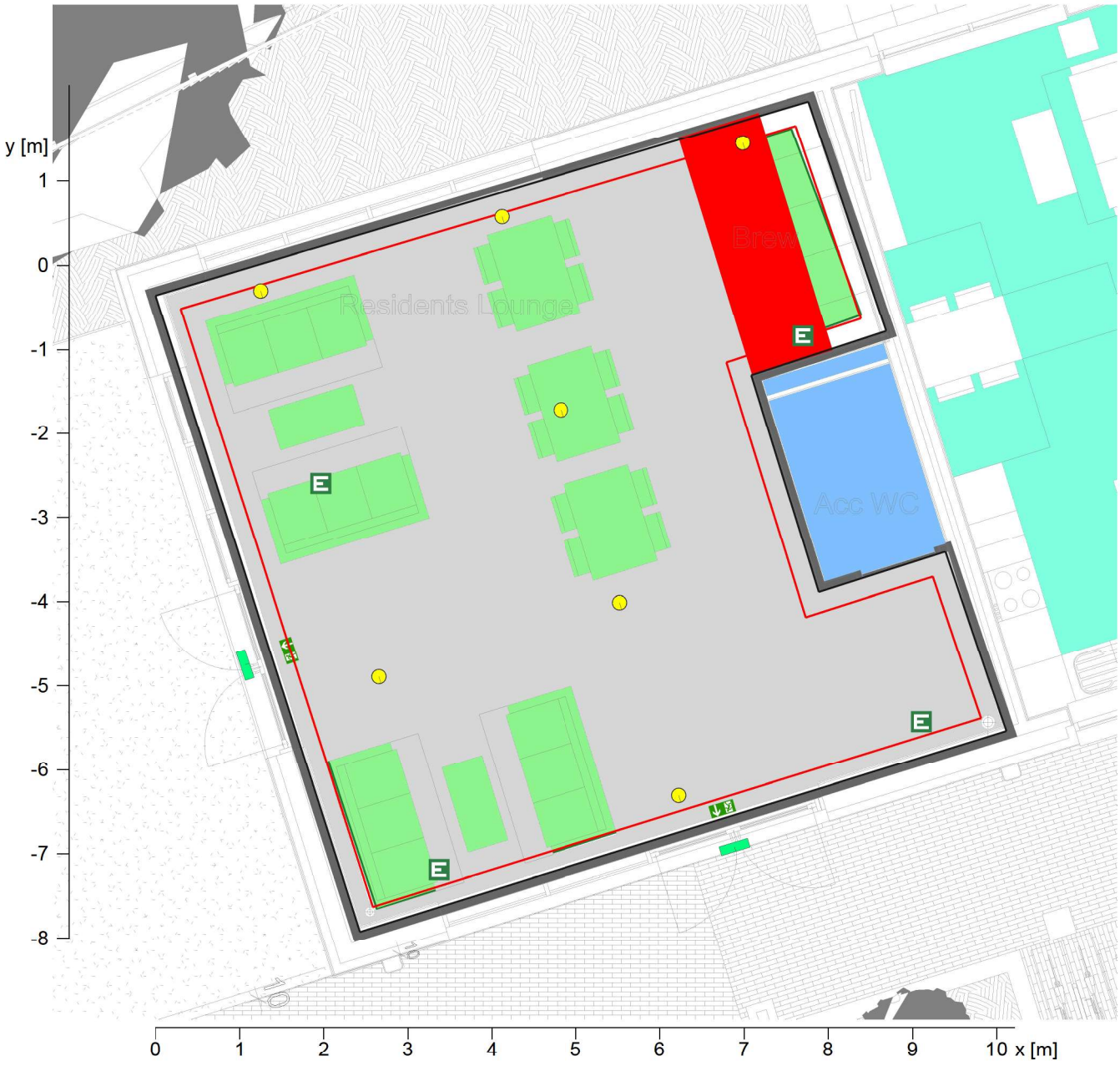
1 12 x **Dextra Group PLC**
Order No. : AMEX L15 OW
Luminaire name : AMENITY EXTERIOR
Equipment : 1 x Dextra 9.5 W / 901 lm
Emergency : 197 lm (21.9 %)

CCL Review Outcome - Status A No Comment

4 Residents Lounge

4.1 Description, Residents Lounge

4.1.1 Floor plan



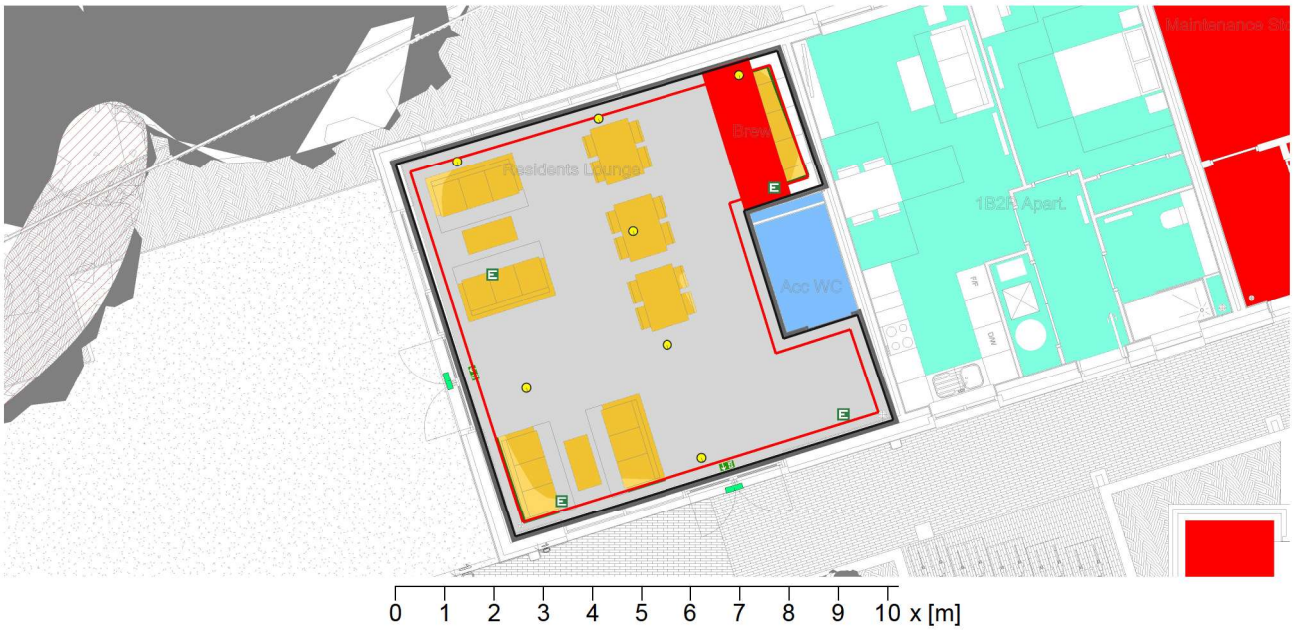
Wall	x	y	Length	Reflectance
1	111.33 m	21.39 m	7.94 m	50.0 %
2	119.02 m	23.76 m	8.05 m	50.0 %
3	118.29 m	25.89 m	2.25 m	50.0 %
4	116.79 m	25.42 m	1.58 m	50.0 %
5	115.99 m	28.00 m	2.70 m	50.0 %
6	117.59 m	28.52 m	1.69 m	50.0 %
7	116.66 m	31.25 m	2.88 m	50.0 %
8	108.90 m	28.95 m	8.10 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

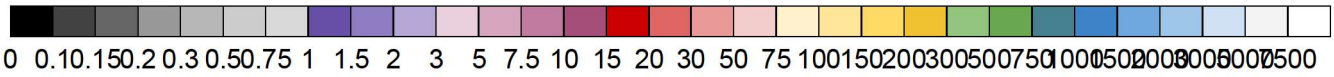
CCL Review Outcome - Status A No Comment

4 Residents Lounge

4.2 Summary, Residents Lounge

4.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	20788.60 lm
Total power	167.8 W
Total power per area (59.38 m²)	2.83 W/m² (1.32 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	214 lx	85 lx
E_{min}	132 lx	55 lx
$E_{min}/\bar{E}_m$ (U_o)	0.62	0.65
E_{min}/E_{max} (U_d)	0.53	
E_z/E_h		0.38
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.9 (Ceiling)	51 lx	0.70
M 1.1 (Wall)	118 lx	0.49
M 1.2 (Wall)	153 lx	0.30
M 1.3 (Wall)	111 lx	0.40
M 1.4 (Wall)	72 lx	0.63
M 1.5 (Wall)	64 lx	0.72
M 1.6 (Wall)	252 lx	0.36
M 1.7 (Wall)	146 lx	0.63
M 1.8 (Wall)	153 lx	0.34

CCL Review Outcome - Status A No Comment

4 Residents Lounge

4.2 Summary, Residents Lounge

4.2.1 Result overview, Evaluation area 1

Type No.\Make

Dextra Group PLC

6 2 x 
Order No. : EXI3 M3 LE3
Luminaire name : EXI3
Equipment : 1 x Dextra 3.6 W / 26.8 lm
Emergency : 17 lm (63.4 %)

11 7 x 
Order No. : BTECM L22
Luminaire name : BTEC
Equipment : 1 x Dextra 14.6 W / 1885 lm
Emergency : 476 lm (25.3 %)

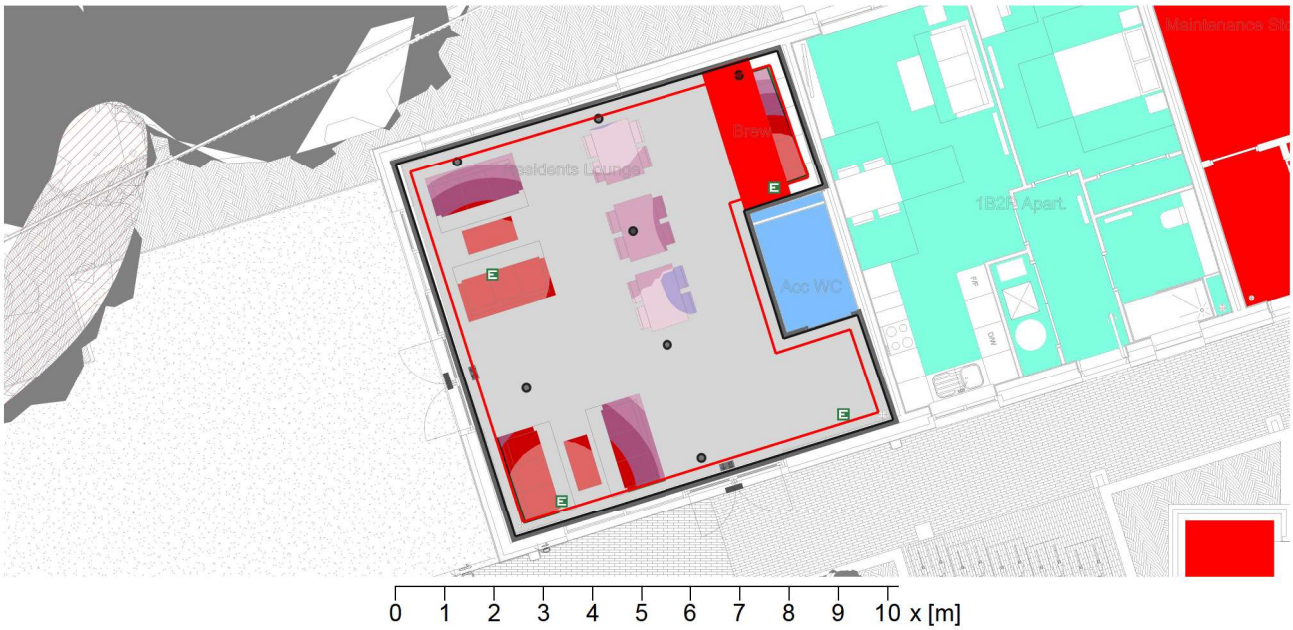
12 4E x 
Order No. : !BTECM L22 LE3 -- Emergency Lighting --
Luminaire name : BTEC
Equipment : 1 x Dextra 14.6 W / 1885 lm
Emergency : 476 lm (25.3 %)

CCL Review Outcome - Status A No Comment

4 Residents Lounge

4.3 Summary, Residents Lounge

4.3.1.1 Result overview (emergency lighting)



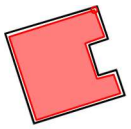


General

Calculation algorithm used	: Direct component	
Maintenance factor	: 0.8	
Height (phot.centre)	: 2.50 m	
Maximum I	: 230 cd	<= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1			
Calculation field: 7.72m x 7.4m (9 x 9 pts), Height = 0.00m			
1	0.41 lx	29.76 lx	1: 72.44
	>= 1 lx		>= 1 : 40



Type No.\Make

12 4E x **Dextra Group PLC**

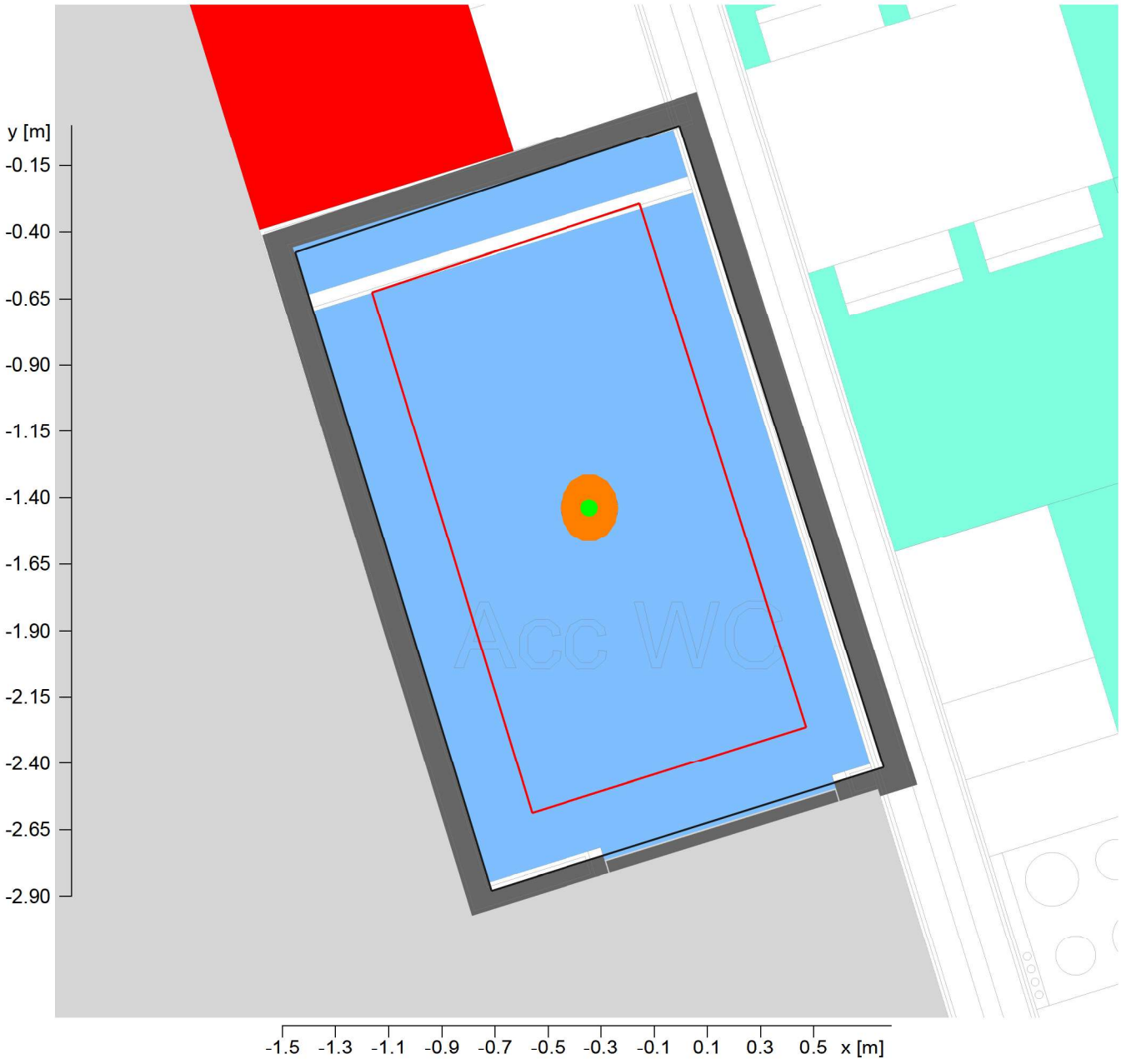
Order No.	: !BTECM L22 LE3 -- Emergency Lighting --
Luminaire name	: BTEC
Equipment	: 1 x Dextra 14.6 W / 1885 lm
Emergency	: 476 lm (25.3 %)

CCL Review Outcome - Status A No Comment

5 Acc WC

5.1 Description, Acc WC

5.1.1 Floor plan



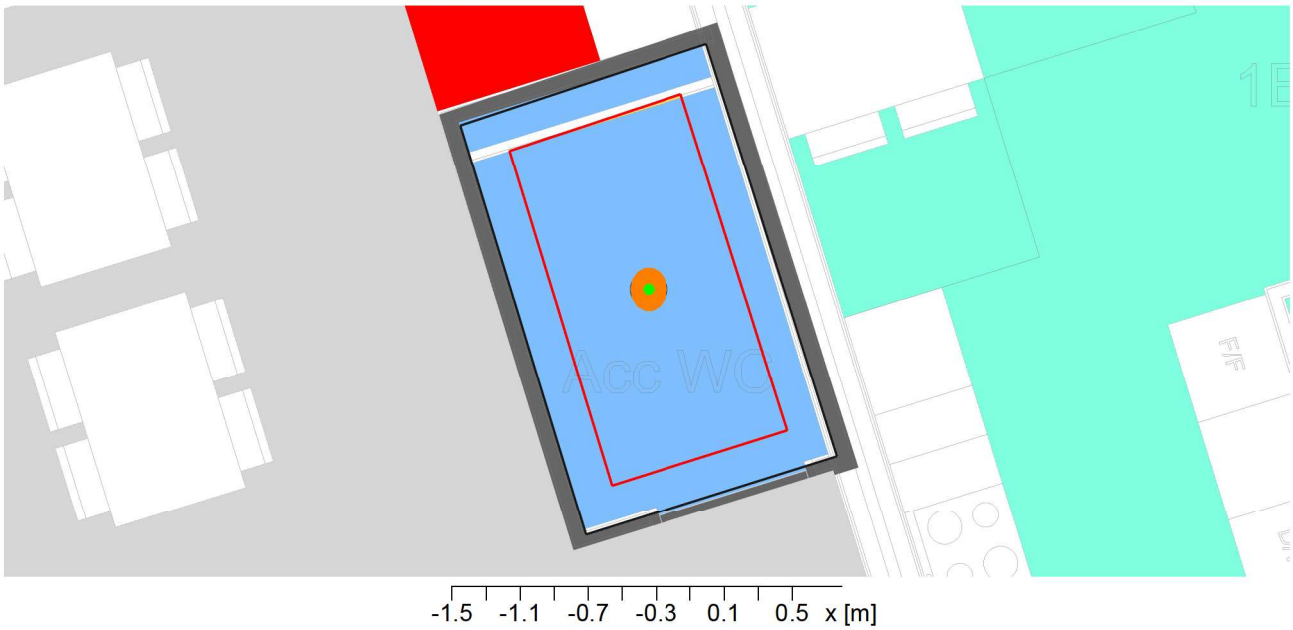
Wall	x	y	Length	Reflectance
1	116.13 m	27.91 m	1.52 m	50.0 %
2	116.87 m	25.51 m	2.51 m	50.0 %
3	118.35 m	25.97 m	1.55 m	50.0 %
4	117.58 m	28.39 m	2.54 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

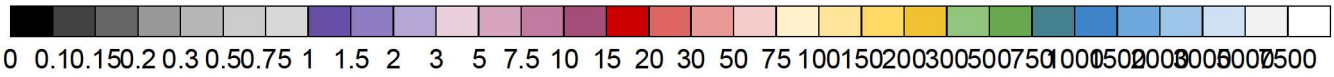
CCL Review Outcome - Status A No Comment

5 Acc WC

5.2 Summary, Acc WC

5.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	2.50 m
Maintenance factor	0.80
Total luminous flux	2571.00 lm
Total power	20.7 W
Total power per area (3.88 m²)	5.34 W/m² (2.73 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	196 lx	73 lx
E_{min}	181 lx	62 lx
$E_{min}/\bar{E}_m$ (U_o)	0.92	0.86
E_{min}/E_{max} (U_d)	0.84	
E_z/E_h		0.28
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.5 (Ceiling)	60 lx	0.83
M 1.1 (Wall)	134 lx	0.47
M 1.2 (Wall)	196 lx	0.45
M 1.3 (Wall)	134 lx	0.47
M 1.4 (Wall)	197 lx	0.45

CCL Review Outcome - Status A No Comment

5 Acc WC

5.2 Summary, Acc WC

5.2.1 Result overview, Evaluation area 1

Type No.\Make

16 1 x 

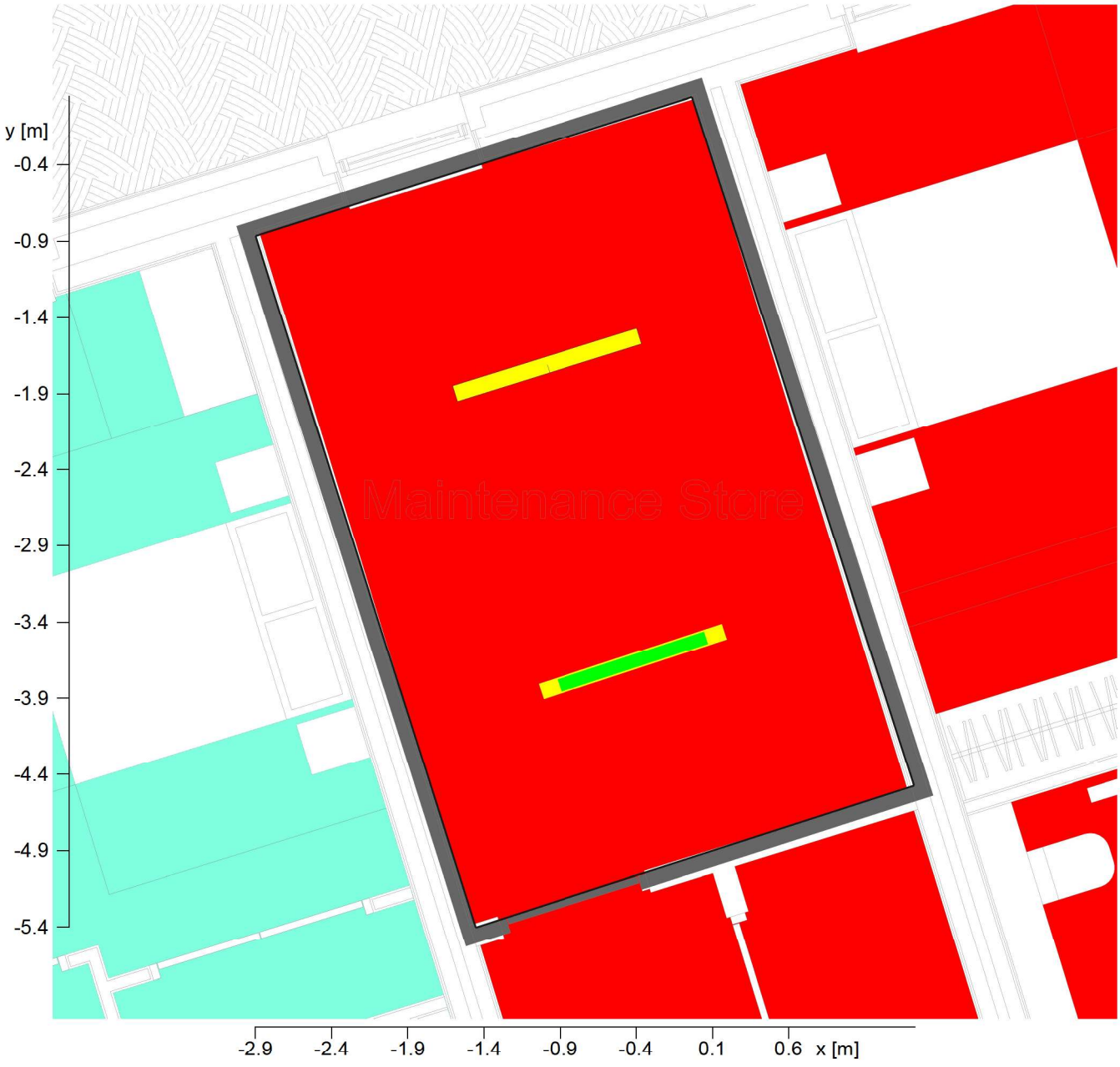
Dextra Group PLC
Order No. : !BTECL L30 LE3
Luminaire name : BTEC
Equipment : 1 x Dextra 20.7 W / 2571 lm
Emergency : 493 lm (19.2 %)

CCL Review Outcome - Status A No Comment

6 Maintenance Store

6.1 Description, Maintenance Store

6.1.1 Floor plan



Wall	x	y	Length	Reflectance
1	123.84 m	33.52 m	3.01 m	50.0 %
2	125.29 m	28.98 m	4.76 m	50.0 %
3	128.16 m	29.91 m	3.02 m	50.0 %
4	126.71 m	34.43 m	4.75 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

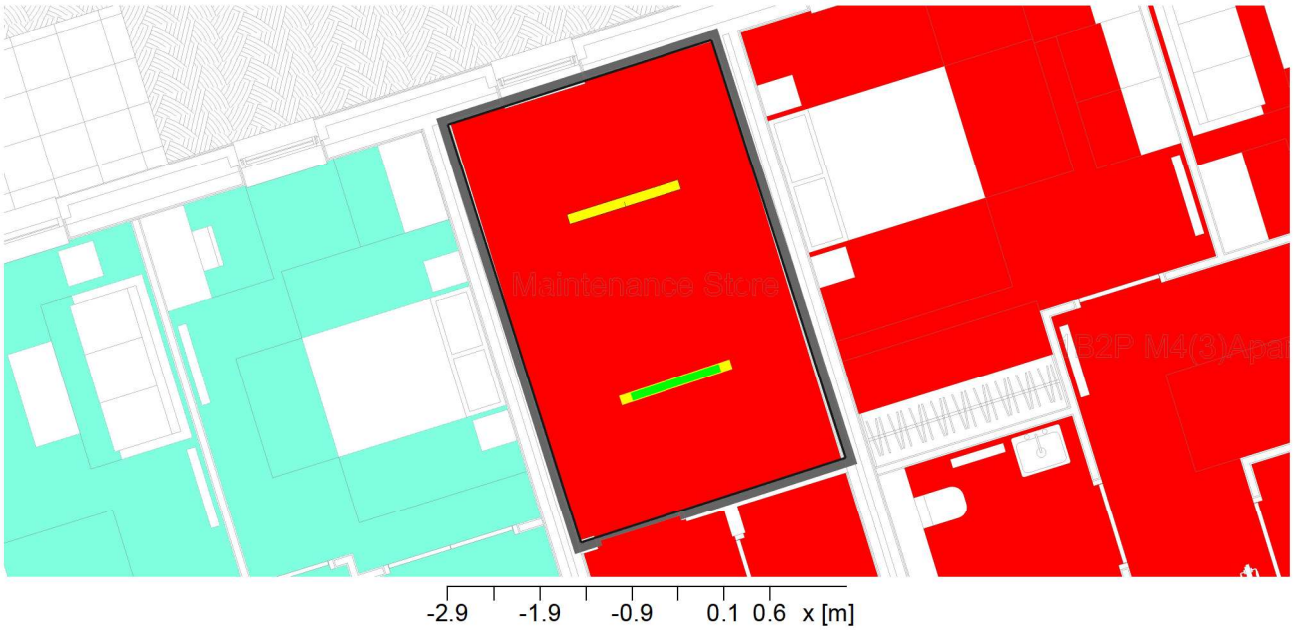
Chris Jones 07584 528120
Cjones@dextragroup.co.uk

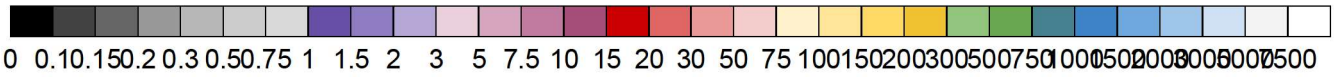
CCL Review Outcome - Status A No Comment

6 Maintenance Store

6.2 Summary, Maintenance Store

6.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	2.50 m
Maintenance factor	0.80
Total luminous flux	6536.00 lm
Total power	46.8 W
Total power per area (14.33 m²)	3.27 W/m² (1.65 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	198 lx	81 lx
E_{min}	160 lx	76 lx
$E_{min}/\bar{E}_m$ (U_o)	0.81	0.93
E_{min}/E_{max} (U_d)	0.71	
E_z/E_h		0.34
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.5 (Ceiling)	115 lx	0.55
M 1.1 (Wall)	159 lx	0.72
M 1.2 (Wall)	147 lx	0.70
M 1.3 (Wall)	163 lx	0.72
M 1.4 (Wall)	152 lx	0.69

CCL Review Outcome - Status A No Comment

6 Maintenance Store

6.2 Summary, Maintenance Store

6.2.1 Result overview, Evaluation area 1

Type No.\Make

Dextra Group PLC

19 1 x
Order No. : TYP L38 PC 4S
Luminaire name : TYPHON
Equipment : 1 x Dextra 23.4 W / 3268 lm
Emergency : 423 lm (12.9 %)

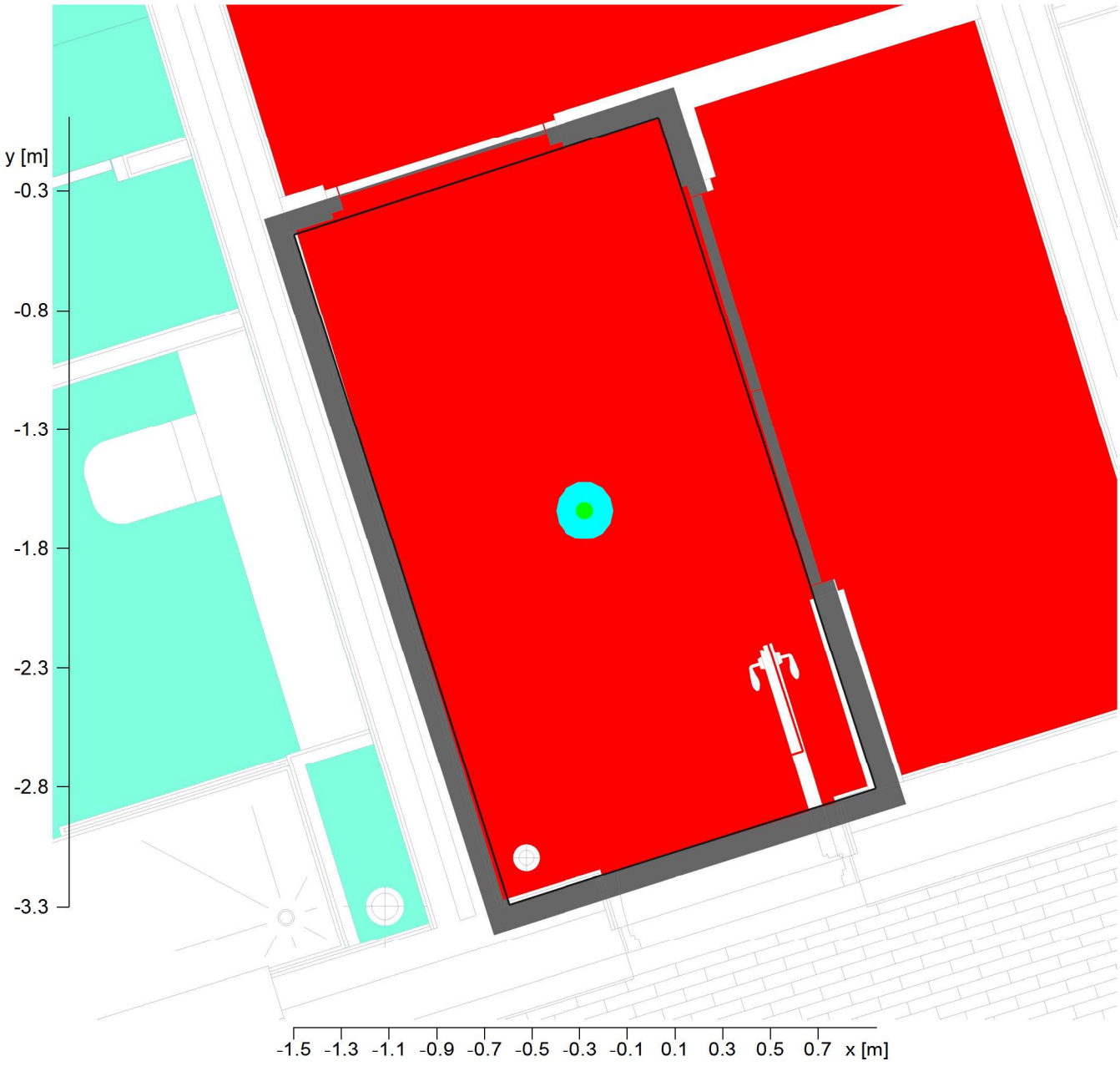
20 1 x
Order No. : !TYP L38 PC 4S LE3
Luminaire name : TYPHON
Equipment : 1 x Dextra 23.4 W / 3268 lm
Emergency : 423 lm (12.9 %)

CCL Review Outcome - Status A No Comment

7 ?

7.1 Description, ?

7.1.1 Floor plan



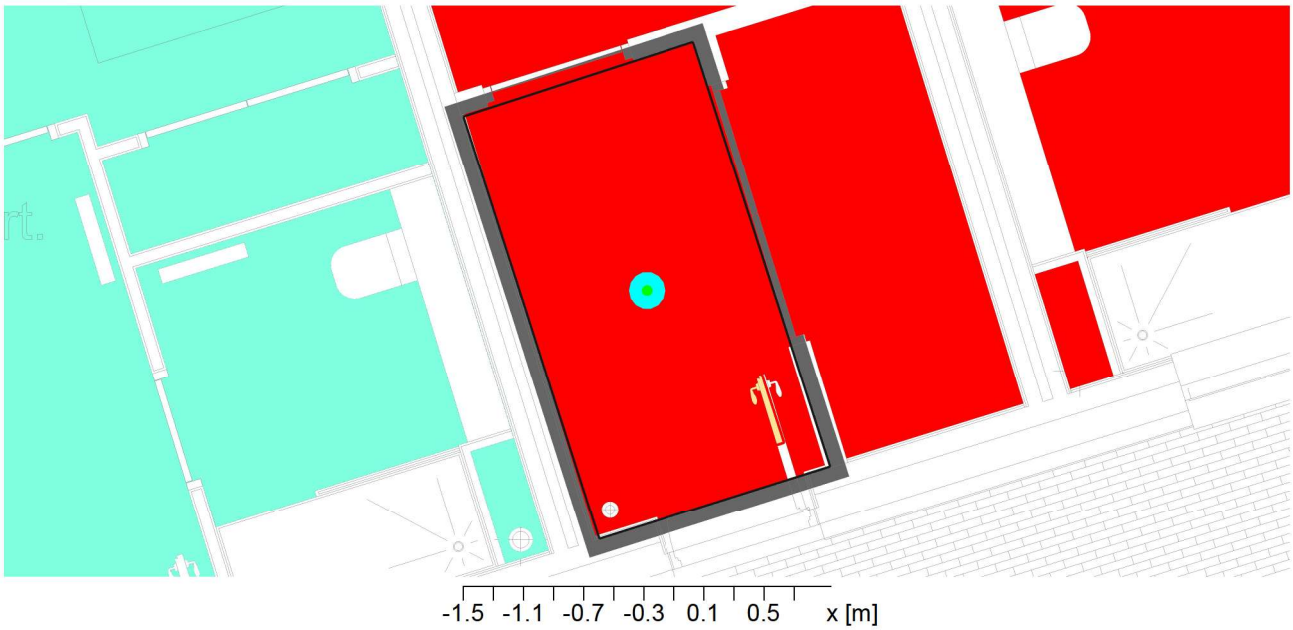
Wall	x	y	Length	Reflectance
1	125.31 m	28.85 m	1.61 m	50.0 %
2	126.21 m	26.04 m	2.95 m	50.0 %
3	127.75 m	26.52 m	1.61 m	50.0 %
4	126.84 m	29.34 m	2.96 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

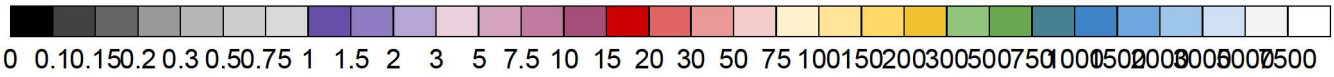
CCL Review Outcome - Status A No Comment

7 ?

7.2 Summary, ?

7.2.1 Result overview, Evaluation area 1





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	2.50 m
Maintenance factor	0.80
Total luminous flux	2487.00 lm
Total power	20.0 W
Total power per area (4.76 m²)	4.21 W/m² (2.88 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	146 lx	55 lx
E_{min}	114 lx	44 lx
$E_{min}/\bar{E}_m$ (U_o)	0.78	0.79
E_{min}/E_{max} (U_d)	0.65	
E_z/E_h		0.29
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.5 (Ceiling)	84.7 lx	0.54
M 1.1 (Wall)	110 lx	0.78
M 1.2 (Wall)	157 lx	0.52
M 1.3 (Wall)	110 lx	0.78
M 1.4 (Wall)	157 lx	0.52

CCL Review Outcome - Status A No Comment

7 ?

7.2 Summary, ?

7.2.1 Result overview, Evaluation area 1

Type No.\Make

18 1 x



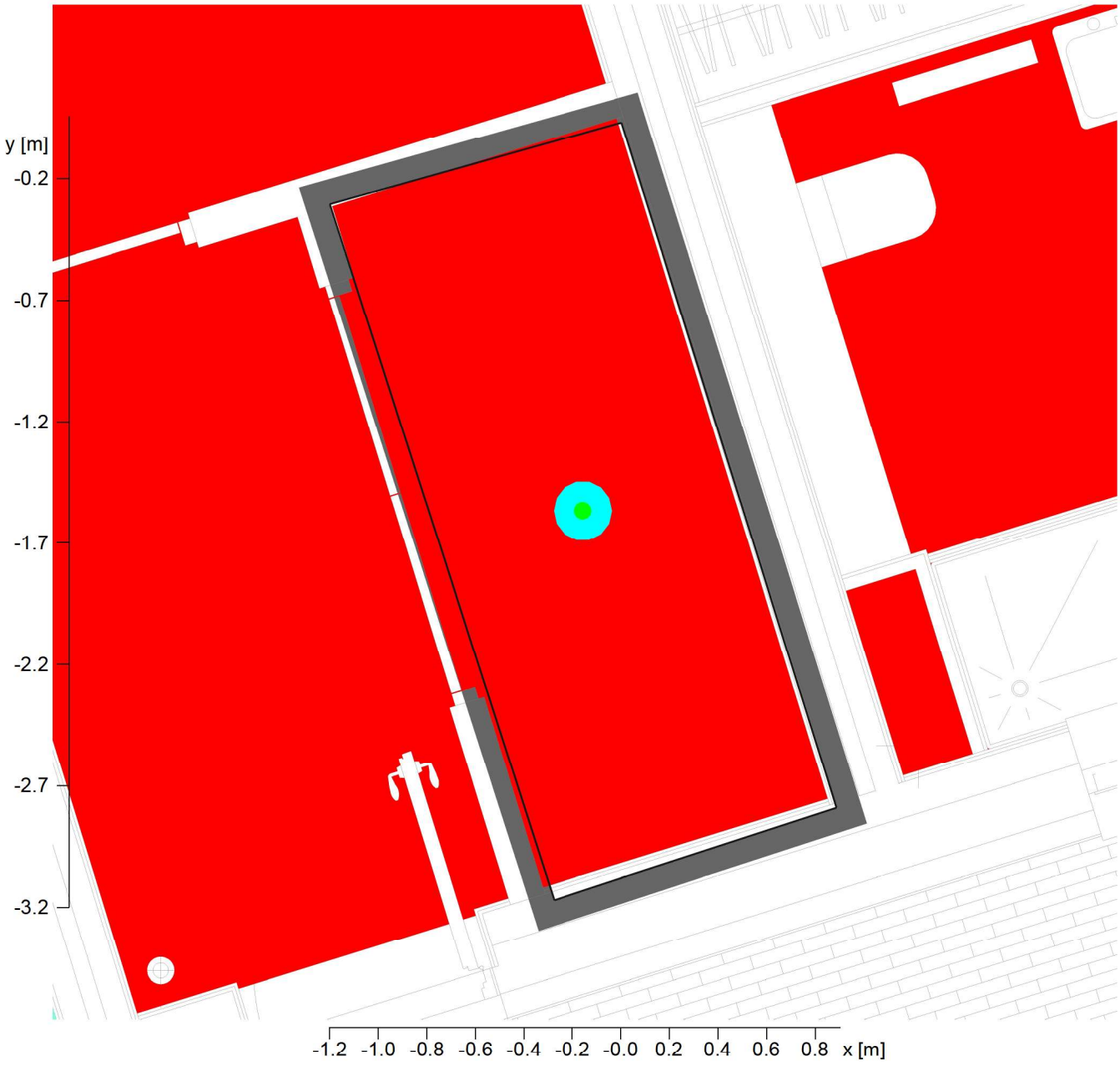
Dextra Group PLC
Order No. : !AMC L30 WO LE3
Luminaire name : AMENITY PLUS - CIRCULAR
Equipment : 1 x Dextra 20 W / 2487 lm
Emergency : 264 lm (10.6 %)

CCL Review Outcome - Status A No Comment

8 ? Store

8.1 Description, ? Store

8.1.1 Floor plan



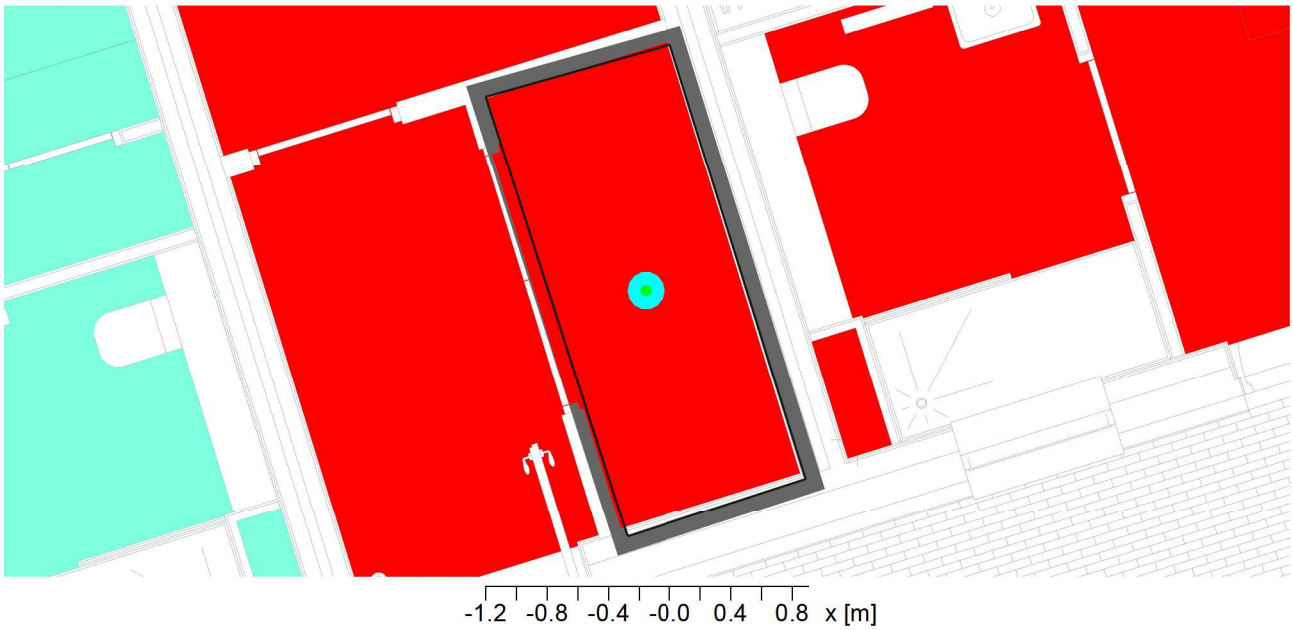
Wall	x	y	Length	Reflectance
1	126.98 m	29.39 m	1.25 m	50.0 %
2	127.90 m	26.52 m	3.01 m	50.0 %
3	129.07 m	26.90 m	1.22 m	50.0 %
4	128.18 m	29.73 m	2.96 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

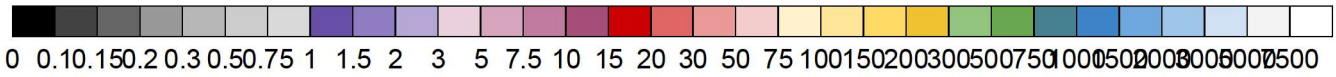
CCL Review Outcome - Status A No Comment

8 ? Store

8.2 Summary, ? Store

8.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	2.50 m
Maintenance factor	0.80
Total luminous flux	2487.00 lm
Total power	20.0 W
Total power per area (3.69 m²)	5.42 W/m² (3.65 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	148 lx	56 lx
E_{min}	111 lx	48 lx
$E_{min}/\bar{E}_m$ (U_o)	0.75	0.86
E_{min}/E_{max} (U_d)	0.61	
E_z/E_h		0.28
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.6 (Ceiling)	105 lx	0.45
M 1.4 (Wall)	184 lx	0.43
M 1.5 (Wall)	184 lx	0.44

Type No.\Make

CCL Review Outcome - Status A No Comment

8 ? Store

8.2 Summary, ? Store

8.2.1 Result overview, Evaluation area 1

18 1 x 

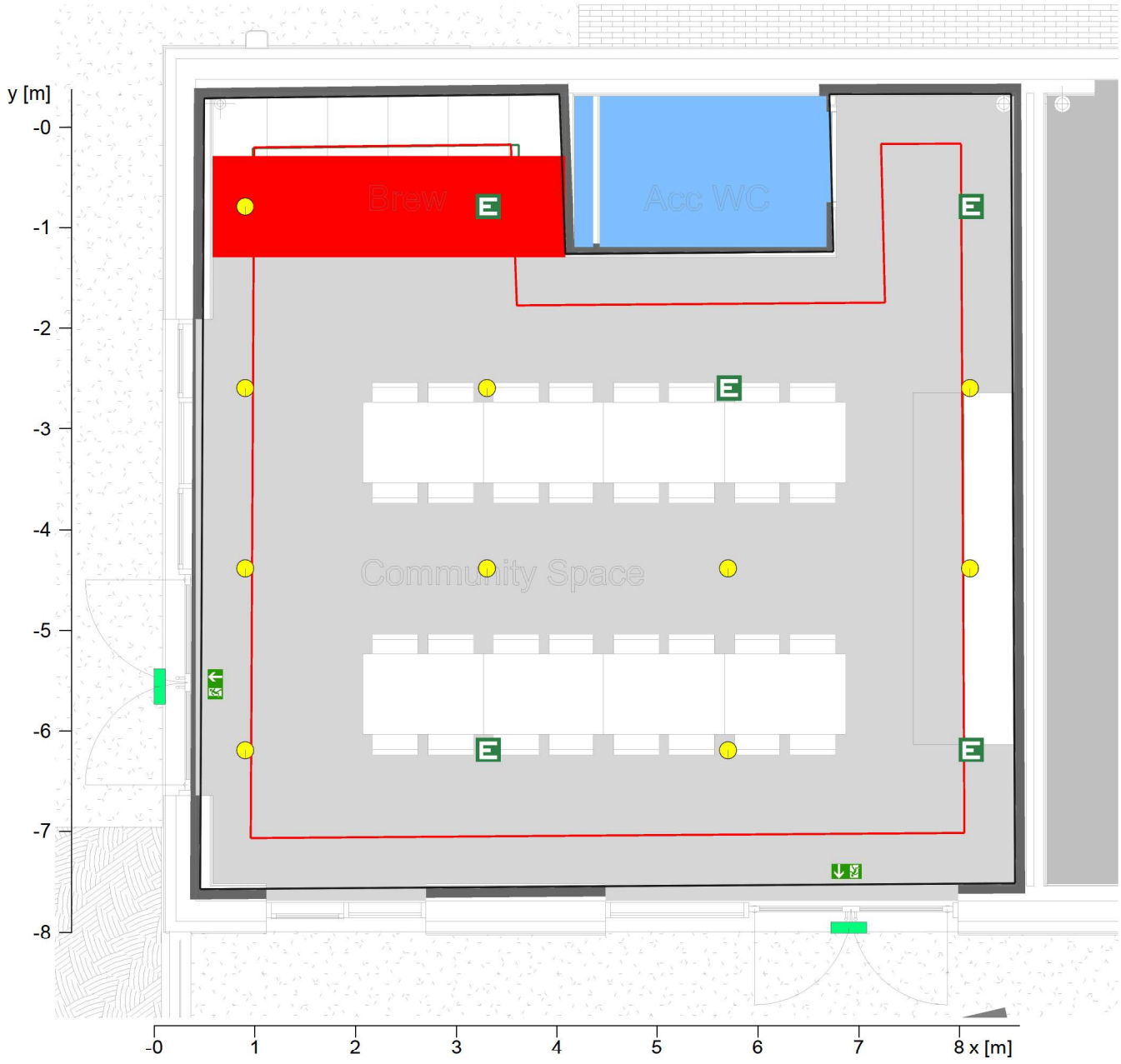
Dextra Group PLC
Order No. : !AMC L30 WO LE3
Luminaire name : AMENITY PLUS - CIRCULAR
Equipment : 1 x Dextra 20 W / 2487 lm
Emergency : 264 lm (10.6 %)

CCL Review Outcome - Status A No Comment

9 Community Space

9.1 Description, Community Space

9.1.1 Floor plan



Wall	x	y	Length	Reflectance
1	104.18 m	8.59 m	7.86 m	50.0 %
2	112.28 m	8.64 m	8.10 m	50.0 %
3	112.24 m	16.49 m	7.85 m	50.0 %
4	110.44 m	16.48 m	1.80 m	50.0 %
5	110.48 m	14.92 m	1.57 m	50.0 %
6	107.81 m	14.90 m	2.67 m	50.0 %
7	107.75 m	16.48 m	1.59 m	50.0 %
8	104.22 m	16.45 m	3.53 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.75 m		

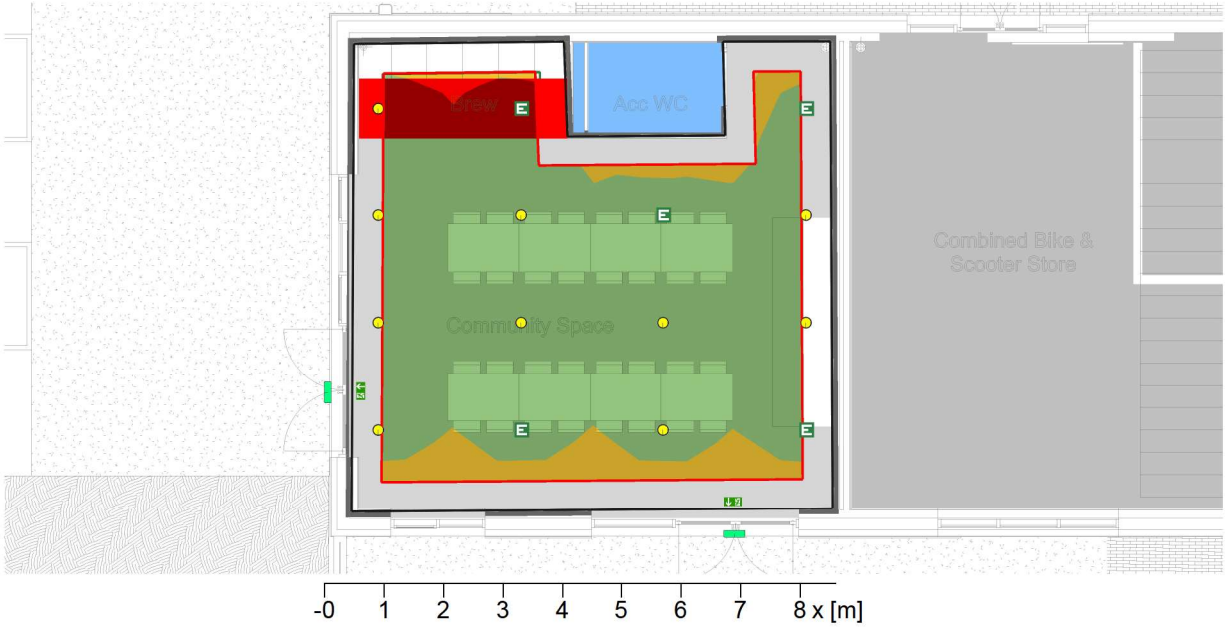
Chris Jones 07584 528120
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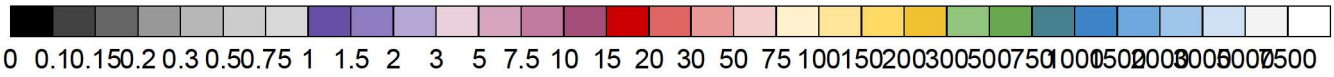
CCL Review Outcome - Status A No Comment

9 Community Space

9.2 Summary, Community Space

9.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	28328.60 lm
Total power	226.2 W
Total power per area (59.11 m²)	3.83 W/m² (1.07 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	358 lx	146 lx
E_{min}	253 lx	114 lx
$E_{min}/\bar{E}_m$ (U_o)	0.70	0.78
E_{min}/E_{max} (U_d)	0.61	
E_z/E_h		0.39
Position	0.75 m	1.20 m

Major surfaces	$\bar{E}_m$	U_o
M 1.9 (Ceiling)	68 lx	0.83
M 1.1 (Wall)	224 lx	0.43
M 1.2 (Wall)	128 lx	0.57
M 1.3 (Wall)	218 lx	0.42
M 1.4 (Wall)	125 lx	0.52
M 1.5 (Wall)	114 lx	0.56
M 1.6 (Wall)	131 lx	0.58
M 1.7 (Wall)	181 lx	0.51
M 1.8 (Wall)	150 lx	0.60

CCL Review Outcome - Status A No Comment

9 Community Space

9.2 Summary, Community Space

9.2.1 Result overview, Evaluation area 1

Type No.\Make

Dextra Group PLC

6 2 x 
Order No. : EXI3 M3 LE3
Luminaire name : EXI3
Equipment : 1 x Dextra 3.6 W / 26.8 lm
Emergency : 17 lm (63.4 %)

11 10 x 
Order No. : BTECM L22
Luminaire name : BTEC
Equipment : 1 x Dextra 14.6 W / 1885 lm
Emergency : 476 lm (25.3 %)

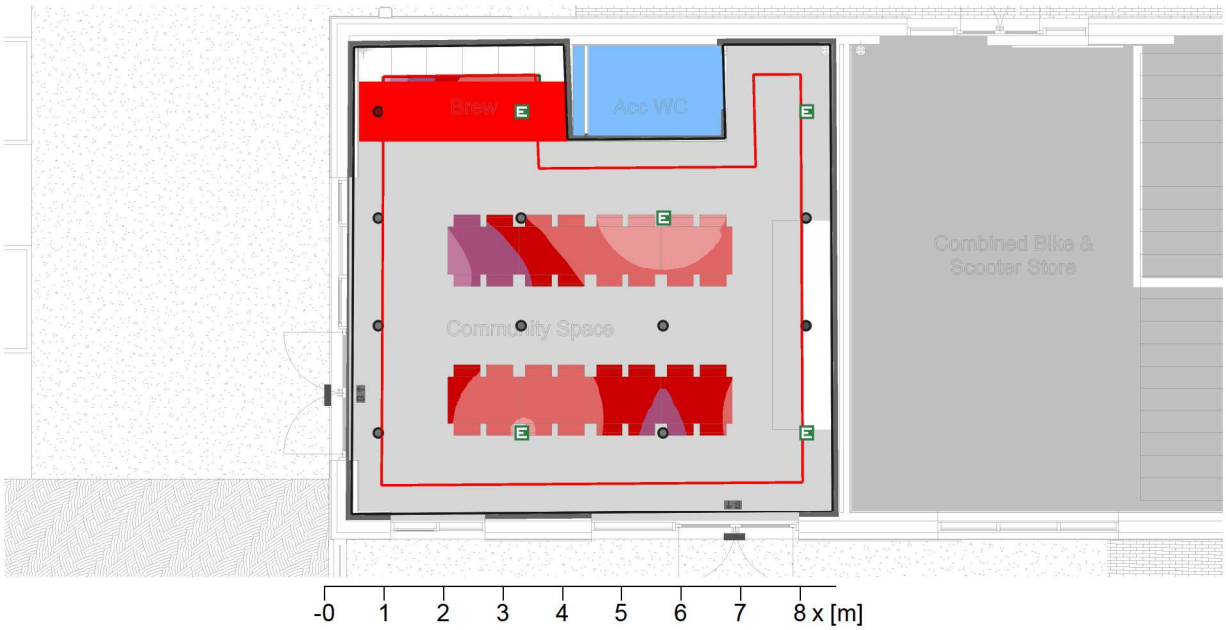
12 5E x 
Order No. : !BTECM L22 LE3 -- Emergency Lighting --
Luminaire name : BTEC
Equipment : 1 x Dextra 14.6 W / 1885 lm
Emergency : 476 lm (25.3 %)

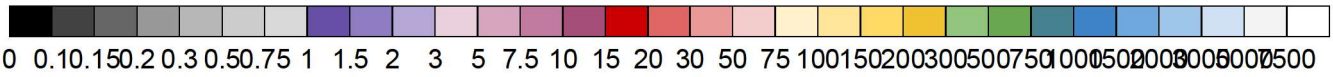
CCL Review Outcome - Status A No Comment

9 Community Space

9.3 Summary, Community Space

9.3.1.1 Result overview (emergency lighting)



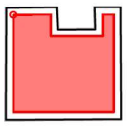


General

Calculation algorithm used	: Direct component	
Maintenance factor	: 0.8	
Height (phot.centre)	: 2.50 m	
Maximum I	: 230 cd	<= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1			
Calculation field: 6.84m x 7.05m (9 x 9 pts), Height = 0.00m			
1	3.99 lx	37.18 lx	1: 9.32
	>= 1 lx		>= 1 : 40



Type No.\Make

12 5E x — **Dextra Group PLC**

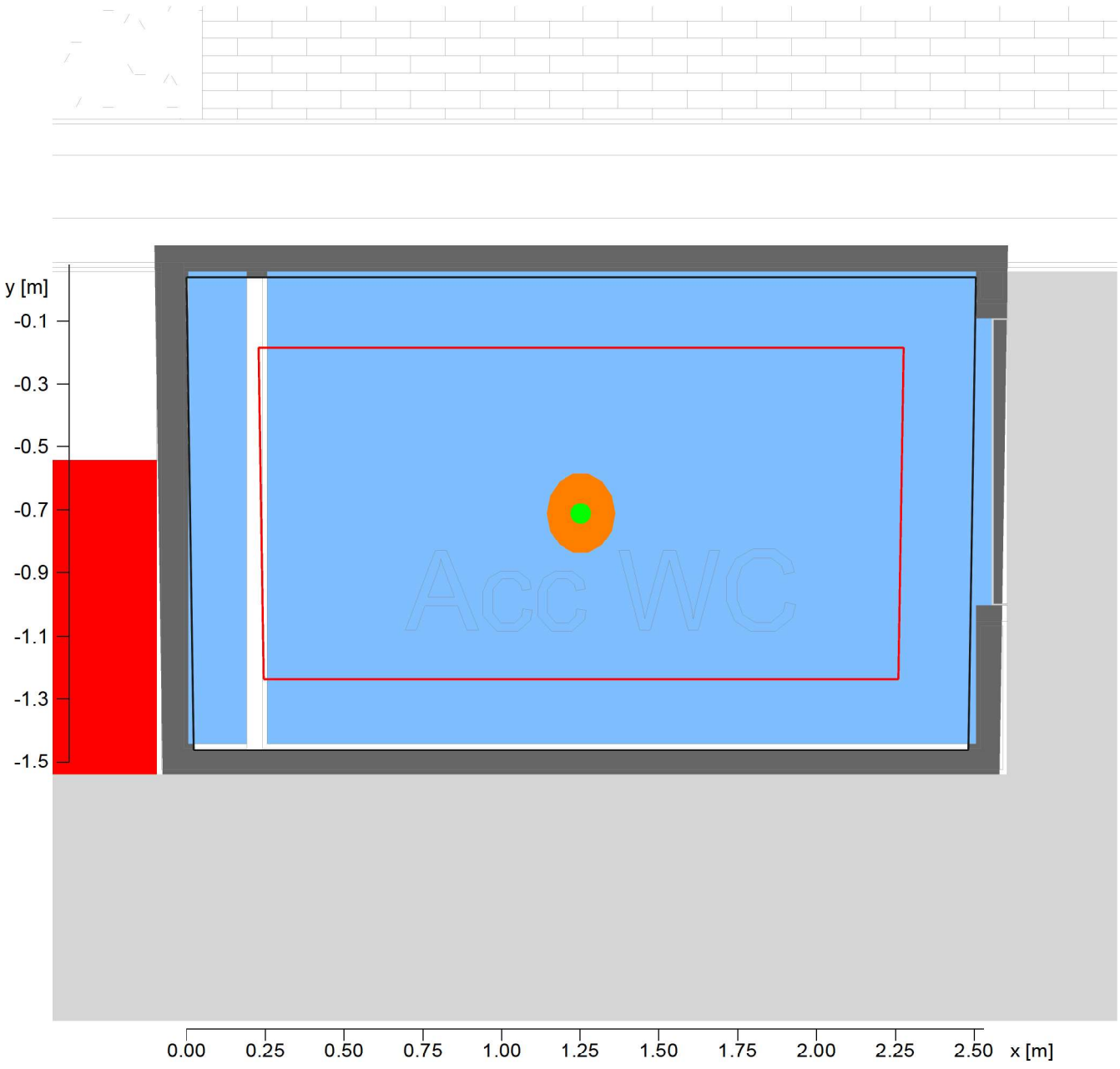
Order No.	: !BTECM L22 LE3 -- Emergency Lighting --
Luminaire name	: BTEC
Equipment	: 1 x Dextra 14.6 W / 1885 lm
Emergency	: 476 lm (25.3 %)

CCL Review Outcome - Status A No Comment

10 Acc Wc

10.1 Description, Acc Wc

10.1.1 Floor plan



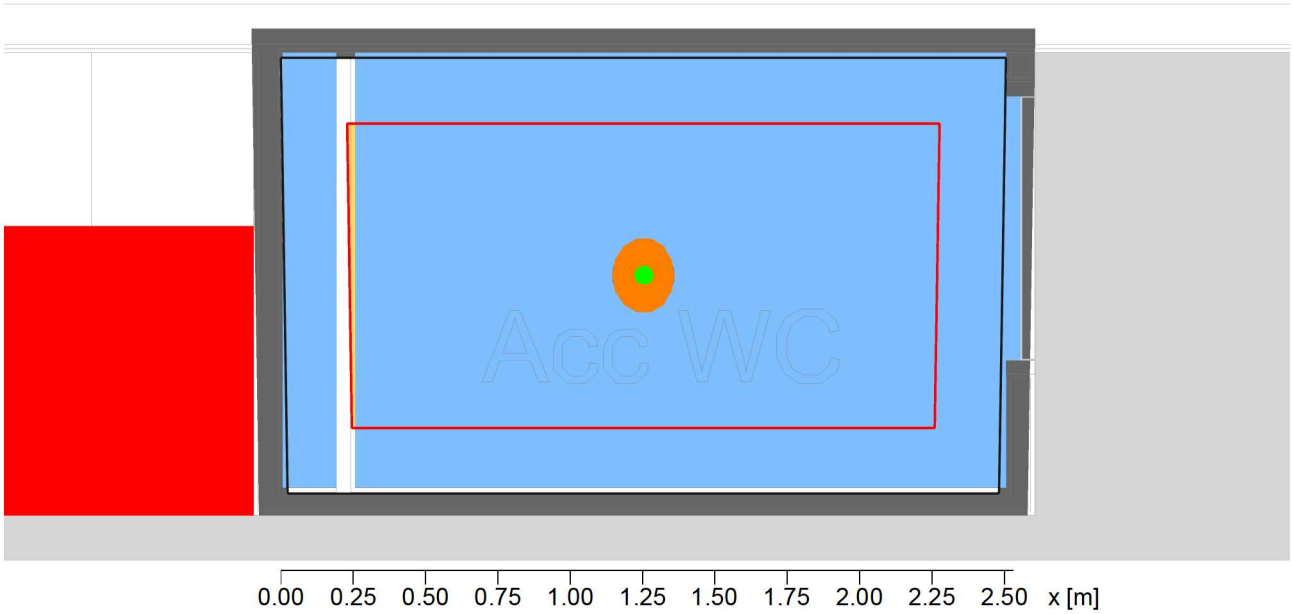
Wall	x	y	Length	Reflectance
1	107.93 m	14.94 m	1.50 m	50.0 %
2	110.38 m	14.94 m	2.46 m	50.0 %
3	110.41 m	16.45 m	1.50 m	50.0 %
4	107.90 m	16.45 m	2.51 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

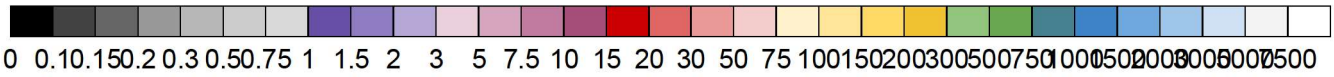
CCL Review Outcome - Status A No Comment

10 Acc Wc

10.2 Summary, Acc Wc

10.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	2.50 m
Maintenance factor	0.80
Total luminous flux	2571.00 lm
Total power	20.7 W
Total power per area (3.73 m²)	5.55 W/m² (2.81 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	198 lx	73 lx
E_{min}	183 lx	63 lx
$E_{min}/\bar{E}_m$ (U_o)	0.92	0.86
E_{min}/E_{max} (U_d)	0.84	
E_z/E_h		0.28
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.5 (Ceiling)	63 lx	0.83
M 1.1 (Wall)	138 lx	0.48
M 1.2 (Wall)	204 lx	0.47
M 1.3 (Wall)	138 lx	0.48
M 1.4 (Wall)	203 lx	0.47

CCL Review Outcome - Status A No Comment

10 Acc Wc

10.2 Summary, Acc Wc

10.2.1 Result overview, Evaluation area 1

Type No.\Make

16 1 x 

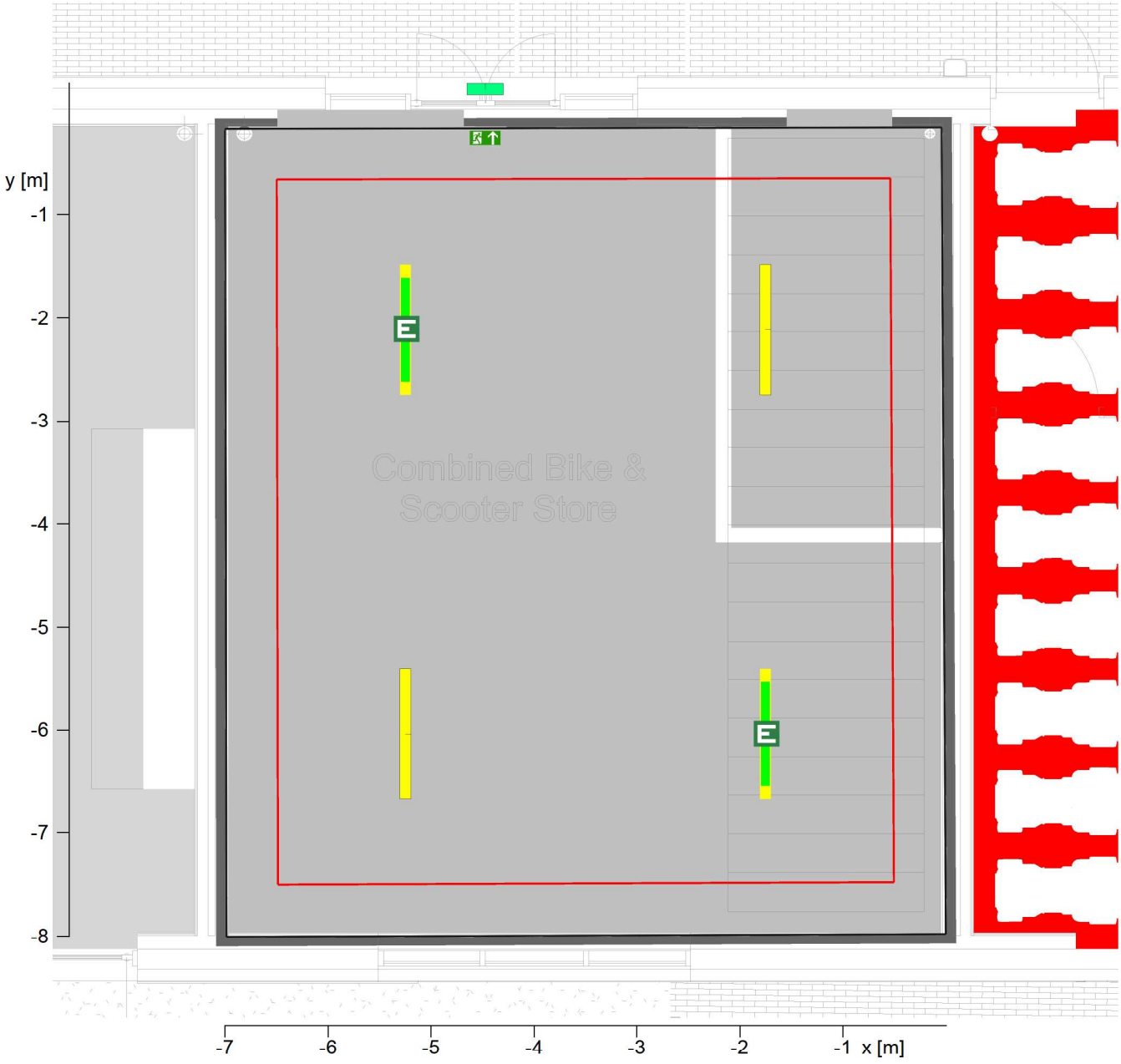
Dextra Group PLC
Order No. : !BTECL L30 LE3
Luminaire name : BTEC
Equipment : 1 x Dextra 20.7 W / 2571 lm
Emergency : 493 lm (19.2 %)

CCL Review Outcome - Status A No Comment

11 Combined Bike & Scooter Store

11.1 Description, Combined Bike & Scooter Store

11.1.1 Floor plan



Wall	x	y	Length	Reflectance
1	112.56 m	16.44 m	6.96 m	50.0 %
2	112.58 m	8.60 m	7.84 m	50.0 %
3	119.56 m	8.63 m	6.98 m	50.0 %
4	119.52 m	16.46 m	7.83 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

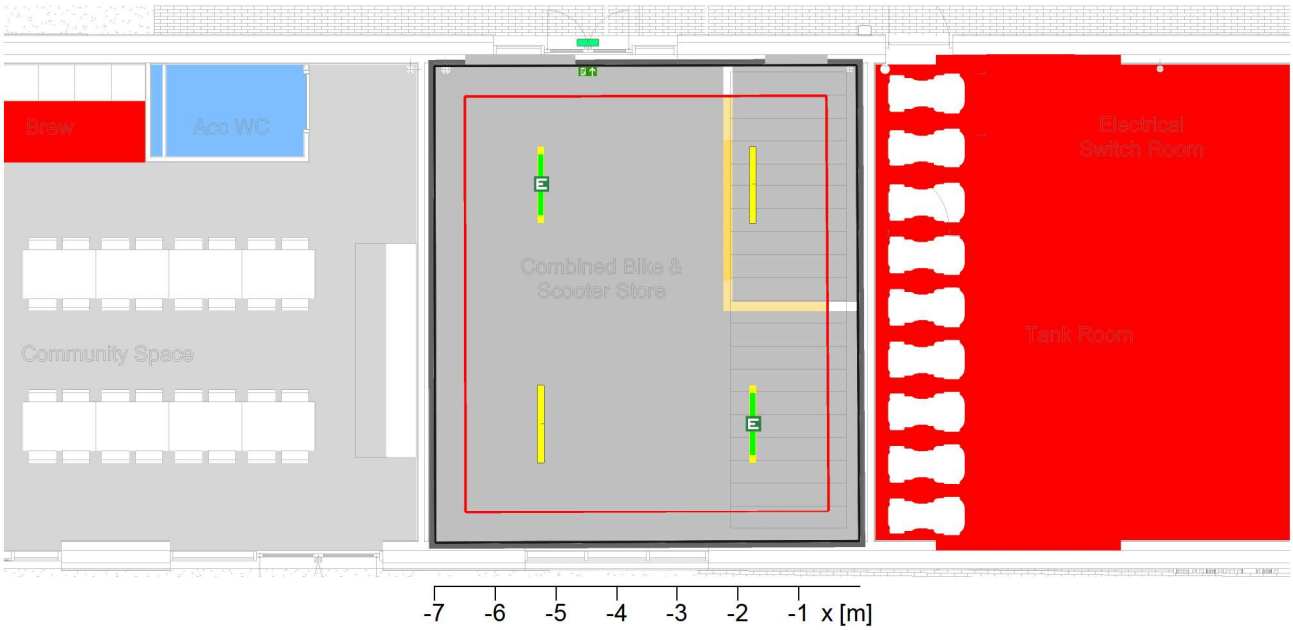
Chris Jones 07584 528120
Cjones@dextragroup.co.uk

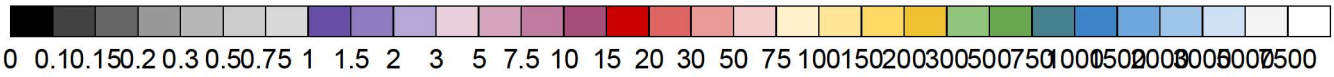
CCL Review Outcome - Status A No Comment

11 Combined Bike & Scooter Store

11.2 Summary, Combined Bike & Scooter Store

11.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	13098.80 lm
Total power	97.2 W
Total power per area (54.61 m²)	1.78 W/m² (1.19 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	149 lx	68 lx
E_{min}	118 lx	57 lx
$E_{min}/\bar{E}_m$ (U_o)	0.79	0.85
E_{min}/E_{max} (U_d)	0.68	
E_z/E_h		0.41
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.5 (Ceiling)	76.9 lx	0.45
M 1.1 (Wall)	89.7 lx	0.72
M 1.2 (Wall)	107 lx	0.68
M 1.3 (Wall)	90 lx	0.72
M 1.4 (Wall)	108 lx	0.68

Type No.\Make

CCL Review Outcome - Status A No Comment

11 Combined Bike & Scooter Store

11.2 Summary, Combined Bike & Scooter Store

11.2.1 Result overview, Evaluation area 1

Dextra Group PLC

6 1 x



Order No. : EXI3 M3 LE3
Luminaire name : EXI3
Equipment : 1 x Dextra 3.6 W / 26.8 lm
Emergency : 17 lm (63.4 %)

19 2 x



Order No. : TYP L38 PC 4S
Luminaire name : TYPHON
Equipment : 1 x Dextra 23.4 W / 3268 lm
Emergency : 423 lm (12.9 %)

20 2E x

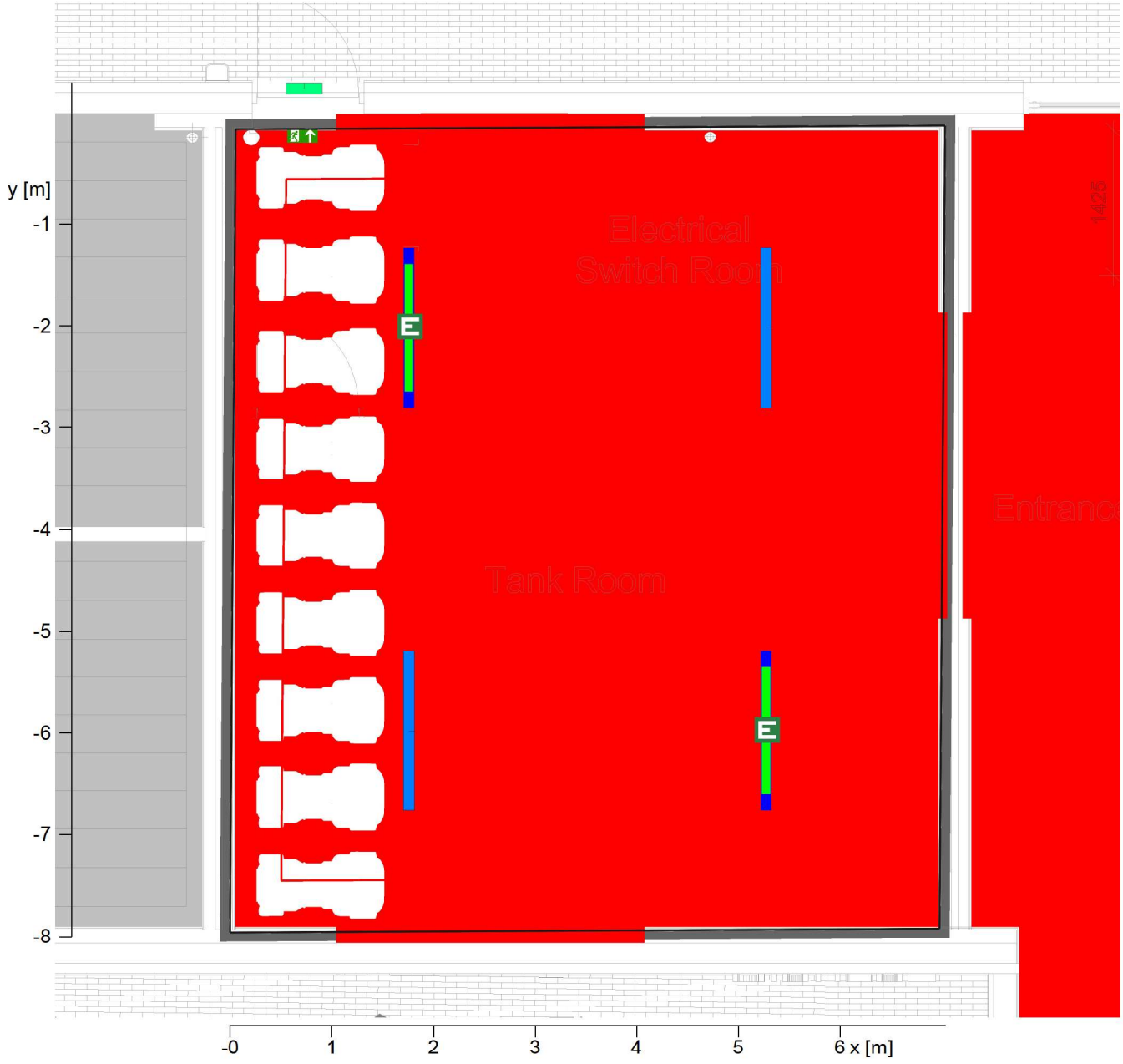
Order No. : !TYP L38 PC 4S LE3 -- Emergency Lighting --
Luminaire name : TYPHON
Equipment : 1 x Dextra 23.4 W / 3268 lm
Emergency : 423 lm (12.9 %)

CCL Review Outcome - Status A No Comment

12 Electrical Switch Room

12.1 Description, Electrical Switch Room

12.1.1 Floor plan



Wall	x	y	Length	Reflectance
1	119.77 m	8.59 m	7.89 m	50.0 %
2	126.75 m	8.62 m	6.98 m	50.0 %
3	126.80 m	16.51 m	7.89 m	50.0 %
4	119.83 m	16.48 m	6.98 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

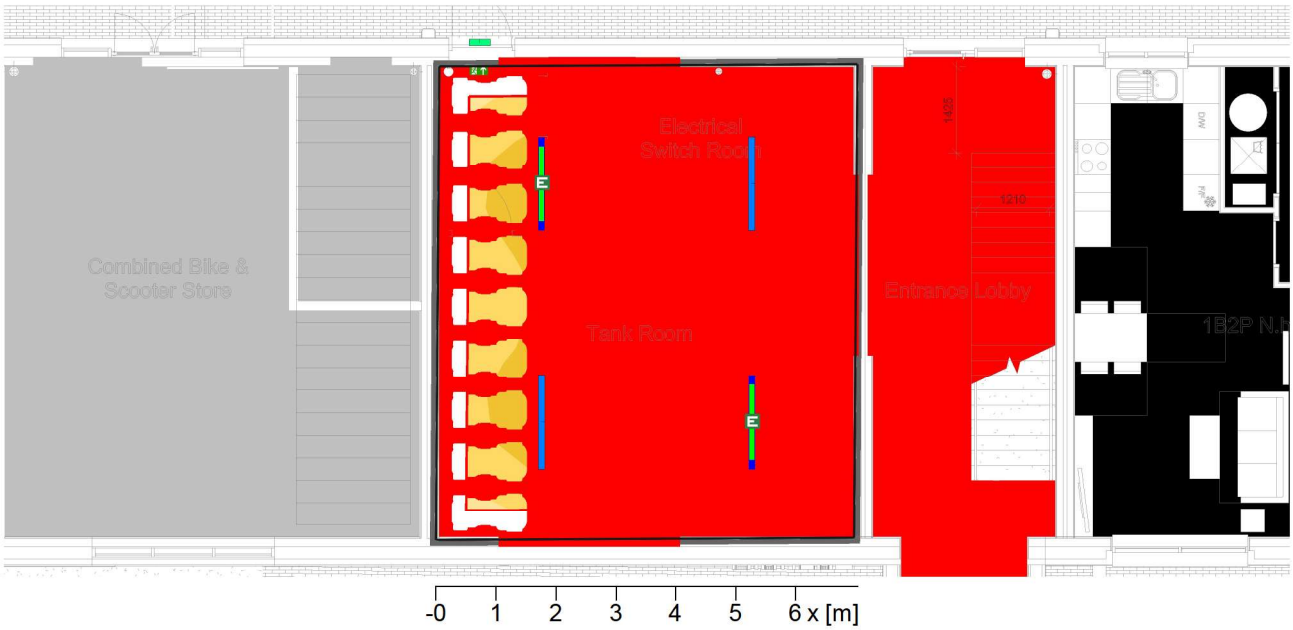
Chris Jones 07584 528120
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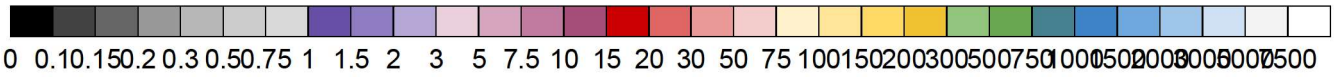
CCL Review Outcome - Status A No Comment

12 Electrical Switch Room

12.2 Summary, Electrical Switch Room

12.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	18602.80 lm
Total power	130.4 W
Total power per area (55.04 m²)	2.37 W/m² (1.17 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	203 lx	92 lx
E_{min}	161 lx	80 lx
$E_{min}/\bar{E}_m$ (U_o)	0.80	0.87
E_{min}/E_{max} (U_d)	0.68	
E_z/E_h		0.41
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.5 (Ceiling)	102 lx	0.47
M 1.1 (Wall)	148 lx	0.68
M 1.2 (Wall)	125 lx	0.71
M 1.3 (Wall)	148 lx	0.68
M 1.4 (Wall)	126 lx	0.71

Type No.\Make

CCL Review Outcome - Status A No Comment

12 Electrical Switch Room

12.2 Summary, Electrical Switch Room

12.2.1 Result overview, Evaluation area 1

Dextra Group PLC

6 1 x



Order No. : EXI3 M3 LE3
Luminaire name : EXI3
Equipment : 1 x Dextra 3.6 W / 26.8 lm
Emergency : 17 lm (63.4 %)

21 2 x

Order No. : TYP L54 PC 5S
Luminaire name : TYPHON
Equipment : 1 x Dextra 31.7 W / 4644 lm
Emergency : 421 lm (9.1 %)

22 2E x

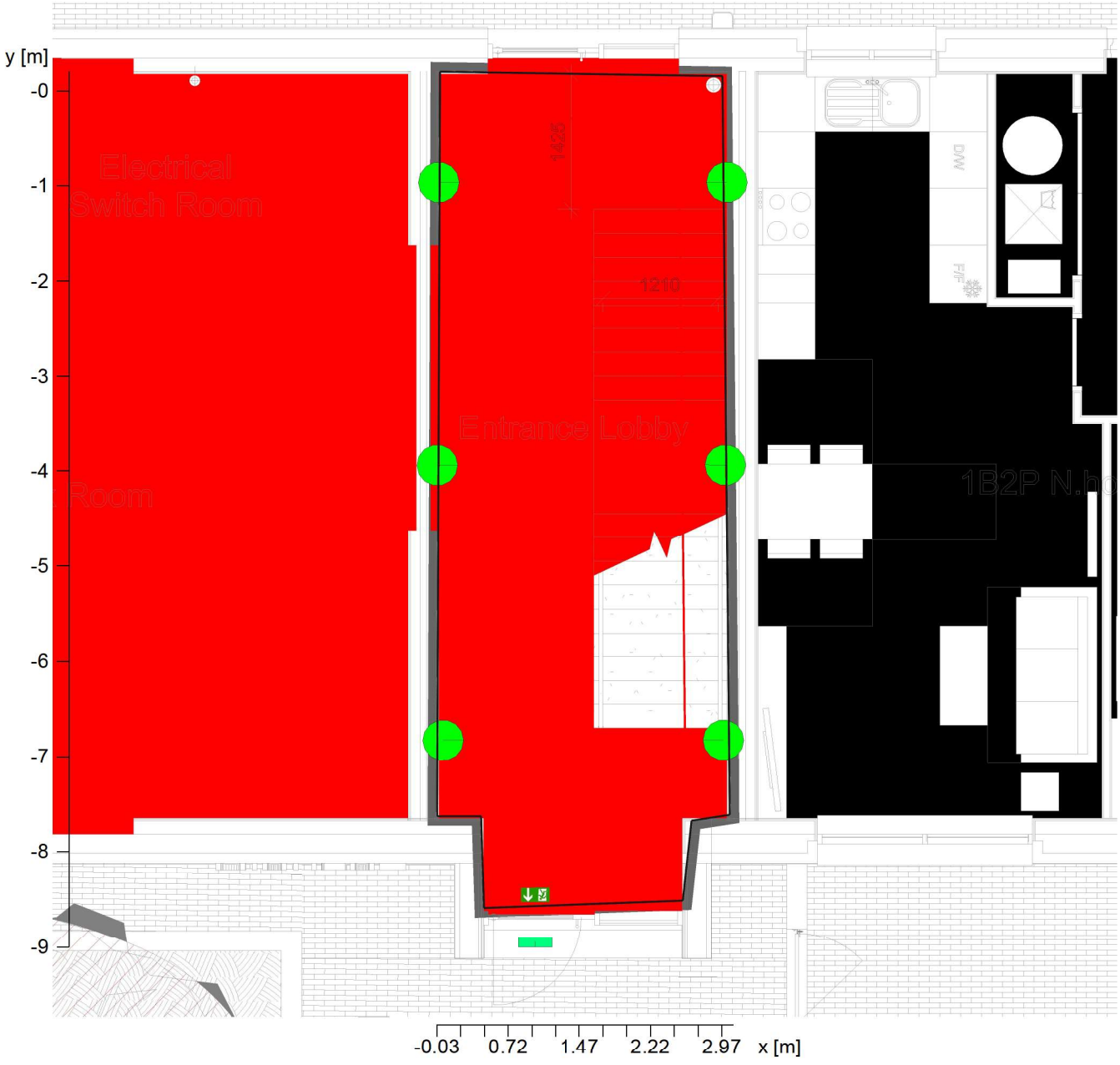
Order No. : !TYP L54 PC 5S LE3 -- Emergency Lighting --
Luminaire name : TYPHON
Equipment : 1 x Dextra 31.7 W / 4644 lm
Emergency : 421 lm (9.1 %)

CCL Review Outcome - Status A No Comment

13 Stair 2

13.1 Description, Stair 2

13.1.1 Floor plan



Wall	x	y	Length	Reflectance
1	127.04 m	8.66 m	7.83 m	50.0 %
2	127.51 m	8.66 m	0.46 m	50.0 %
3	127.54 m	7.70 m	0.96 m	50.0 %
4	129.63 m	7.78 m	2.10 m	50.0 %
5	129.72 m	8.61 m	0.84 m	50.0 %
6	130.13 m	8.68 m	0.41 m	50.0 %
7	130.05 m	16.44 m	7.77 m	50.0 %
8	127.07 m	16.49 m	2.97 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of ref. plane		0.00 m		

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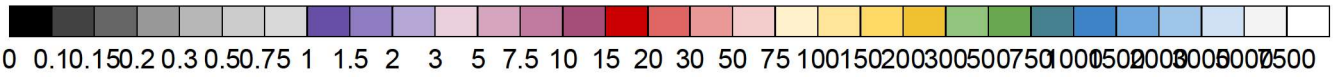
CCL Review Outcome - Status A No Comment

13 Stair 2

13.2 Summary, Stair 2

13.2.1 Result overview, Evaluation area 1





General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	14588.80 lm
Total power	121.8 W
Total power per area (25.62 m²)	4.75 W/m² (2.20 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**	
	Horizontal	cylindrical
$\bar{E}_m$	216 lx	126 lx
E_{min}	158 lx	98 lx
$E_{min}/\bar{E}_m$ (U_o)	0.73	0.78
E_{min}/E_{max} (U_d)	0.63	
E_z/E_h		0.49
Position	0.00 m	0.45 m

Major surfaces	$\bar{E}_m$	U_o
M 1.9 (Ceiling)	255 lx	0.56
M 1.1 (Wall)	198 lx	0.70
M 1.6 (Wall)	186 lx	0.72
M 1.7 (Wall)	198 lx	0.71
M 1.8 (Wall)	248 lx	0.61

Type No.\Make

CCL Review Outcome - Status A No Comment

13 Stair 2

13.2 Summary, Stair 2

13.2.1 Result overview, Evaluation area 1

Dextra Group PLC

6 1 x



Order No. : EXI3 M3 LE3
Luminaire name : EXI3
Equipment : 1 x Dextra 3.6 W / 26.8 lm
Emergency : 17 lm (63.4 %)

14 6 x



Order No. : !AMED L30 LE3
Luminaire name : AMENITY DECORATIVE
Equipment : 1 x Dextra 19.7 W / 2427 lm
Emergency : 246 lm (10.1 %)

CCL Review Outcome - Status A No Comment

14 Exterior 1

14.1 Description, Exterior 1

14.1.1 Floor plan



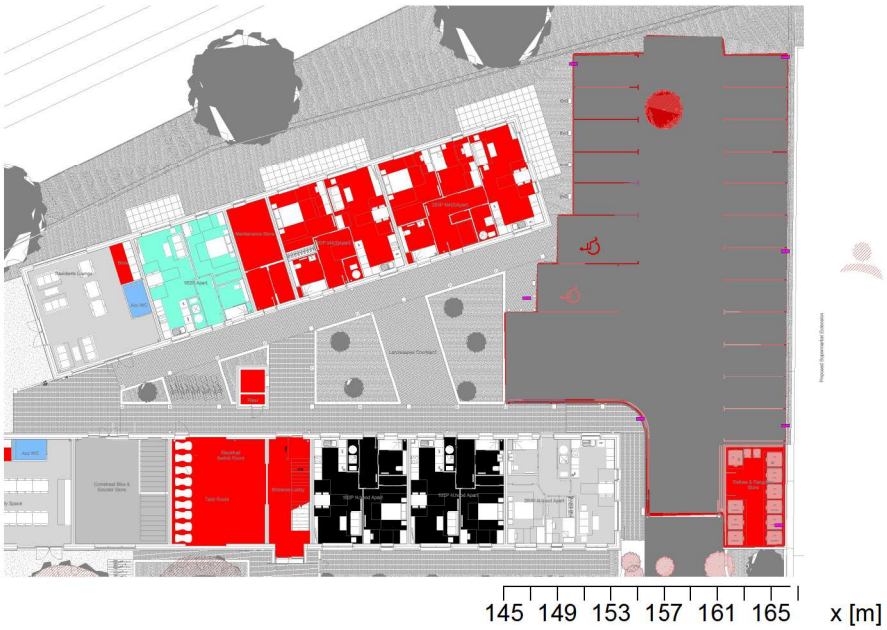
Chris Jones 07584 528120
Cjones@dextragroup.co.uk

CCL Review Outcome - Status A No Comment

14 Exterior 1

14.2 Summary, Exterior 1

14.2.1 Result overview, Evaluation area 1





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height (phot.centre)	6.03 m
Maintenance factor	0.80
Total luminous flux	29952.00 lm
Total power	206.4 W
Total power per area (568.18 m²)	0.36 W/m² (1.49 W/m²/100lx)

Evaluation area 1	**Reference plane 1.1**
	Horizontal
$\bar{E}_m$	24.4 lx
E_{min}	10.7 lx
$E_{min}/\bar{E}_m$ (U_o)	0.44
E_{min}/E_{max} (U_d)	0.24
Position	0.00 m

Type No.\Make

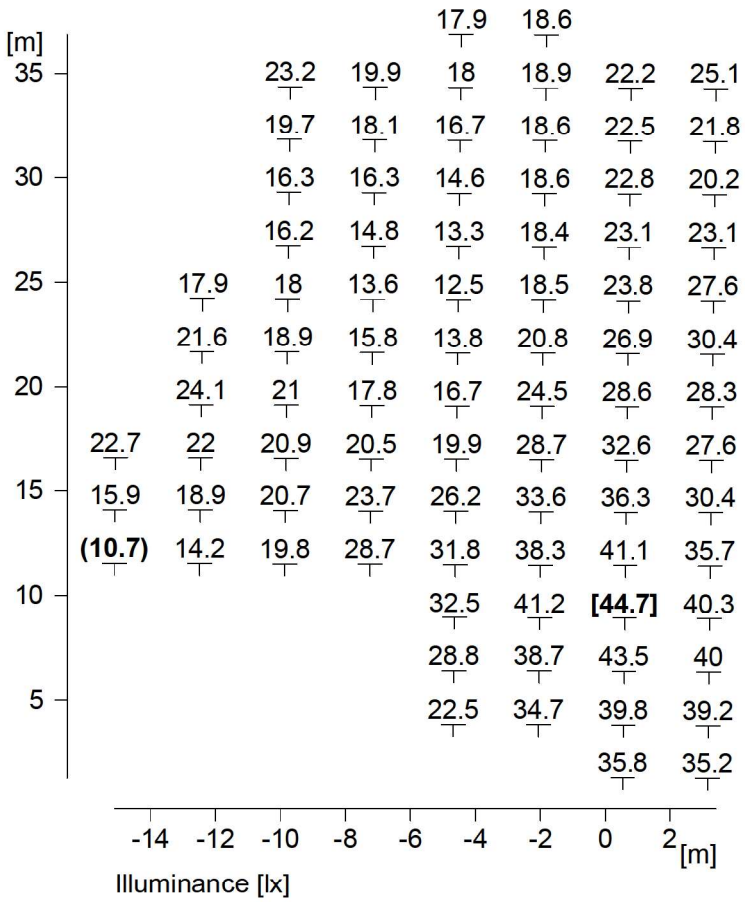
24 6 x **Dextra Group PLC**
Order No. : OPUCSL L60 OA
Luminaire name : OPUS COLUMN SMALL
Equipment : 1 x Dextra 34.4 W / 4992 lm

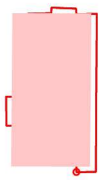
CCL Review Outcome - Status A No Comment

14 Exterior 1

14.3 Calculation results, Exterior 1

14.3.1 Table, Reference plane 1.1 (E)





Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 24.4 lx
Minimum illuminance	E_{min}	: 10.7 lx
Maximum illuminance	E_{max}	: 44.7 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.28 (0.44)

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