McDonalds Havant

Installation : McDonalds Havant

Project number	:	McDonalds Havant
Customer	:	McDonalds
Processed by	:	Paul Cook
Date	:	14.09.2011

Project description:
Project Manager : Daniel Swannack

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

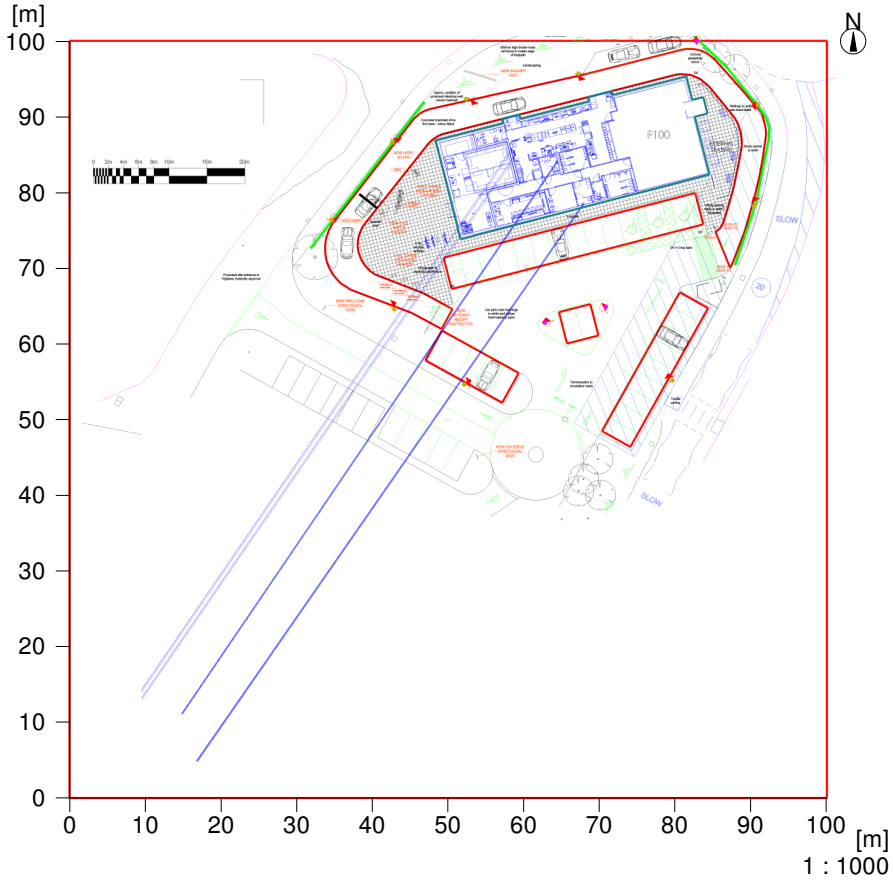
Guarantee claims for luminaire data are excluded.

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

Exterior 1

Description, Exterior 1

Floor plan

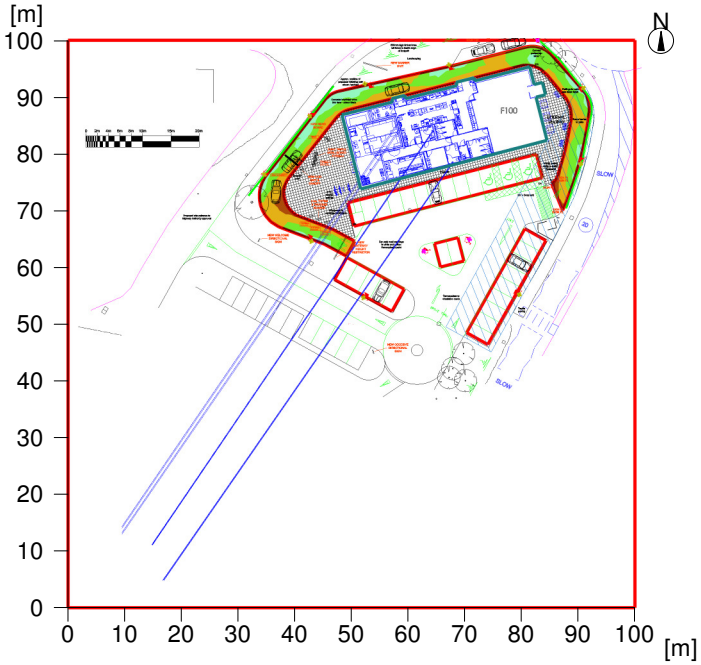


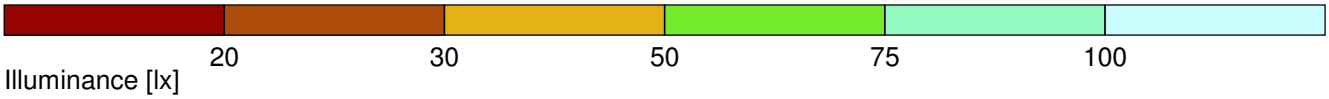
Object : McDonalds Havant
Installation : McDonalds Havant
Project number : McDonalds Havant
Date : 14.09.2011

Exterior 1

Summary, Exterior 1

Result overview, Roadway





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
photometric centre height. [m]:	4.93 m
Maintenance factor	0.80
Total luminous flux of all lamps	135000 lm
Total power	2040 W
Total power per area (10000.00 m²)	0.20 W/m²

Illuminance

Average illuminance	Eav	55.3 lx
Minimum illuminance	Emin	23.5 lx
Maximum illuminance	Emax	93.7 lx
Uniformity g1	Emin/Em	1:2.35 (0.43)
Uniformity g2	Emin/Emax	1:3.99 (0.25)

Type No.\Make

iGuzzini illuminazione S.p.A/Lab./Ver. 04/01

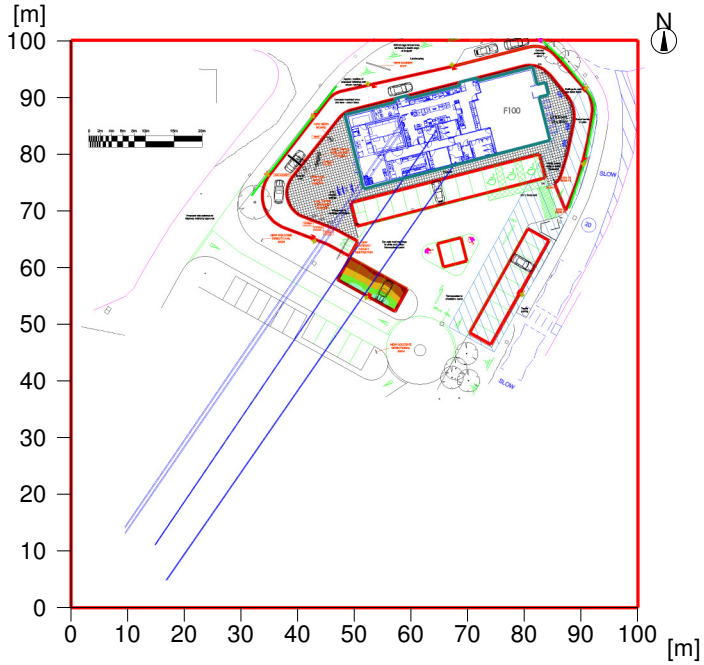
1 9 Order No. : BC600000
Luminaire name : Delphi: BC60+1745 - 150W Rx7s HIT-DE/HST-DE- street optic - Metal halide la...
Equipment : 1 x HIT-DE Rx7s 150W / 11250 lm

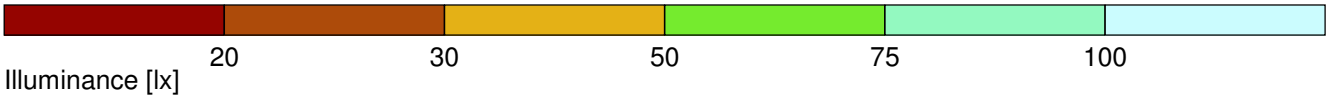
2 3 Order No. : BC660000
Luminaire name : Delphi: BC66+1745 - 150W HIT-DE/HST-DE Rx7s- 60° asymmetrical optic - Metal...
Equipment : 1 x HIT-DE Rx7s 150W / 11250 lm

Object : McDonalds Havant
Installation : McDonalds Havant
Project number : McDonalds Havant
Date : 14.09.2011

Summary, Exterior 1

Result overview, Measuring area (virtual) 2





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
photometric centre height. [m]:	4.93 m
Maintenance factor	0.80
Total luminous flux of all lamps	135000 lm
Total power	2040 W
Total power per area (10000.00 m²)	0.20 W/m²

Illuminance

Average illuminance	Eav	44.8 lx
Minimum illuminance	Emin	16.8 lx
Maximum illuminance	Emax	95.1 lx
Uniformity g1	Emin/Em	1:2.66 (0.38)
Uniformity g2	Emin/Emax	1:5.66 (0.18)

Type No.\Make

iGuzzini illuminazione S.p.A/Lab./Ver. 04/01

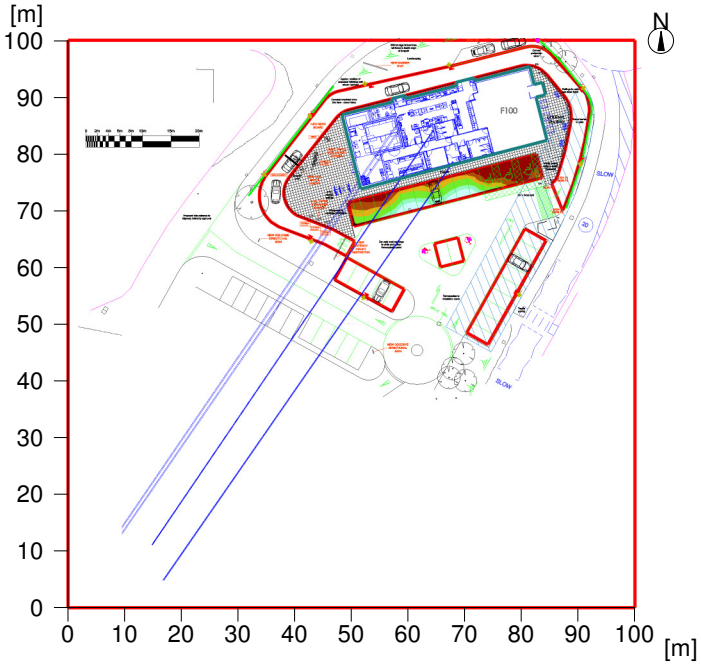
1 9
Order No. : BC600000
Luminaire name : Delphi: BC60+1745 - 150W Rx7s HIT-DE/HST-DE- street optic - Metal halide la...
Equipment : 1 x HIT-DE Rx7s 150W / 11250 lm

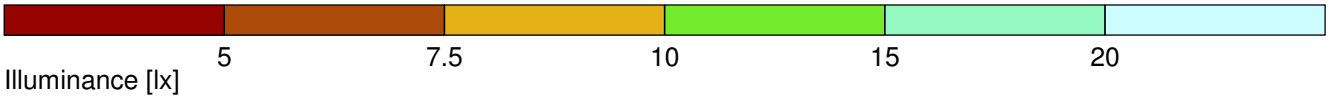
2 3
Order No. : BC660000
Luminaire name : Delphi: BC66+1745 - 150W HIT-DE/HST-DE Rx7s- 60° asymmetrical optic - Metal...
Equipment : 1 x HIT-DE Rx7s 150W / 11250 lm

Object : McDonalds Havant
Installation : McDonalds Havant
Project number : McDonalds Havant
Date : 14.09.2011

Summary, Exterior 1

Result overview, Measuring area (virtual) 3





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
photometric centre height. [m]:	4.93 m
Maintenance factor	0.80
Total luminous flux of all lamps	135000 lm
Total power	2040 W
Total power per area (10000.00 m²)	0.20 W/m²

Illuminance

Average illuminance	Eav	10 lx
Minimum illuminance	Emin	2.2 lx
Maximum illuminance	Emax	26.4 lx
Uniformity g1	Emin/Em	1:4.54 (0.22)
Uniformity g2	Emin/Emax	1:12 (0.08)

Type No.\Make

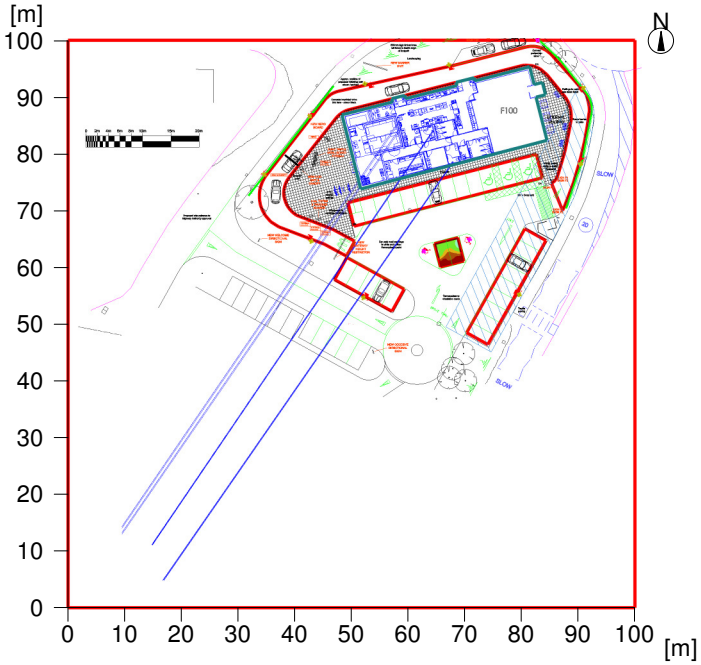
iGuzzini illuminazione S.p.A/Lab./Ver. 04/01

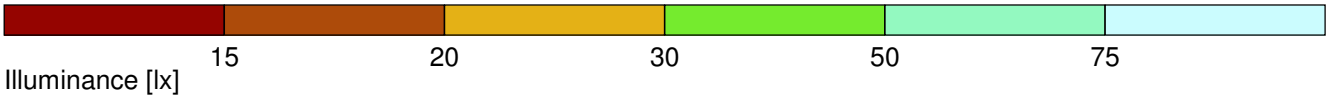
1	9	Order No.	: BC600000
		Luminaire name	: Delphi: BC60+1745 - 150W Rx7s HIT-DE/HST-DE- street optic - Metal halide la...
		Equipment	: 1 x HIT-DE Rx7s 150W / 11250 lm
2	3	Order No.	: BC660000
		Luminaire name	: Delphi: BC66+1745 - 150W HIT-DE/HST-DE Rx7s- 60° asymmetrical optic - Metal...
		Equipment	: 1 x HIT-DE Rx7s 150W / 11250 lm

Object : McDonalds Havant
Installation : McDonalds Havant
Project number : McDonalds Havant
Date : 14.09.2011

Summary, Exterior 1

Result overview, Measuring area (virtual) 4





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
photometric centre height. [m]:	4.93 m
Maintenance factor	0.80
Total luminous flux of all lamps	135000 lm
Total power	2040 W
Total power per area (10000.00 m²)	0.20 W/m²

Illuminance

Average illuminance	Eav	28.8 lx
Minimum illuminance	Emin	6.4 lx
Maximum illuminance	Emax	60.1 lx
Uniformity g1	Emin/Em	1:4.51 (0.22)
Uniformity g2	Emin/Emax	1:9.4 (0.11)

Type No.\Make

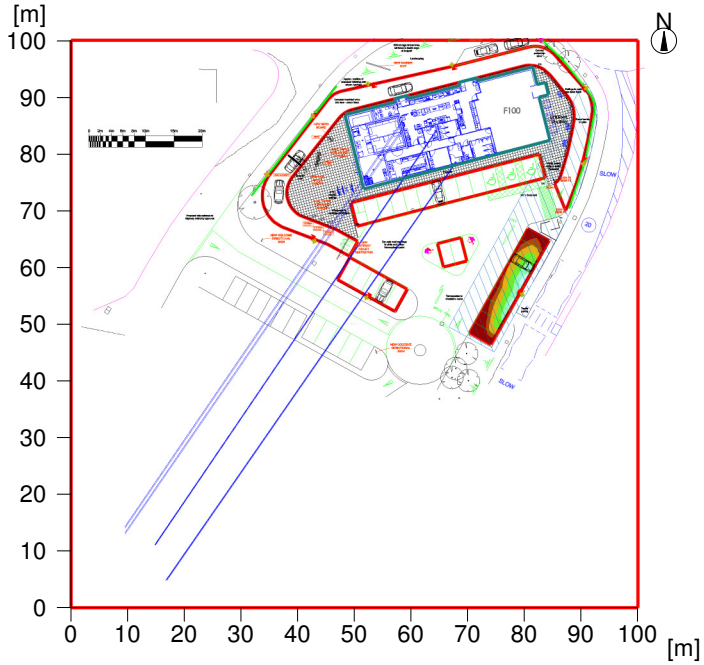
iGuzzini illuminazione S.p.A/Lab./Ver. 04/01

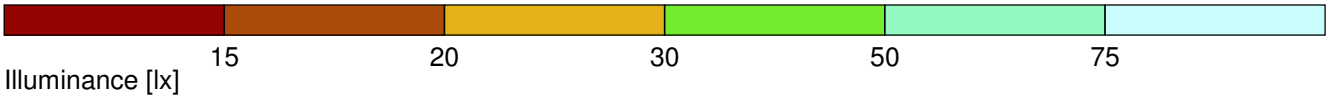
1 9
Order No. : BC600000
Luminaire name : Delphi: BC60+1745 - 150W Rx7s HIT-DE/HST-DE- street optic - Metal halide la...
Equipment : 1 x HIT-DE Rx7s 150W / 11250 lm

2 3
Order No. : BC660000
Luminaire name : Delphi: BC66+1745 - 150W HIT-DE/HST-DE Rx7s- 60° asymmetrical optic - Metal...
Equipment : 1 x HIT-DE Rx7s 150W / 11250 lm

Summary, Exterior 1

Result overview, Measuring area (virtual) 5





Illuminance [lx]

General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
photometric centre height. [m]:	4.93 m
Maintenance factor	0.80
Total luminous flux of all lamps	135000 lm
Total power	2040 W
Total power per area (10000.00 m²)	0.20 W/m²

Illuminance

Average illuminance	Eav	30.6 lx
Minimum illuminance	Emin	5.9 lx
Maximum illuminance	Emax	93.4 lx
Uniformity g1	Emin/Em	1:5.15 (0.19)
Uniformity g2	Emin/Emax	1:15.7 (0.06)

Type No.\Make

iGuzzini illuminazione S.p.A/Lab./Ver. 04/01

1 9
Order No. : BC600000
Luminaire name : Delphi: BC60+1745 - 150W Rx7s HIT-DE/HST-DE- street optic - Metal halide la...
Equipment : 1 x HIT-DE Rx7s 150W / 11250 lm

2 3
Order No. : BC660000
Luminaire name : Delphi: BC66+1745 - 150W HIT-DE/HST-DE Rx7s- 60° asymmetrical optic - Metal...
Equipment : 1 x HIT-DE Rx7s 150W / 11250 lm