Exterior Front elevation

Installation : 340 Deansgate

Project number : -
Customer : TSK
Processed by : JB - DLUK
Date : 06.02.2008

Project description:
Kirr Set Fittings removed



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	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Luminaire data

Delta Light, MONO DOWN-UP (223 51 01)

Data sheet

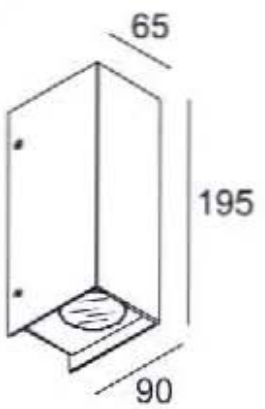
Manufacturer: Delta Light

223 51 01 17- EXTERIOR Wall Lamps MONO DOWN-UP

Luminaire arrangement for:
223 51 01

	Position			Rotation		
	x[m]	y[m]	z[m]	Z[°]	C0[°]	C90[°]
QR-CBC51--35 :	0.014	0.000	-0.019	0	0	180
QR-CBC51--35 :	0.014	0.000	-0.165	0	0	0

Position is the LDC position of the luminaire.





QR-CBC51--35 QR-CBC51

Luminaire data

Luminaires efficiency	:	100% (A70) ⇓ 99.9% ⇑ 0.1%
Control gear	:	
System power	:	35 W
Diameter	:	51 mm
Height	:	1 mm

Equipped with

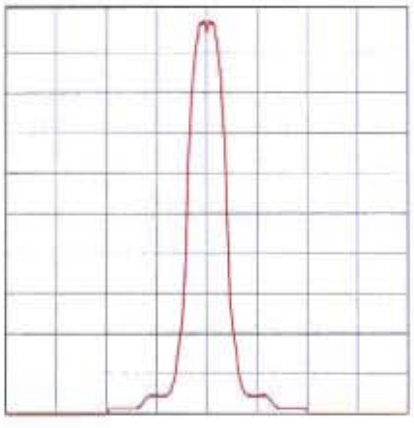
Number of	:	1
Designation	:	HRGI-Ø51 38°
Power	:	35 W
Colour	:	ww/3000K
Luminous flux	:	1120 lm

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Luminaire data

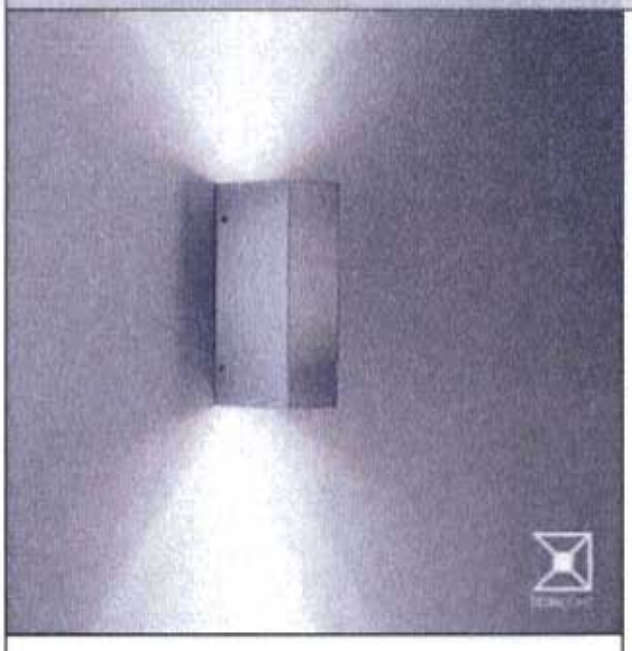
Delta Light, MONO DOWN-UP (223 51 01)

Data sheet



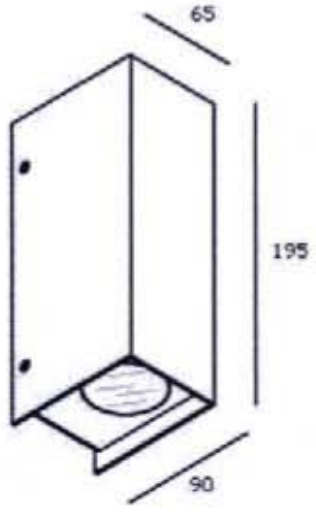
DELTALIGHT®

223 51 01 / MONO DOWN-UP



available colour:
INOX : 223 51 01 INOX
INOX 316 L
INDOOR MAX.35W LAMPS
GX5.3 - 12V - EXCL.TRANSFO
2 x QR-CBC51 - 35 W (max)
1.2 kg IP44 I
norm: CE - CEBEC

For detailed installation instructions, please consult the manual.





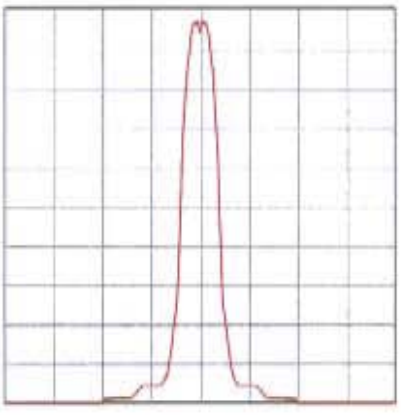
© DELTA LIGHT 2007

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	23.01.2008

Luminaire data

Delta Light, MONO DOWN-UP (223 51 01)

Data sheet



223 51 01 / MONO DOWN-UP





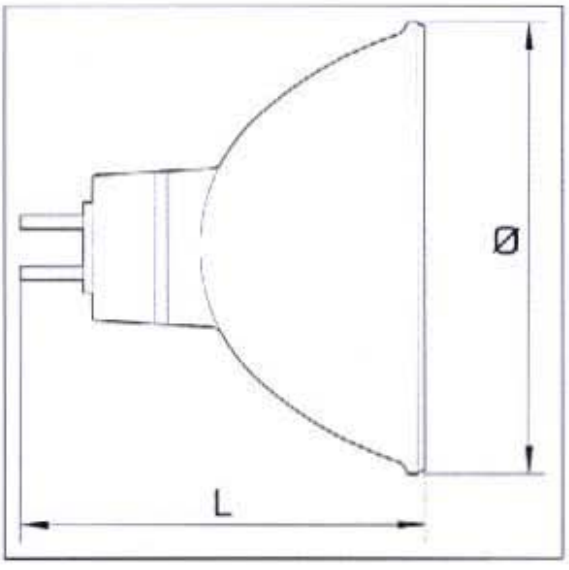
ULTRALIFE

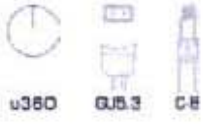
Low voltage dichroic lamps with very long life

Order no.: 187351

Techn. Values:

Design:	clear
Wattage:	35
Voltage:	12
Beam angle:	36°
Luminous intensity:	950
Colour temperature:	3000
Diameter:	50,7
Length:	44,9
Filament shapes:	c-8
ANSI-Code:	FMW/CG
Base:	GU5.3
Average life:	10000
Burning position:	u360
Packing unit:	50





ADVANTAGES:

- 10000 hours average life
- Cost reduction because of longer maintenance
- intervals
- High-quality titanium oxide coating
- Integrated, flush fitting cover glass
- Dimmable
- UV protection (UV-P)

APPLICATION:

in areas with high maintenance costs, e.g.:

- Shops
- Hotels and restaurants
- Open-plan offices
- Museums and galleries

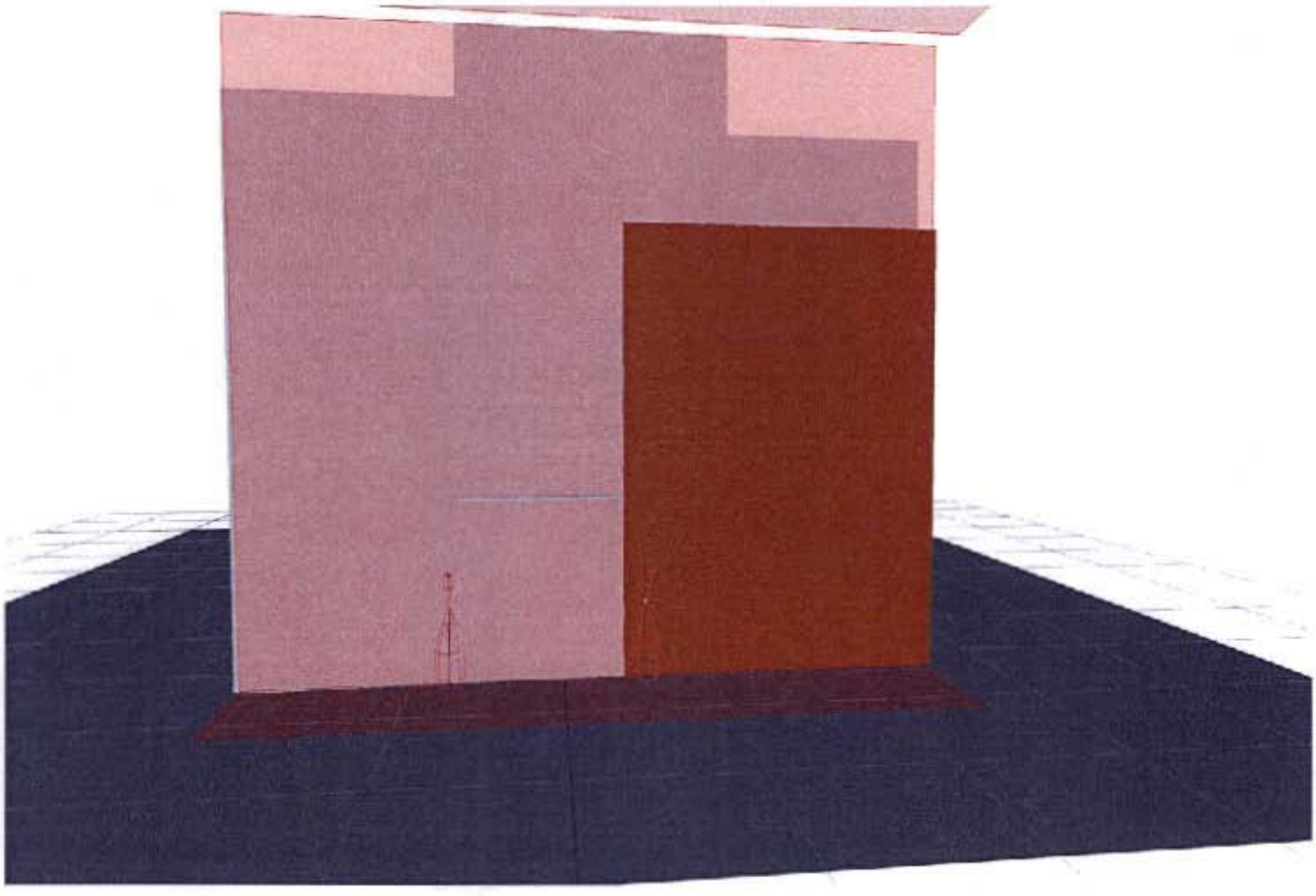
BLV Licht- und Vakuumtechnik GmbH
Münchener Straße 10 · 85643 Steinhöring/Germany · I

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Exterior

Description, Exterior

3D view, View 1

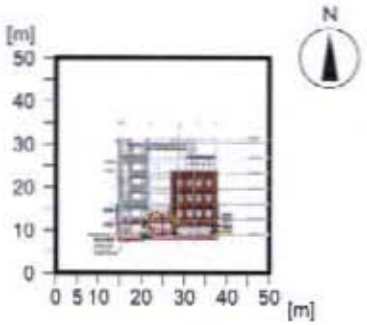


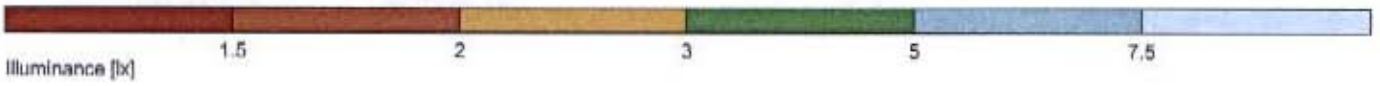
Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Exterior

Summary, Exterior

Result overview, elevation





General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux of all lamps	4480 lm
Total power	140 W
Total power per area (2500.00 m²)	0.06 W/m²

Illuminance

Average illuminance	Eav	3 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	10300 lx
Uniformity g1	Emin/Em	1:--- (---)
Uniformity g2	Emin/Emax	1:--- (---)

Type No.\Make

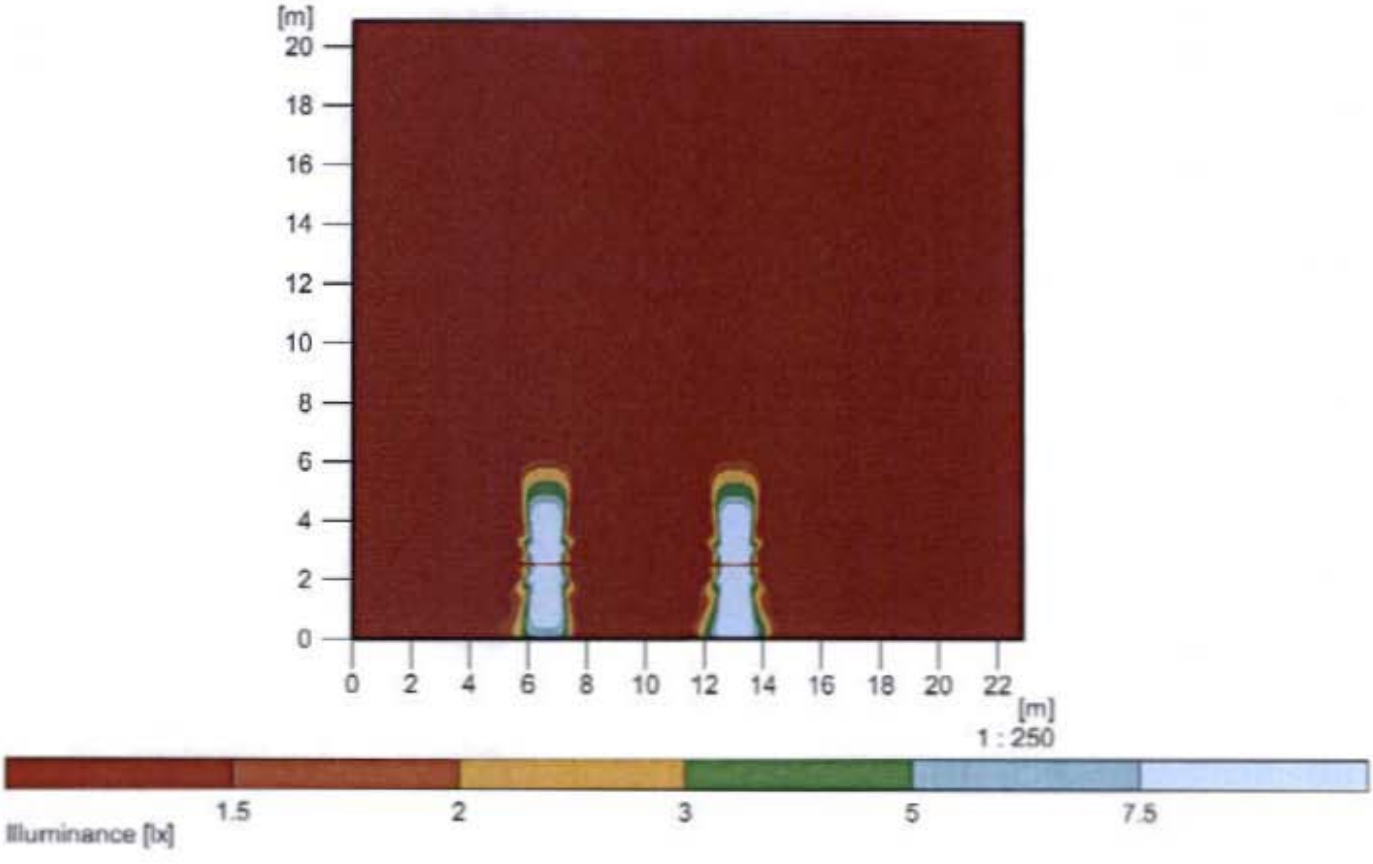
		Delta Light	
1	2	Order No.	: 223 51 01
		Luminaire name	: MONO DOWN-UP
		with	: 2 x QR-CBC51--35
		Equipment	: 1 x HRGI-Ø51 38° 35 W / 1120 lm

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Exterior

Calculation results, Exterior

Pseudo colours, elevation (E)

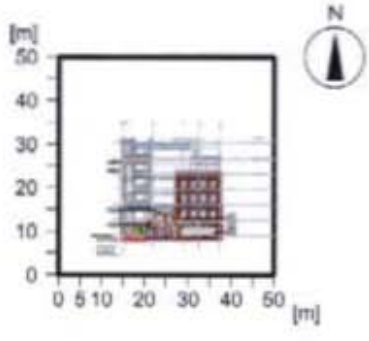


Average illuminance	Eav	: 3 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 10300 lx
Uniformity g1	Emin/Eav	: ---
Uniformity g2	Emin/Emax	: ---

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Summary, Exterior

Result overview, level with building height





General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux of all lamps	4480 lm
Total power	140 W
Total power per area (2500.00 m²)	0.06 W/m²

Illuminance

Average illuminance	Eav	4.19 lx
Minimum illuminance	Emin	0.08 lx
Maximum illuminance	Emax	8.77 lx
Uniformity g1	Emin/Em	1:52.7 (0.02)
Uniformity g2	Emin/Emax	1:110 (0.01)

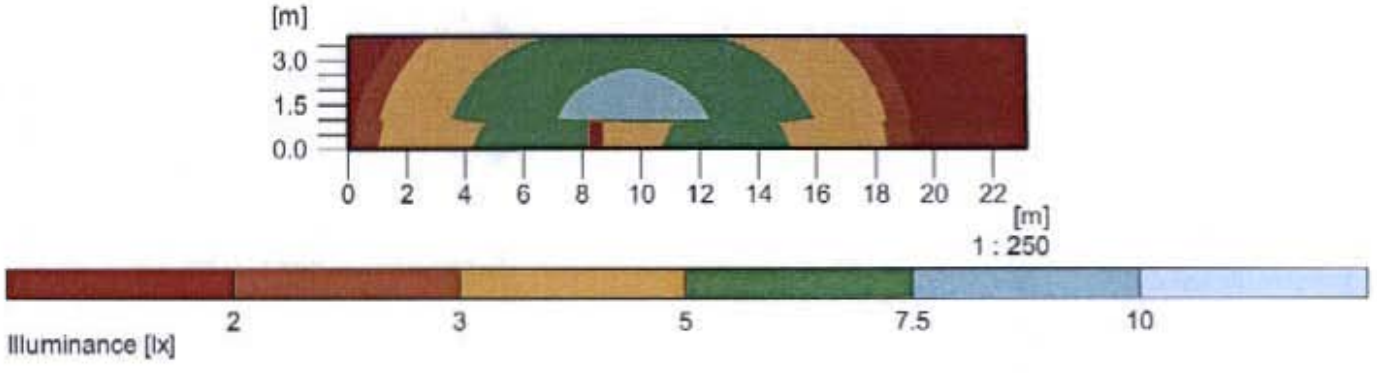
Type No.\Make

		Delta Light	
1	2	Order No.	: 223 51 01
		Luminaire name	: MONO DOWN-UP
		with	: 2 x QR-CBC51--35
		Equipment	: 1 x HRGI-Ø51 38° 35 W / 1120 lm

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Calculation results, Exterior

Pseudo colours, level with building height (E)

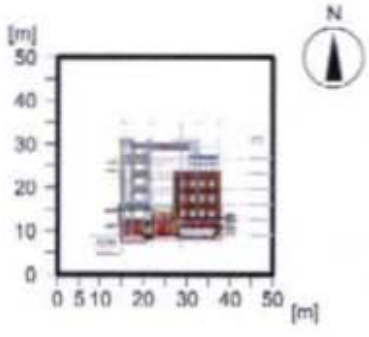


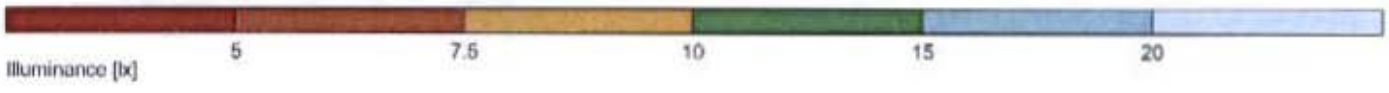
Average illuminance	Eav	: 4.19 lx
Minimum illuminance	Emin	: 0.08 lx
Maximum illuminance	Emax	: 8.77 lx
Uniformity g1	Emin/Eav	: 1 : 52.65 (0.02)
Uniformity g2	Emin/Emax	: 1 : 110.15 (0.01)

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Summary, Exterior

Result overview, Floor Level





General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	4480 lm
Total power	140 W
Total power per area (2500.00 m²)	0.06 W/m²

Illuminance

Average illuminance	Eav	12 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	275 lx
Uniformity g1	Emin/Em	1:177 (0.01)
Uniformity g2	Emin/Emax	1:4220 (0)

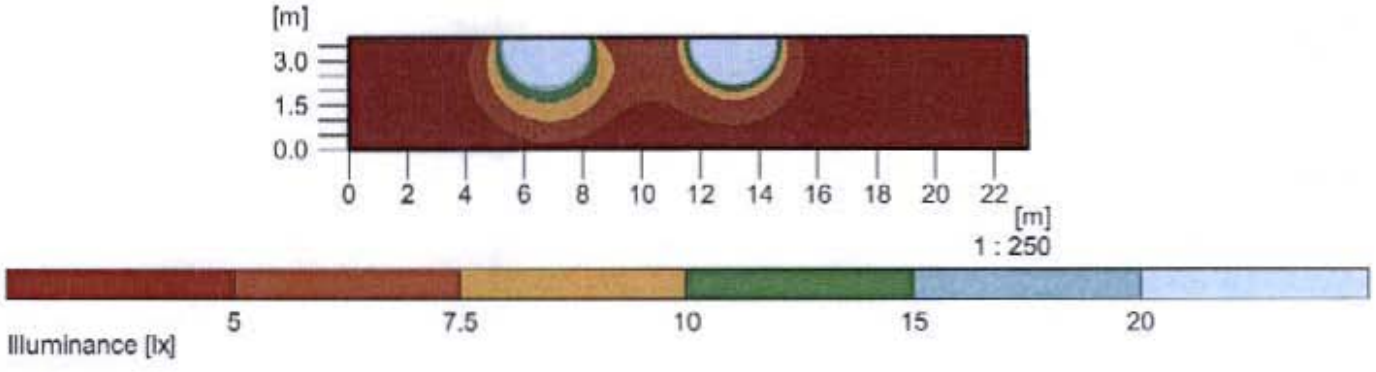
Type No.\Make

		Delta Light	
1	2	Order No.	: 223 51 01
		Luminaire name	: MONO DOWN-UP
		with	: 2 x QR-CBC51--35
		Equipment	: 1 x HRGI-Ø51 38° 35 W / 1120 lm

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Calculation results, Exterior

Pseudo colours, Floor Level (E)



Height of the reference plane		: 0.00 m
Average illuminance	Eav	: 12 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 275 lx
Uniformity g1	Emin/Eav	: 1 : 176.96 (0.01)
Uniformity g2	Emin/Emax	: 1 : 4219.19 (0.00)

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Calculation results, Exterior

3D luminance, View 1



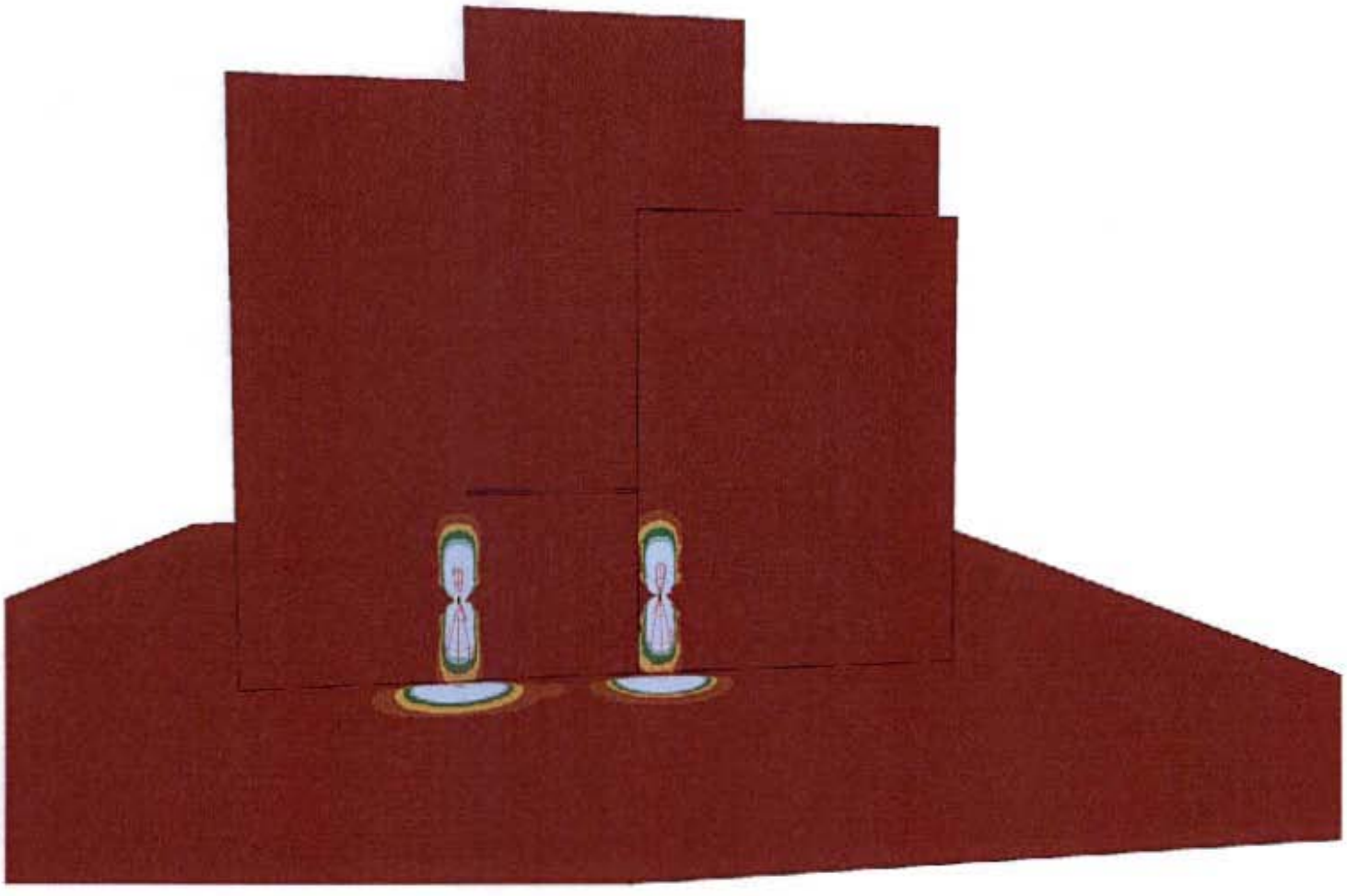
Luminance in the scene

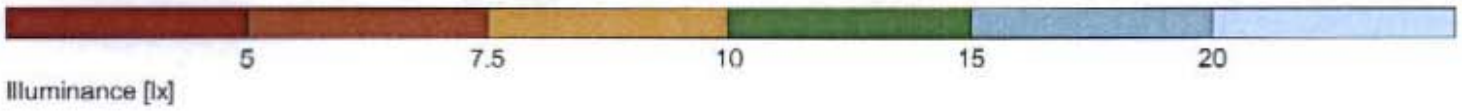
Minimum:	: 0 cd/m²
Maximum:	: 474 cd/m²

Object	:	Exterior Front elevation
Installation	:	340 Deansgate
Project number	:	-
Date	:	06.02.2008

Calculation results, Exterior

3D pseudo colours, View 1 (E)





Illuminance [lx]