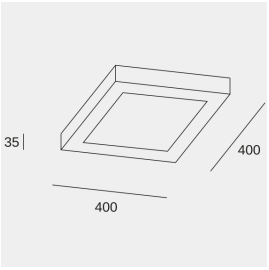
Instrucciones de montaje

Easy Square Surface 400mm

LedsC4 Team

TC-0414-BLA

Superficie de Techo Easy Square Surface 400mm IP23 LED 26.4W 4000K ON-OFF Blanco 2300lm



CARACTERÍSTICAS TÉCNICAS

IP23

Potencia total luminaria : 29.3W

Lúmenes reales : 2300

Lúmenes nominales : 3375

Lm / W reales : 78

Ángulo Ópticas / Reflector : HORIZONTAL 113º

Material de la estructura : Aluminio

Acabado estructura : Blanco

Material del difusor : Acrílico

Acabado difusor : Opal

Voltaje / Frecuencia : 100-240V ~ 50/60Hz

Protocolo de regulación : ON-OFF

Power Factor : 0.90

Vida útil : 36.000h L70B30

Garantía : 5 Años

Luminaria fácilmente reciclable

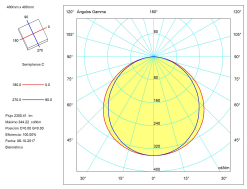
CARACTERÍSTICAS LUMINOTÉCNICAS

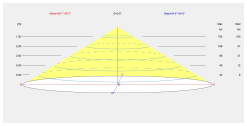
CRI: 80

MacAdam steps: 3

Riesgo fotobiológico: RG1

Portalámparas	Cantidad	Potencia fuente de luz (W)	Temperatura de color correlacionada (CCT)
LED	1	26.4W	4000K





LOGÍSTICA

Peso neto (Kg): 1.47

Peso embalado (Kg): 1.78

Embalaje: 410mm x 410mm x 45mm

5 Un

La imagen puede no coincidir con la referencia, LEDS C4 se reserva el derecho de modificación de alguno de los componentes que componen el producto. Los datos relativos al flujo, la potencia y la Temperatura de Color están sujetos a una tolerancia de +- 10%.

Luminaire
Code TC-0414-BLA
Name PLAFÓN FORLIGHT LEDS
Measurem.
Code TC-0413-BLA
Name PLAFÓN FORLIGHT LEDS

Luminaire Flux	2300.41 lm	Luminaire Power	30.68 W	Efficacy	74.98 lm/W	Efficiency	100.00%
Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Rectangular Luminaire		Length	400 mm	Width	400 mm	Height	35 mm
Rectangular Luminous Area		Length	354 mm	Width	354 mm	Height	0 mm
Horizontal Luminous Area		0.125316 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.030317 m2	

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	06-10-2017	Maximum Gamma Angle	90
Measurement Distance	0.00	Measurement Flux	2300.41 lm

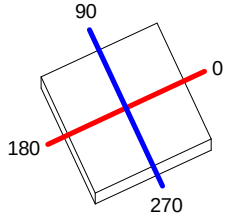
Operator	Asselum T2	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

Luminaire Lamps

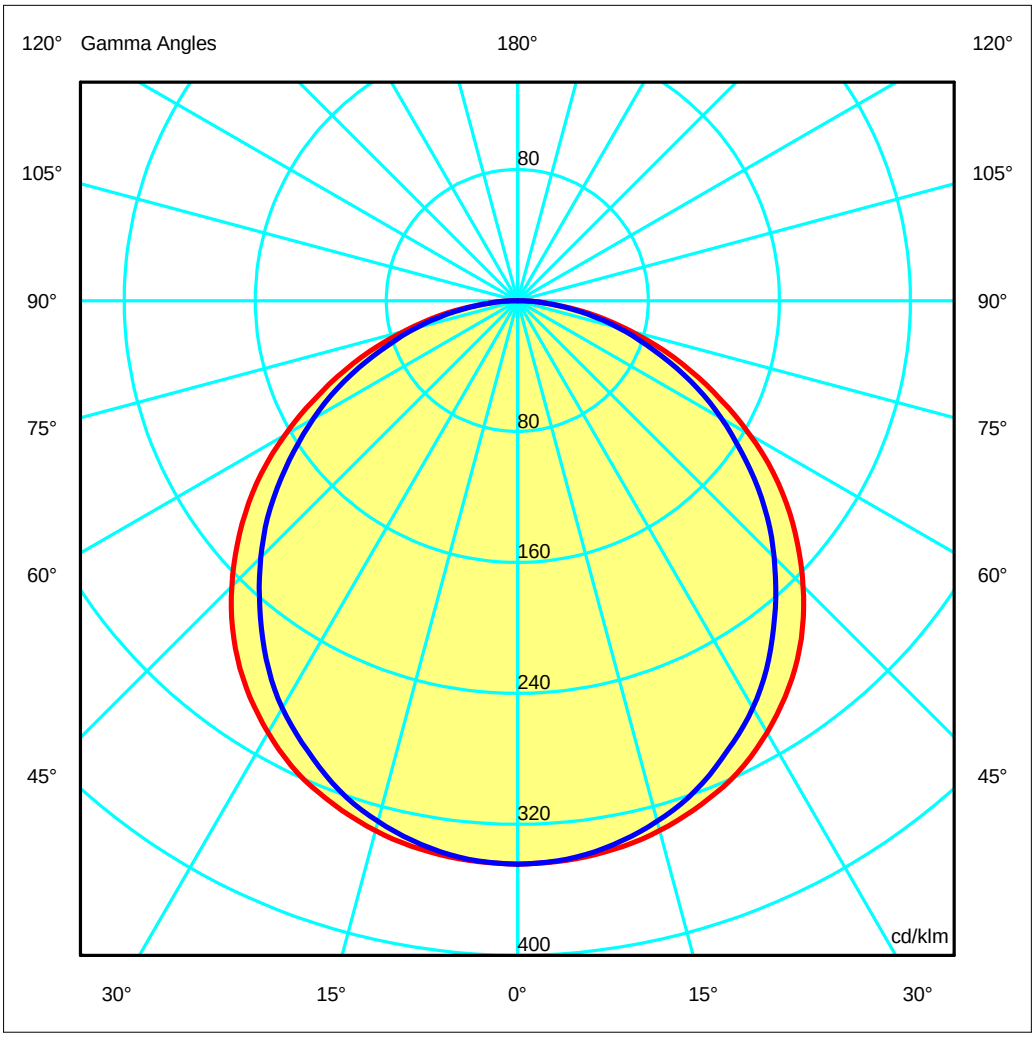
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	TC-0414-BLA	TC-0414-BLA	2300.41	30.68	1

C.I.E.	47 79 95 100 100	D DIN 5040	A30
F UTE	1.00 E	B NBN	BZ 5

400mm x 400mm



C Halfplanes
180.0 — 0.0
270.0 — 90.0



ULOR 0.00 %
DLOR100.00 %
RN 0.00 %

Luminaire
Code TC-0414-BLA
Name PLAFÓN FORLIGHT LEDS
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Code TC-0413-BLA
Name PLAFÓN FORLIGHT LEDS

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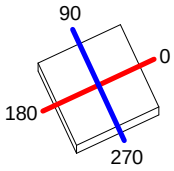
Luminous Intensity Table cd/klm **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	344.22	344.22	344.22	344.22	344.22	344.22	344.22
G 5.0	343.24	343.14	343.06	342.78	342.73	342.56	342.62
G 10.0	340.29	340.12	339.66	339.08	338.06	337.78	337.42
G 15.0	335.23	334.78	333.72	332.20	330.77	329.65	329.31
G 20.0	327.58	326.81	325.21	322.49	320.60	318.52	318.37
G 25.0	318.09	317.11	314.15	310.71	306.75	304.76	303.35
G 30.0	304.69	303.48	299.82	295.19	290.95	287.72	287.38
G 35.0	288.66	286.75	282.49	276.29	272.37	268.17	267.37
G 40.0	269.51	267.94	262.91	257.29	250.25	246.84	244.86
G 45.0	246.62	245.02	239.74	233.37	227.20	223.18	221.57
G 50.0	221.43	218.74	214.55	207.28	202.48	197.87	197.03
G 55.0	194.37	192.66	187.26	182.00	175.03	171.97	170.08
G 60.0	163.89	161.78	157.57	152.32	147.68	144.78	143.71
G 65.0	132.04	130.83	127.64	122.65	120.35	116.83	116.82
G 70.0	101.65	101.35	97.50	95.47	91.02	90.69	88.78
G 75.0	70.83	69.97	68.22	66.18	64.60	63.31	63.72
G 80.0	43.57	41.83	42.03	39.20	39.62	38.63	39.02
G 85.0	18.04	18.55	18.02	18.11	16.94	16.93	16.45
G 90.0	0.74	0.79	0.70	0.64	0.62	0.59	0.61

Luminaire
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Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

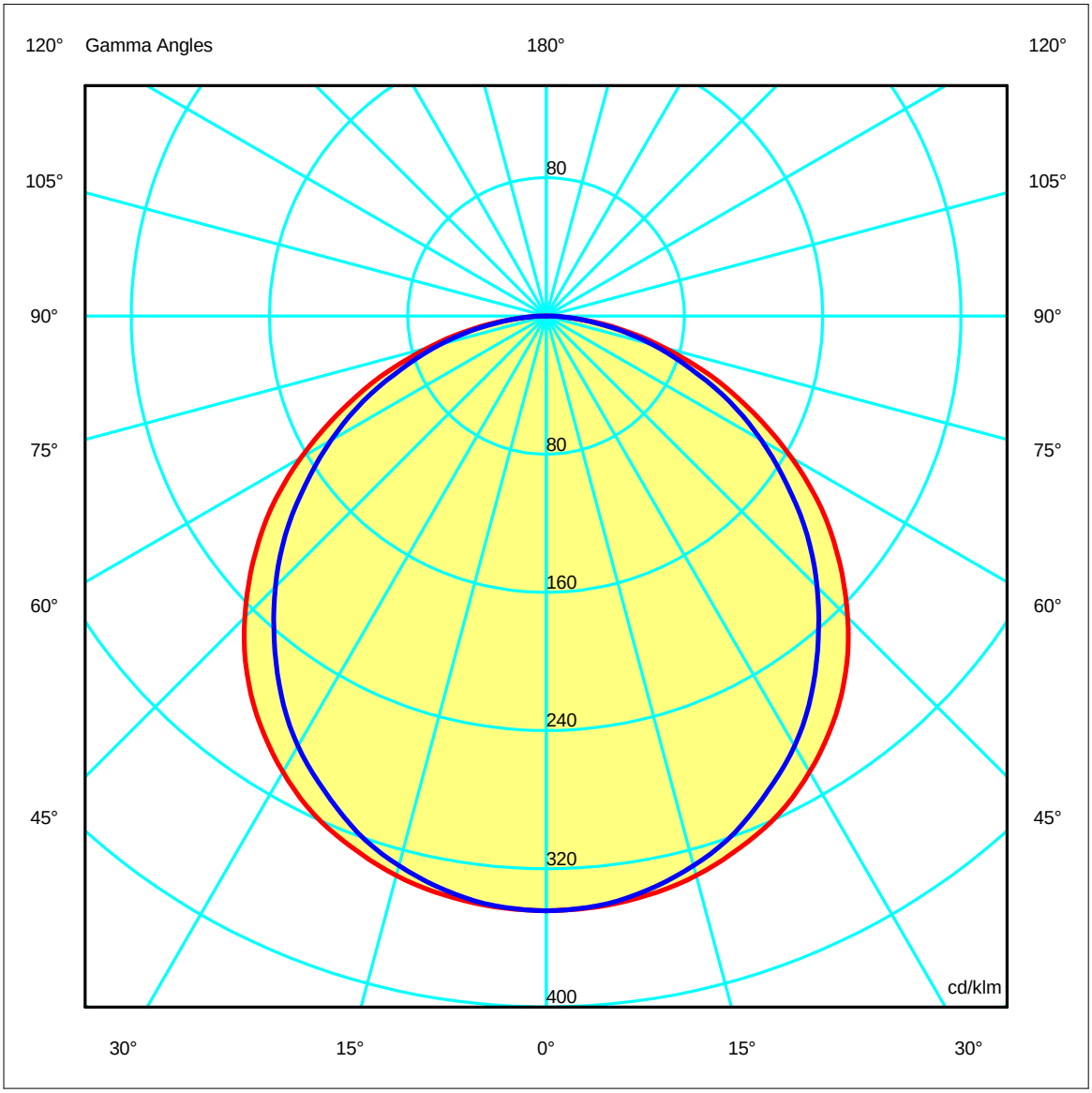
400mm x 400mm



C Halfplanes

180.0 0.0

270.0 90.0



Luminaire
Code TC-0414-BLA
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Measurem.
Code TC-0413-BLA
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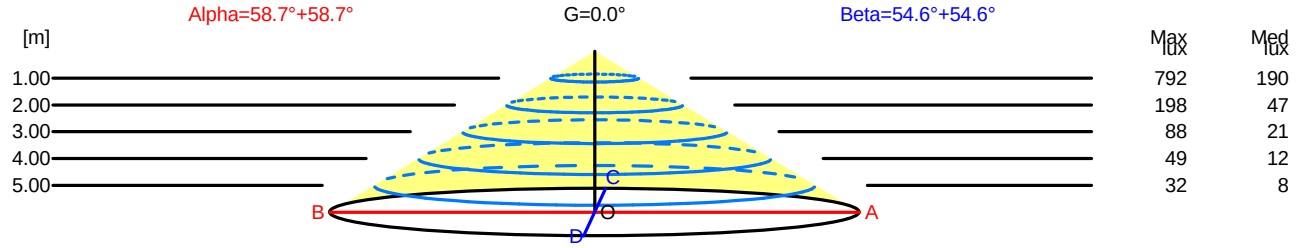
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Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

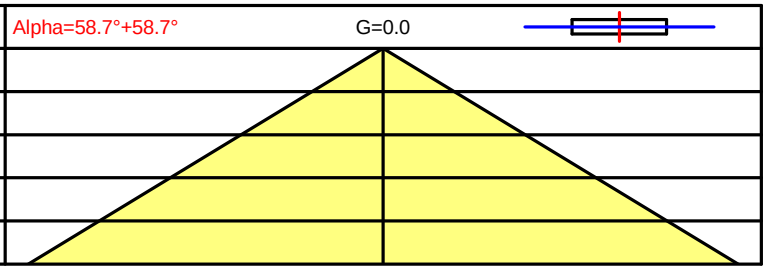
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.64	3.29	4.93	6.58	8.22	OC	1.41	2.82	4.23	5.63	7.04
OB	1.64	3.29	4.93	6.58	8.22	OD	1.41	2.82	4.23	5.63	7.04

Luminous Intensities [cd/klm]

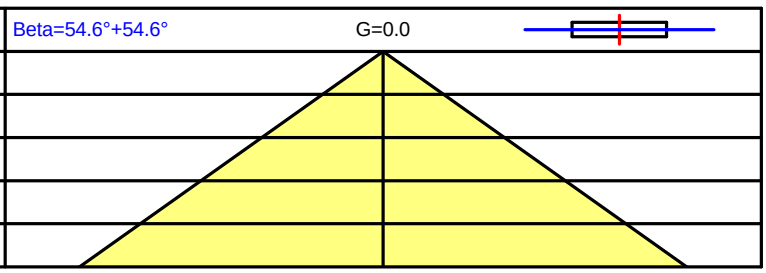
	0	5	15	25	35	45	55	65	75	85
OA	791.84	789.60	771.16	731.74	664.03	567.32	447.12	303.75	162.95	41.49
OB	791.84	789.60	771.16	731.74	664.03	567.32	447.12	303.75	162.95	41.49
OC	791.84	788.17	757.55	697.82	615.07	509.70	391.25	268.73	146.59	37.85
OD	791.84	788.17	757.55	697.82	615.07	509.70	391.25	268.73	146.59	37.85



H[m]	D[m]	Max lux	Med lux
1.00	3.29	792	190
2.00	6.58	198	47
3.00	9.87	88	21
4.00	13.16	49	12
5.00	16.44	32	8



H[m]	D[m]	Max lux	Med lux
1.00	2.82	792	190
2.00	5.63	198	47
3.00	8.45	88	21
4.00	11.27	49	12
5.00	14.08	32	8



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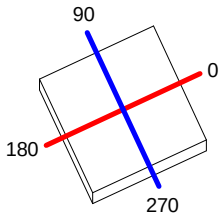
UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	18.9	20.2	19.2	20.5	20.7	18.3	19.6	18.6	19.8	20.1
x=2H y=3H	20.6	21.8	20.9	22.0	22.3	19.9	21.1	20.2	21.3	21.6
x=2H y=4H	21.2	22.3	21.5	22.6	22.9	20.5	21.6	20.8	21.9	22.2
x=2H y=6H	21.7	22.8	22.1	23.1	23.4	21.0	22.1	21.4	22.4	22.7
x=2H y=8H	21.9	22.9	22.2	23.2	23.5	21.2	22.2	21.5	22.5	22.8
x=2H y=12H	22.0	22.9	22.3	23.3	23.6	21.3	22.2	21.6	22.6	22.9
x=4H y=2H	19.6	20.7	19.9	21.0	21.3	19.1	20.2	19.4	20.5	20.8
x=4H y=3H	21.4	22.4	21.8	22.7	23.1	20.9	21.8	21.2	22.2	22.5
x=4H y=4H	22.2	23.1	22.6	23.4	23.8	21.6	22.5	22.0	22.8	23.2
x=4H y=6H	22.8	23.6	23.2	24.0	24.4	22.2	23.0	22.7	23.4	23.8
x=4H y=8H	23.0	23.7	23.5	24.1	24.6	22.5	23.1	22.9	23.5	24.0
x=4H y=12H	23.2	23.8	23.6	24.2	24.7	22.6	23.2	23.1	23.6	24.1
x=8H y=4H	22.5	23.2	22.9	23.6	24.0	22.0	22.7	22.4	23.1	23.5
x=8H y=6H	23.3	23.8	23.7	24.3	24.7	22.8	23.3	23.2	23.8	24.2
x=8H y=8H	23.6	24.1	24.1	24.5	25.0	23.1	23.5	23.5	24.0	24.5
x=8H y=12H	23.8	24.2	24.3	24.7	25.2	23.3	23.7	23.8	24.2	24.7
x=12H y=4H	22.5	23.2	23.0	23.6	24.0	22.1	22.7	22.5	23.1	23.5
x=12H y=6H	23.3	23.8	23.8	24.3	24.8	22.8	23.3	23.3	23.8	24.3
x=12H y=8H	23.7	24.1	24.2	24.6	25.1	23.2	23.6	23.7	24.1	24.6

Luminaire
Code TC-0414-BLA
Name PLAFÓN FORLIGHT LEDS
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Code TC-0413-BLA
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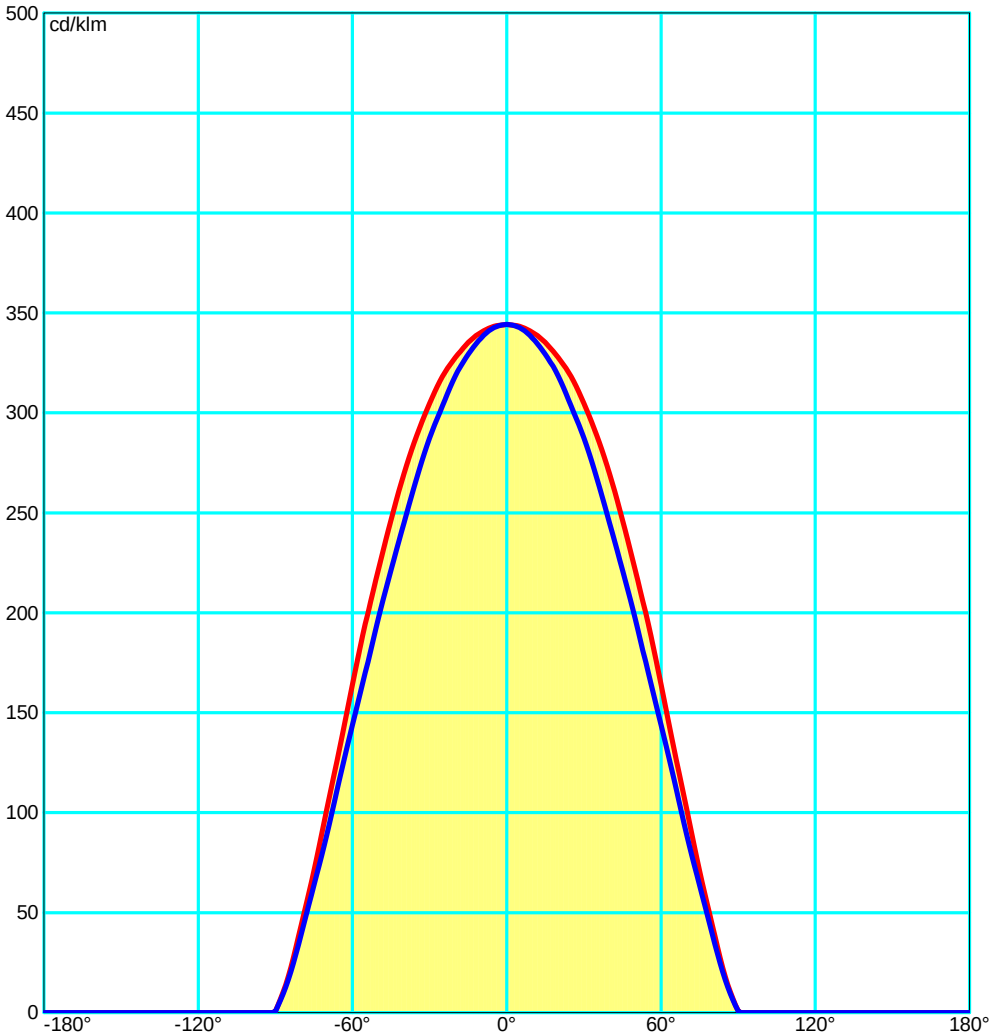
Luminaire Flux	2300.41 lm	Luminaire Power	30.68 W	Efficacy	74.98 lm/W	Efficiency	100.00%
Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

400mm x 400mm



C Halfplanes

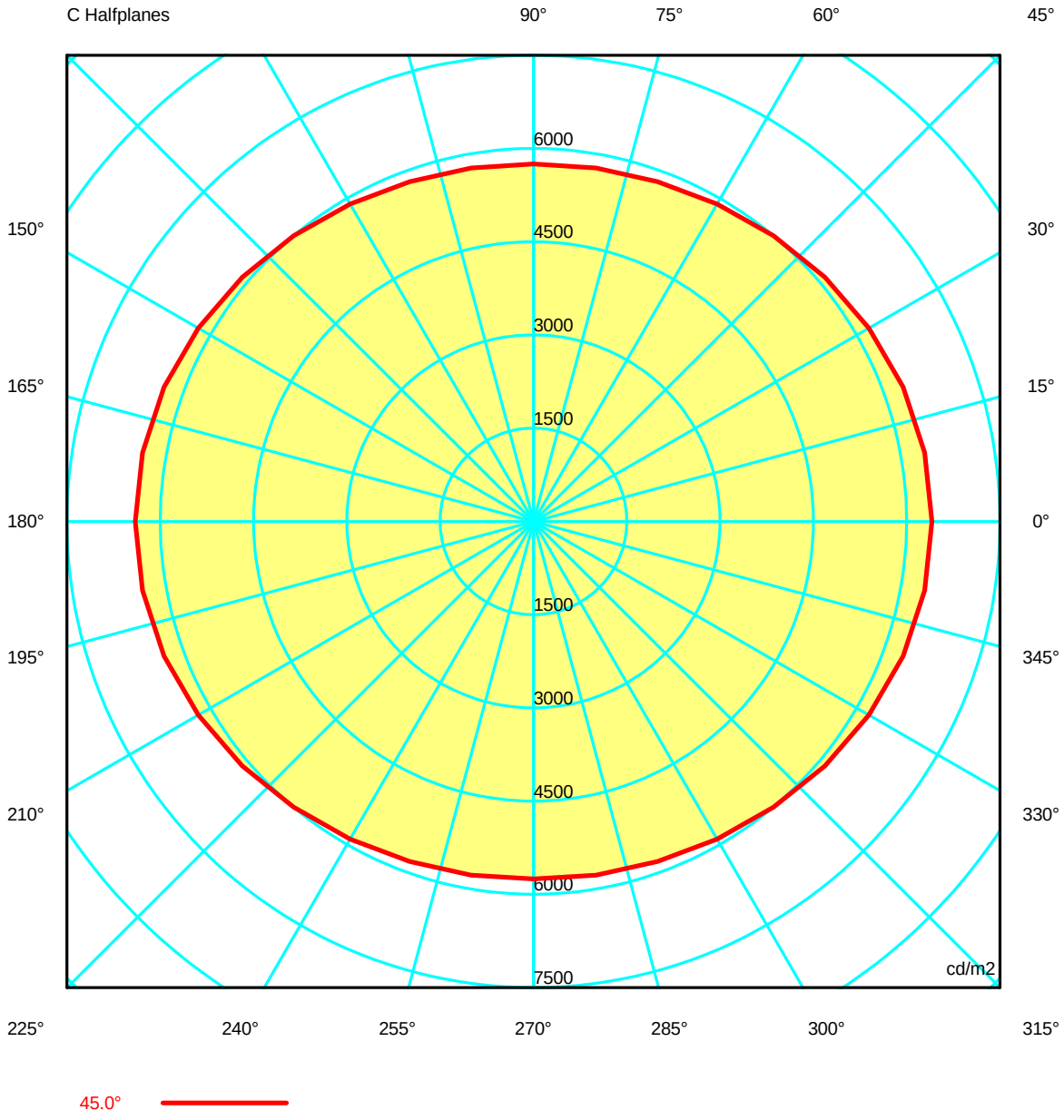
180.0 0.0
270.0 90.0



Luminaire
Code TC-0414-BLA
Name PLAFÓN FORLIGHT LEDS
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Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



Luminaire
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Measurem.
Code TC-0413-BLA
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Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical

Luminance cd/m2 **Table 1/3**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75
G 5.0	6324.90	6323.50	6322.84	6321.61	6317.96	6315.84	6315.42	6313.19	6312.16	6313.51	6312.16	6313.19	6315.42
G 10.0	6342.94	6341.49	6337.39	6331.25	6325.07	6313.93	6301.38	6297.10	6294.53	6289.51	6294.53	6297.10	6301.38
G 15.0	6370.79	6366.14	6357.08	6342.10	6323.07	6303.82	6286.16	6270.51	6261.35	6258.38	6261.35	6270.51	6286.16
G 20.0	6399.20	6390.14	6376.66	6352.91	6316.86	6286.51	6262.91	6233.35	6221.25	6219.38	6221.25	6233.35	6262.91
G 25.0	6442.82	6433.51	6406.36	6362.91	6318.16	6265.30	6213.00	6182.82	6163.29	6144.18	6163.29	6182.82	6213.00
G 30.0	6458.37	6445.81	6412.26	6355.28	6289.69	6225.89	6167.17	6115.60	6096.21	6091.40	6096.21	6115.60	6167.17
G 35.0	6468.66	6443.90	6401.72	6330.45	6234.69	6158.69	6103.61	6036.19	6003.58	5991.77	6003.58	6036.19	6103.61
G 40.0	6458.30	6441.46	6386.90	6300.11	6214.66	6107.91	5996.87	5934.06	5898.47	5867.63	5898.47	5934.06	5996.87
G 45.0	6402.33	6383.47	6324.18	6223.70	6114.12	6002.13	5898.23	5820.57	5775.10	5752.06	5775.10	5820.57	5898.23
G 50.0	6323.72	6273.71	6216.55	6127.23	5986.79	5867.41	5782.43	5687.45	5642.84	5626.76	5642.84	5687.45	5782.43
G 55.0	6220.53	6196.66	6115.96	5993.07	5886.22	5749.33	5601.71	5525.15	5483.64	5443.20	5483.64	5525.15	5601.71
G 60.0	6016.92	5971.95	5896.40	5784.84	5656.62	5530.48	5421.97	5342.49	5297.29	5276.23	5297.29	5342.49	5421.97
G 65.0	5735.38	5705.77	5650.01	5544.09	5391.06	5288.24	5227.49	5118.95	5074.58	5074.22	5074.58	5118.95	5227.49
G 70.0	5455.84	5444.88	5376.68	5233.05	5168.60	5045.06	4885.38	4873.34	4848.69	4765.19	4848.69	4873.34	4885.38
G 75.0	5023.89	4988.18	4927.72	4838.76	4739.78	4654.27	4581.50	4510.56	4488.44	4519.64	4488.44	4510.56	4581.50
G 80.0	4606.02	4451.95	4438.16	4443.11	4231.74	4132.40	4188.84	4123.14	4075.94	4125.04	4075.94	4123.14	4188.84
G 85.0	3799.14	3898.68	3874.31	3795.76	3825.18	3742.94	3568.80	3567.34	3551.40	3465.57	3551.40	3567.34	3568.80
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
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Code TC-0413-BLA
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Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 **Table 2/3**

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75
G 5.0	6315.84	6317.96	6321.61	6322.84	6323.50	6324.90	6323.50	6322.84	6321.61	6317.96	6315.84	6315.42	6313.19
G 10.0	6313.93	6325.07	6331.25	6337.39	6341.49	6342.94	6341.49	6337.39	6331.25	6325.07	6313.93	6301.38	6297.10
G 15.0	6303.82	6323.07	6342.10	6357.08	6366.14	6370.79	6366.14	6357.08	6342.10	6323.07	6303.82	6286.16	6270.51
G 20.0	6286.51	6316.86	6352.91	6376.66	6390.14	6399.20	6390.14	6376.66	6352.91	6316.86	6286.51	6262.91	6233.35
G 25.0	6265.30	6318.16	6362.91	6406.36	6433.51	6442.82	6433.51	6406.36	6362.91	6318.16	6265.30	6213.00	6182.82
G 30.0	6225.89	6289.69	6355.28	6412.26	6445.81	6458.37	6445.81	6412.26	6355.28	6289.69	6225.89	6167.17	6115.60
G 35.0	6158.69	6234.69	6330.45	6401.72	6443.90	6468.66	6443.90	6401.72	6330.45	6234.69	6158.69	6103.61	6036.19
G 40.0	6107.91	6214.66	6300.11	6386.90	6441.46	6458.30	6441.46	6386.90	6300.11	6214.66	6107.91	5996.87	5934.06
G 45.0	6002.13	6114.12	6223.70	6324.18	6383.47	6402.33	6383.47	6324.18	6223.70	6114.12	6002.13	5898.23	5820.57
G 50.0	5867.41	5986.79	6127.23	6216.55	6273.71	6323.72	6273.71	6216.55	6127.23	5986.79	5867.41	5782.43	5687.45
G 55.0	5749.33	5886.22	5993.07	6115.96	6196.66	6220.53	6196.66	6115.96	5993.07	5886.22	5749.33	5601.71	5525.15
G 60.0	5530.48	5656.62	5784.84	5896.40	5971.95	6016.92	5971.95	5896.40	5784.84	5656.62	5530.48	5421.97	5342.49
G 65.0	5288.24	5391.06	5544.09	5650.01	5705.77	5735.38	5705.77	5650.01	5544.09	5391.06	5288.24	5227.49	5118.95
G 70.0	5045.06	5168.60	5233.05	5376.68	5444.88	5455.84	5444.88	5376.68	5233.05	5168.60	5045.06	4885.38	4873.34
G 75.0	4654.27	4739.78	4838.76	4927.72	4988.18	5023.89	4988.18	4927.72	4838.76	4739.78	4654.27	4581.50	4510.56
G 80.0	4132.40	4231.74	4443.11	4438.16	4451.95	4606.02	4451.95	4438.16	4443.11	4231.74	4132.40	4188.84	4123.14
G 85.0	3742.94	3825.18	3795.76	3874.31	3898.68	3799.14	3898.68	3874.31	3795.76	3825.18	3742.94	3568.80	3567.34
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code TC-0414-BLA
Name PLAFÓN FORLIGHT LEDS
Measurem.
Code TC-0413-BLA
Name PLAFÓN FORLIGHT LEDS

Luminaire Flux	2300.41 lm	Luminaire Power	30.68 W	Efficacy	74.98 lm/W	Efficiency 100.00%
Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical

Luminance cd/m2 **Table 3/3**

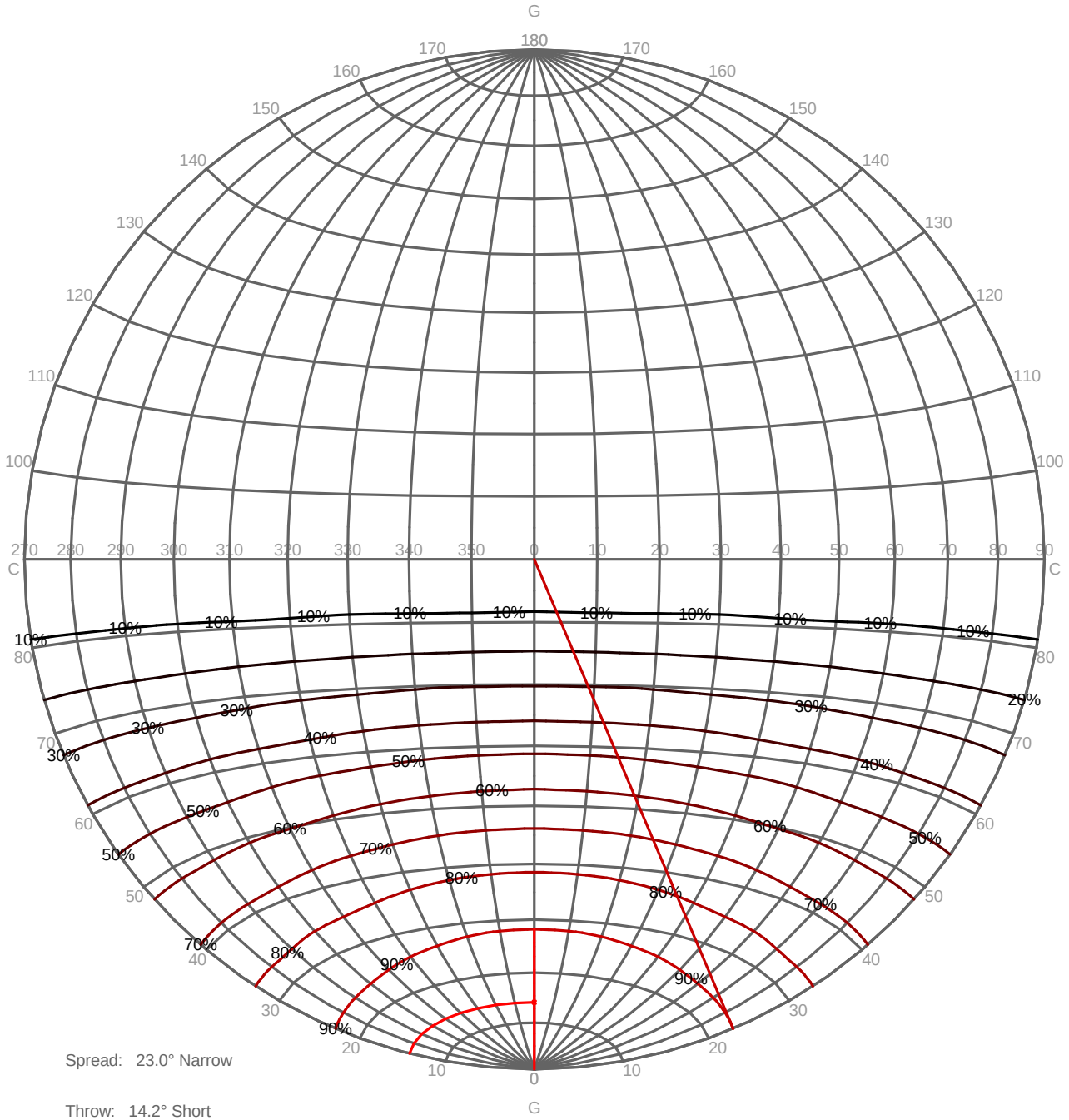
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75	6318.75
G 5.0	6312.16	6313.51	6312.16	6313.19	6315.42	6315.84	6317.96	6321.61	6322.84	6323.50
G 10.0	6294.53	6289.51	6294.53	6297.10	6301.38	6313.93	6325.07	6331.25	6337.39	6341.49
G 15.0	6261.35	6258.38	6261.35	6270.51	6286.16	6303.82	6323.07	6342.10	6357.08	6366.14
G 20.0	6221.25	6219.38	6221.25	6233.35	6262.91	6286.51	6316.86	6352.91	6376.66	6390.14
G 25.0	6163.29	6144.18	6163.29	6182.82	6213.00	6265.30	6318.16	6362.91	6406.36	6433.51
G 30.0	6096.21	6091.40	6096.21	6115.60	6167.17	6225.89	6289.69	6355.28	6412.26	6445.81
G 35.0	6003.58	5991.77	6003.58	6036.19	6103.61	6158.69	6234.69	6330.45	6401.72	6443.90
G 40.0	5898.47	5867.63	5898.47	5934.06	5996.87	6107.91	6214.66	6300.11	6386.90	6441.46
G 45.0	5775.10	5752.06	5775.10	5820.57	5898.23	6002.13	6114.12	6223.70	6324.18	6383.47
G 50.0	5642.84	5626.76	5642.84	5687.45	5782.43	5867.41	5986.79	6127.23	6216.55	6273.71
G 55.0	5483.64	5443.20	5483.64	5525.15	5601.71	5749.33	5886.22	5993.07	6115.96	6196.66
G 60.0	5297.29	5276.23	5297.29	5342.49	5421.97	5530.48	5656.62	5784.84	5896.40	5971.95
G 65.0	5074.58	5074.22	5074.58	5118.95	5227.49	5288.24	5391.06	5544.09	5650.01	5705.77
G 70.0	4848.69	4765.19	4848.69	4873.34	4885.38	5045.06	5168.60	5233.05	5376.68	5444.88
G 75.0	4488.44	4519.64	4488.44	4510.56	4581.50	4654.27	4739.78	4838.76	4927.72	4988.18
G 80.0	4075.94	4125.04	4075.94	4123.14	4188.84	4132.40	4231.74	4443.11	4438.16	4451.95
G 85.0	3551.40	3465.57	3551.40	3567.34	3568.80	3742.94	3825.18	3795.76	3874.31	3898.68
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code TC-0414-BLA
Name PLAFÓN FORLIGHT LEDS
Measurem.
Code TC-0413-BLA
Name PLAFÓN FORLIGHT LEDS

Luminaire Flux	2300.41 lm	Luminaire Power	30.68 W	Efficacy	74.98 lm/W	Efficiency	100.00%
Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

PERCENTAGE ISOCANDLES

Projection: SLI 6.4 Tight Tilting Angle:0°



Spread: 23.0° Narrow

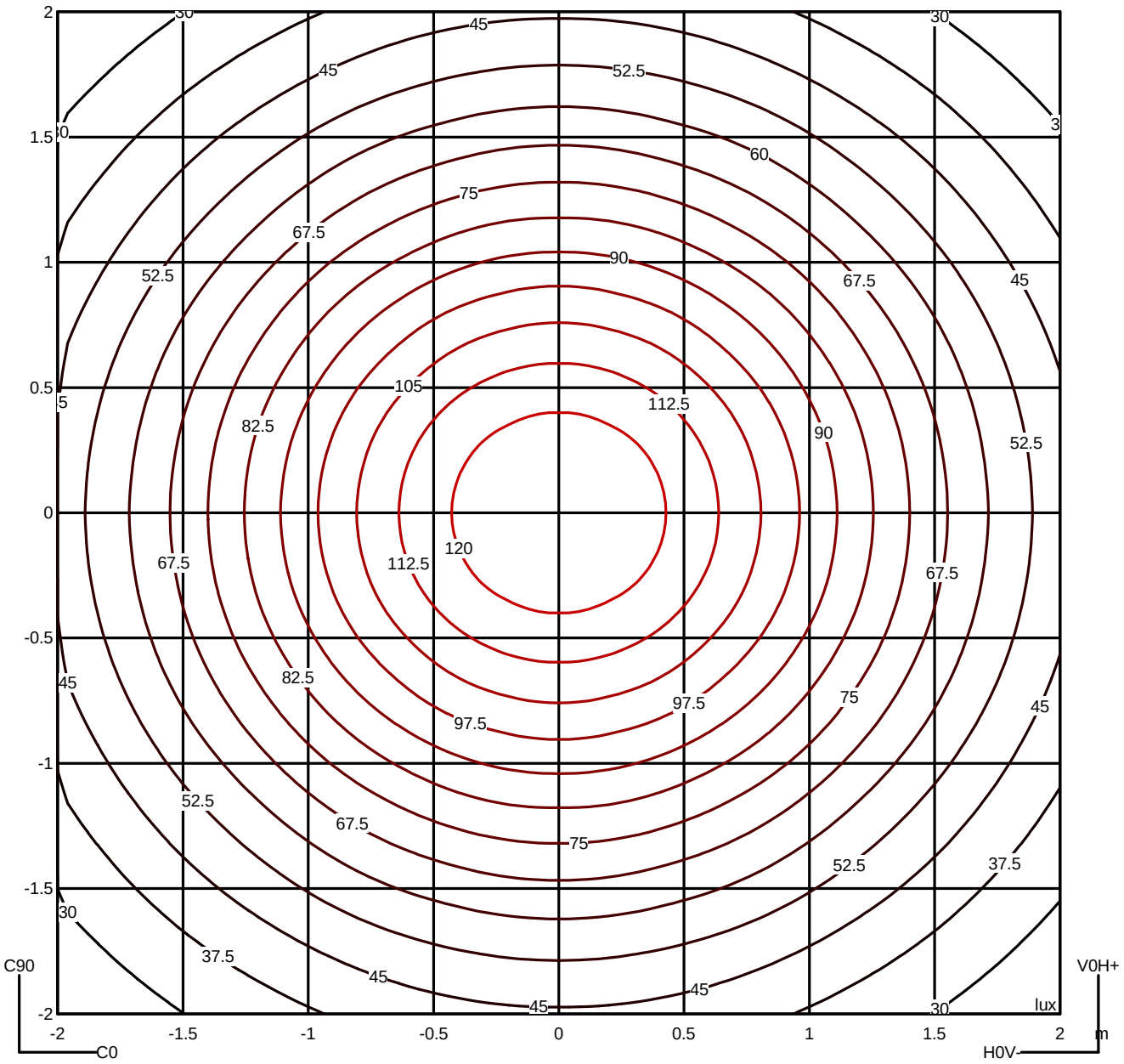
Throw: 14.2° Short

Luminaire
Code TC-0414-BLA
Name PLAFÓN FORLIGHT LEDS
Measurem.
Code TC-0413-BLA
Name PLAFÓN FORLIGHT LEDS

Luminaire Flux	2300.41 lm	Luminaire Power	30.68 W	Efficacy	74.98 lm/W	Efficiency	100.00%
Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire
Code TC-0414-BLA
Name PLAFÓN FORLIGHT LEDS
Measurem.
Code TC-0413-BLA
Name PLAFÓN FORLIGHT LEDS

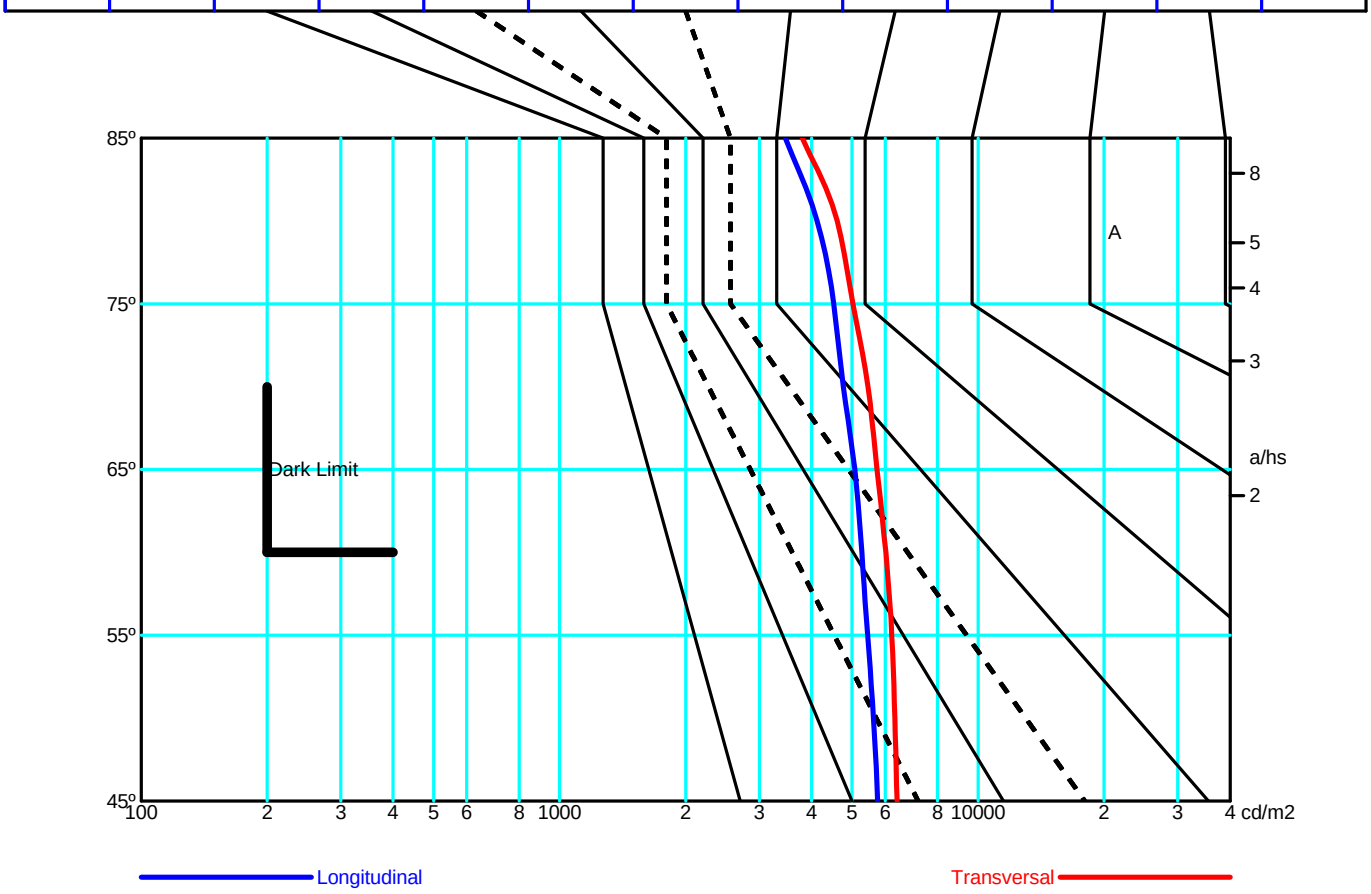
Luminaire Flux	2300.41 lm	Luminaire Power	30.68 W	Efficacy	74.98 lm/W	Efficiency	100.00%
Lamps Flux	2300.41 lm	Maximum value	344.22 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

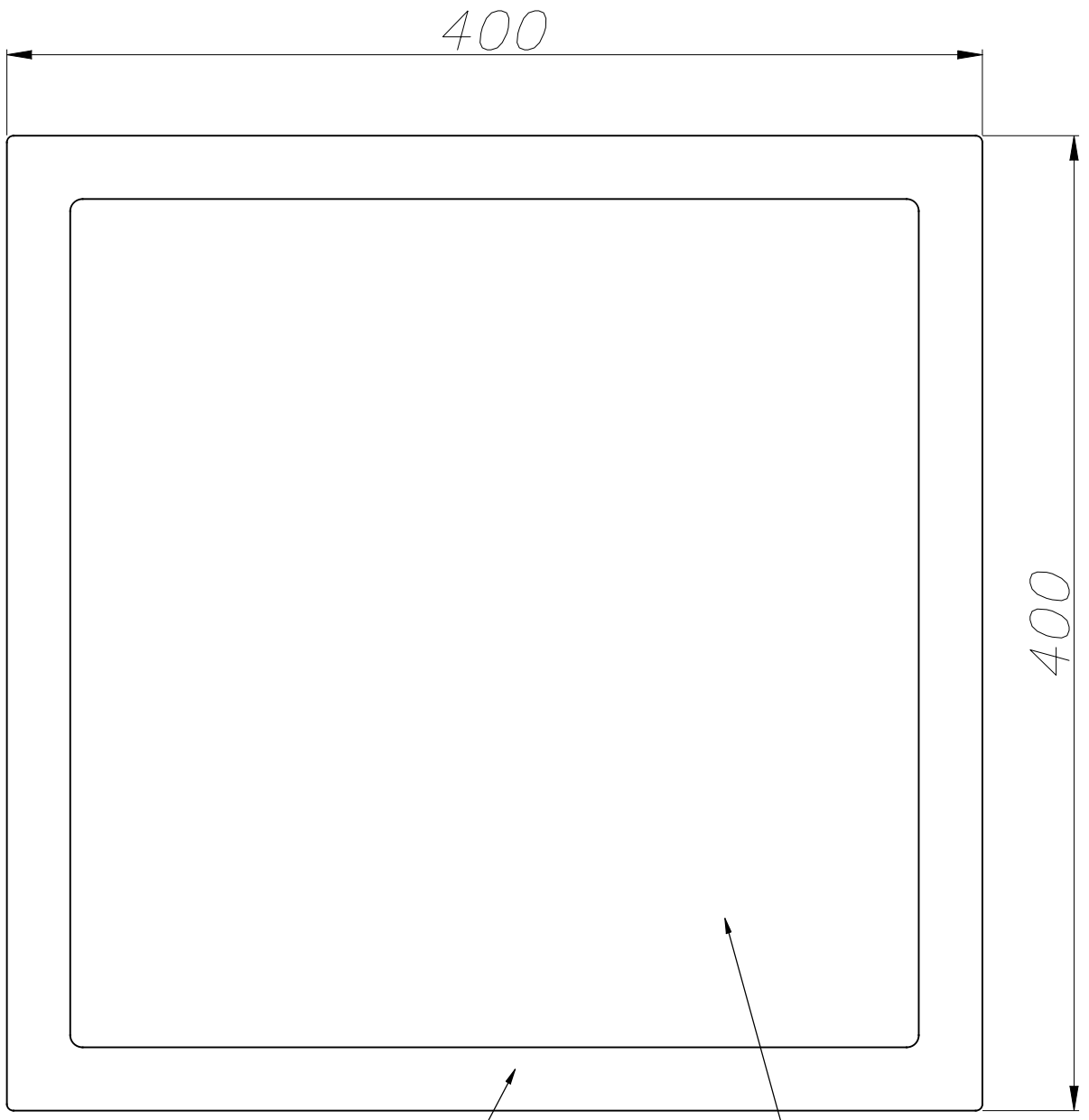
Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	6402	6324	6221	6017	5735	5456	5024	4606	3799	---
90.0°	5752	5627	5443	5276	5074	4765	4520	4125	3466	---

Flush mounted or longitudinal view

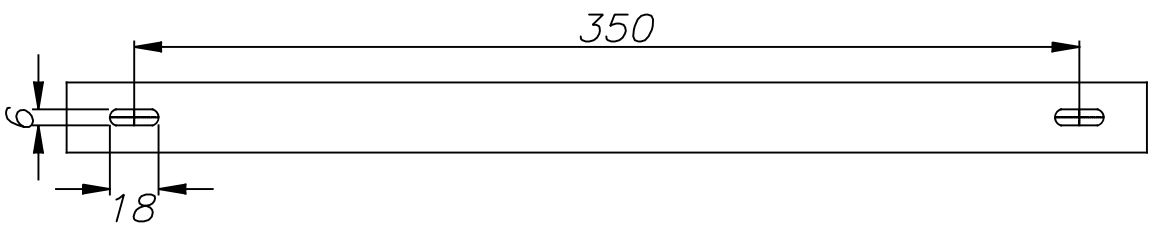
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



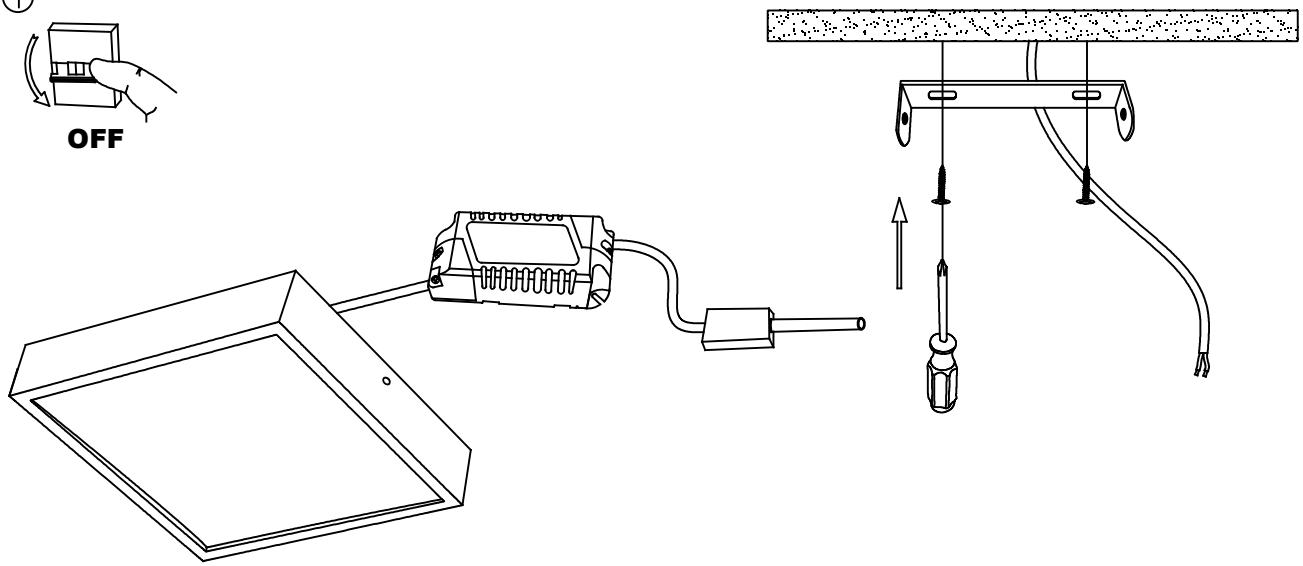




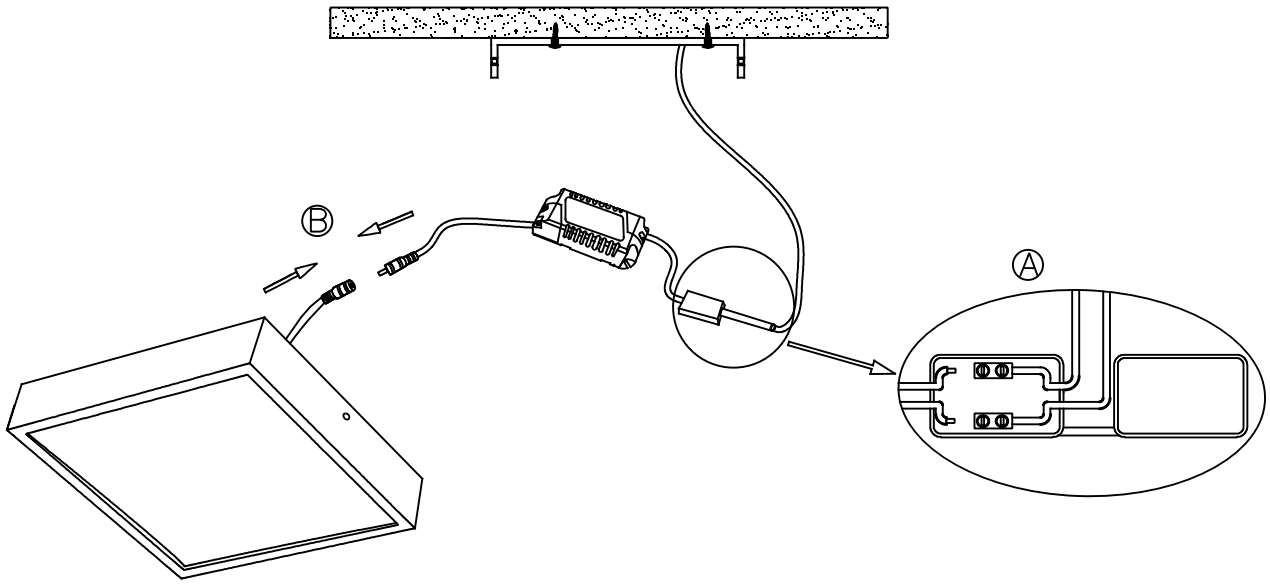
PLANTILLA DE INSTALACIÓN
INSTALLATION TEMPLATE



①



②



③

