



raudna basic
LAMP S.A.

C/ Córdoba 16 - 08226 Terrassa E

30/11/2004
Tel +34/902/204010 - Fax +34/93/7861551

1.1 General Notes

Surface	Dimensions [m]	Angle[°]	Color	Coefficient Reflectance	Average Illum. [lux]	Ave.Luminance [cd/m²]
Ceiling	4.50x6.20	Plane	RGB=255,255,255	80%	79	20
Wall 1	4.50x4.50	-90°	RGB=244,164,96	55%	186	32
Wall 2	4.50x6.20	-180°	RGB=244,164,96	55%	219	38
Wall 3	4.50x4.50	90°	RGB=244,164,96	55%	186	33
Wall 4	4.50x6.20	0°	RGB=244,164,96	55%	220	38
Floor	6.20x4.50	Plane	RGB=126,126,126	40%	482	61

Dimensions of Room Bounding Box [m]: 6.20x4.50x4.50
 Calculation Points Grid of Bounding Box [m]: direction X 0.52 - Y 0.38 - Z 0.38
 Specific Wattage of Working Plane [W/m²] 18.710
 Specific Lighting Power of the Working Plane [W/(m² * 100lux)] 3.218
 Total Wattage [kW]: 0.522

1.2 Uniformity Installation Parameters

Surface	Results	Average	Minimum	Maximum	Ave/Max	Min/Max	Min/Ave
Working Plane (h=0.85 m)	Horizontal Illuminance (E)	581 lux	299 lux	822 lux	0.71	0.36	0.51
Floor	Horizontal Illuminance (E)	482 lux	281 lux	650 lux	0.74	0.43	0.58
Floor	Luminance (L)	61 cd/m²	36 cd/m²	83 cd/m²	0.74	0.43	0.58

Calculation Type Dir.+Indir.(1 Inter-Reflections)

Visual Comfort

Observer	Observer Position	Direction of Observation	VCP	UGR	CGI
1	(x=1.00;y=1.00;z=1.50)m	(x=2.00;y=1.00;z=1.50)m	61.42	7.76	8.99
2	(x=3.00;y=3.00;z=2.00)m	(x=4.00;y=3.00;z=2.00)m	9.59	15.39	16.62
3	(x=2.00;y=1.00;z=1.50)m	(x=2.00;y=2.00;z=1.50)m	15.14	13.27	14.10
4	(x=4.00;y=1.00;z=2.00)m	(x=4.00;y=2.00;z=2.00)m	28.74	12.43	13.32



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2.1 Luminaire/Measurements Info

Ref.	Line	Luminaire Name (Measur. Name)	Luminaire Code (Measur. Code)	Luminaires N.	Ref.Lamps	Lamps N.
A	Oval	LUM. OVAL 1X58 PARABOLICO (LUM. OVAL 1x36w Pbco. Blanco)	5201110 (5201100)	9	LMP-A	1

2.2 Lamps Info

Ref.Lamps	Type	Code	Flux [lm]	Wattage [W]	Color [°K]	N.
LMP-A	FD 58	35445	5200	58	4000	9

2.3 Luminaire Table

Ref.	Lum.	On	Luminaire Position X[m] Y[m] Z[m]	Luminaire Rotation X[°] Y[°] Z[°]	Luminaire Code	Coeff. Mant.	Lamp Code	Flux [lm]
A	1	X	1.42;0.76;3.20	0;0;0	5201110	0.70	35445	1*5200
	2	X	1.42;2.26;3.20	0;0;0		0.70		
	3	X	1.42;3.75;3.20	0;0;0		0.70		
	4	X	3.10;0.75;3.20	0;0;0		0.70		
	5	X	3.10;2.25;3.20	0;0;0		0.70		
	6	X	3.10;3.75;3.20	0;0;0		0.70		
	7	X	4.78;0.74;3.20	0;0;0		0.70		
	8	X	4.79;2.24;3.20	0;0;0		0.70		
	9	X	4.78;3.74;3.20	0;0;0		0.70		

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3.1 Isolux Curves on:room_work_plane_1

O (x:0.00 y:0.00 z:0.85)	Results	Average	Minimum	Maximum	Ave/Max	Min/Max	Min/Ave
DX:0.52 DY:0.38	Horizontal Illuminance (E)	581 lux	299 lux	822 lux	0.71	0.36	0.51

Calculation Type

Dir.+Indir.(1 Inter-Reflections)

Scale 1/50

