Manchester Central

Installation : Roof Signage Proposal

Project number	: 24371232
Customer	: Manchester Central
Processed by	: CEG
Date	: 29.10.2009



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.

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1 Luminaire data

1.1 iGuzzini illuminazione S.p.A/Lab/Ver. 10.07, Linealuce: BB96 (BB960000)

1.1.1 Data sheet

Manufacturer: iGuzzini illuminazione S.p.A/Lab/Ver. 10.07

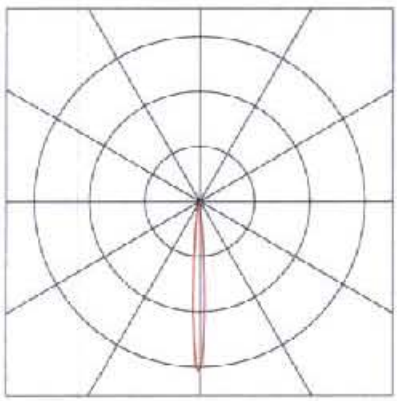
BB960000 **Linealuce: BB96**

Luminaire data

Luminaires efficiency	:	59% (A80) ⇓ 99.1% ⇑ 0.9%
Control gear	:	
System power	:	30 W
Length	:	1238 mm
Width	:	75 mm
Height	:	76 mm

Equipped with

Number of	:	1
Designation	:	LED / 30W
Power	:	0 W
Colour	:	
Luminous flux	:	2317.5 lm

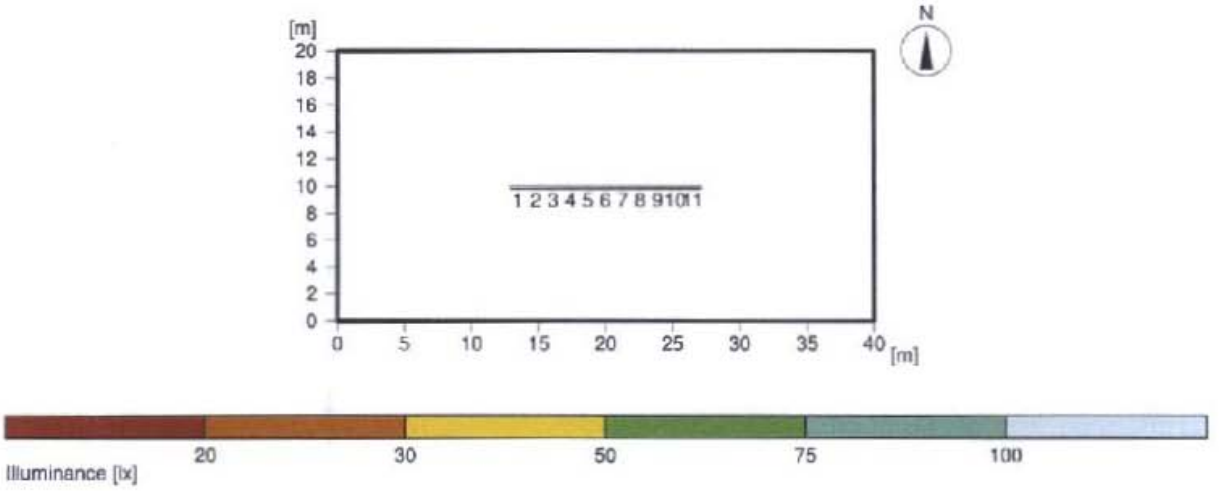


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2 Exterior

2.1 Summary, Exterior

2.1.1 Result overview, Measuring area (virtual) 1



General

Calculation algorithm used	Average indirect fraction
photometric centre height. [m]:	0.08 m
Maintenance factor	0.80
Total luminous flux of all lamps	25492.5 lm
Total power	330 W
Total power per area (800.00 m²)	0.41 W/m²

Illuminance

Average illuminance	Eav	53 lx
Minimum illuminance	Emin	1 lx
Maximum illuminance	Emax	126 lx
Uniformity g1	Emin/Em	1:82 (0.01)
Uniformity g2	Emin/Emax	1:196 (0.01)

Type No.\Make

		iGuzzini illuminazione S.p.A/Lab/Ver. 10.07
3	11	Order No. : BB960000
		Luminaire name : Linealuce: BB96
		Equipment : 1 x LED / 30W 0 W / 2317.5 lm

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2 Exterior

2.2 Calculation results, Exterior

2.2.1 Table, Cube 1.3 (L)

[m]																			
	(11.2)	11.8	12.9	11.7	12.8	11.3	12.4	11.6	12.5	12.8	12.9	12.5	11.5	12.4	11.3	12.8	11.6	12.8	11.8	11.3
1.2	15.9	16.8	19.3	16.6	18.6	14.7	16.7	16.8	17.8	18.9	19.2	17.9	17	16.9	16.4	18.7	17.4	18.9	16.6	16.1
0.8																				
0.4	41	40	40	34.7	41.3	30.9	39.2	38.9	41.1	38.8	38.6	41.6	39	39.6	31.1	[41.9]	36.4	40.3	39.2	40.7

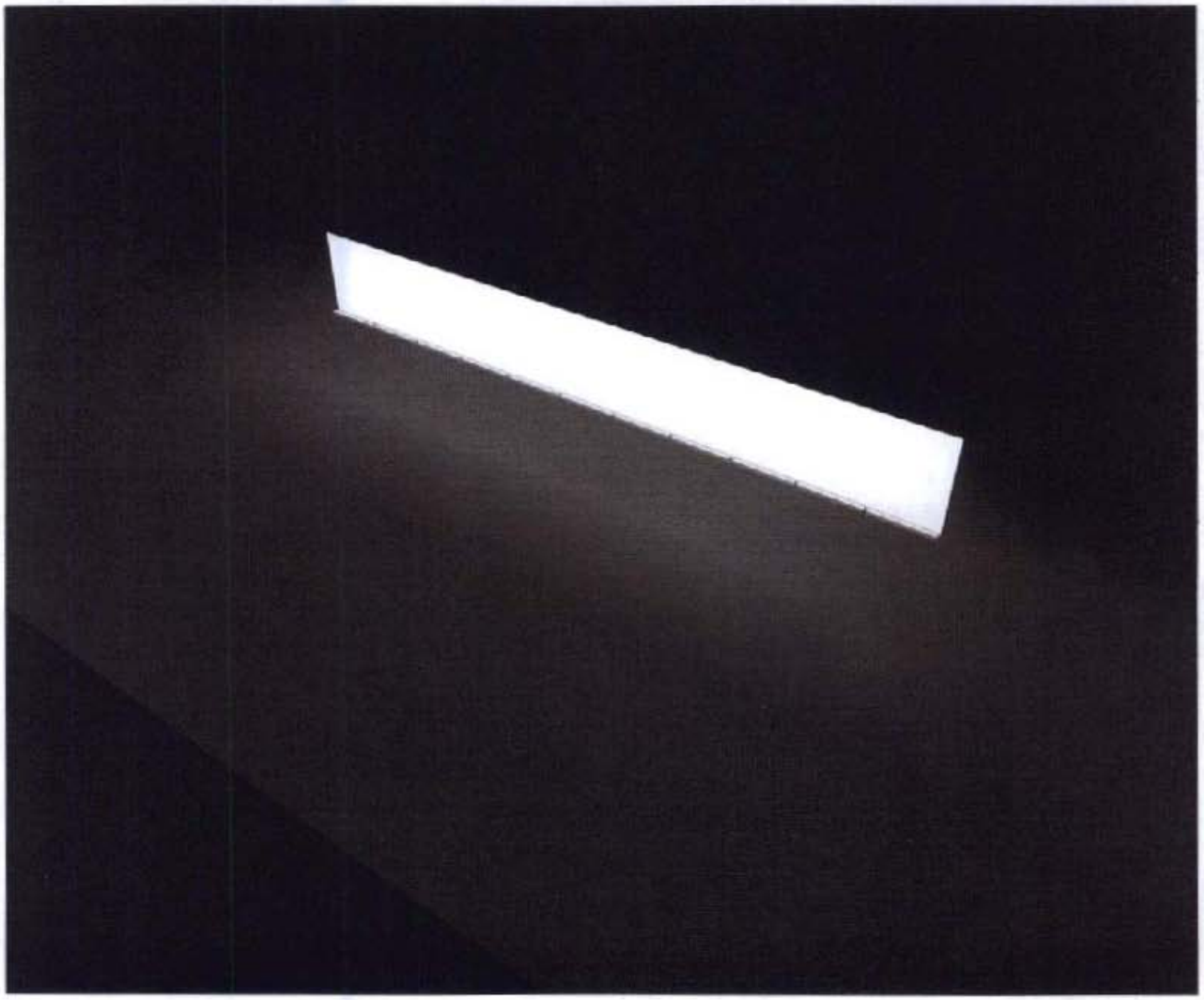
2 4 6 8 10 12 [m]

Luminance [cd/m²]

Average luminance	Lav	: 22.7 cd/m²
Minimum luminance	Lmin	: 11.2 cd/m²
Maximum luminance	Lmax	: 41.9 cd/m²

2.2 Calculation results, Exterior

2.2.2 3D luminance, View 1



Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 41.9 cd/m²