

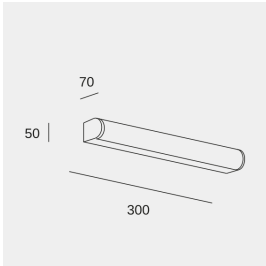


Lungo 300mm

DE-0428-CRO

Wall fixture Lungo 300mm LED 9.3W 3000K ON-OFF Chrome 910.00

TECHNICAL FEATURES



IP44 IK10



Luminaire total power : 9.3W

Real lumens : 716

Nominal lumens : 910

Real lm/W : 77

Structure material : Steel

Structure finish : Chrome

Diffuser material : Polycarbonate

Diffuser finish : Opal

Voltage / frequency : 100-240V ~ 50/60Hz

Dimming protocol : ON-OFF

Power Factor : 0.40

Useful life : 36.000h L70B30

Warranty : 5 Years

Easily recyclable luminaire

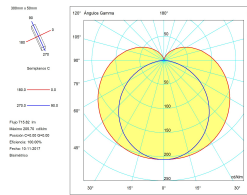
LUMINOTECHNIC FEATURES

CRI: 80

MacAdam steps: 5

Photobiological risk: RG0

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
LED	1	7.7W	3000K



LOGISTICS

Net weight (kg): 0.6

Packaged weight (kg): 0.72

Packaging: 345mm x 85mm x 105mm

18 Un

Luminaire

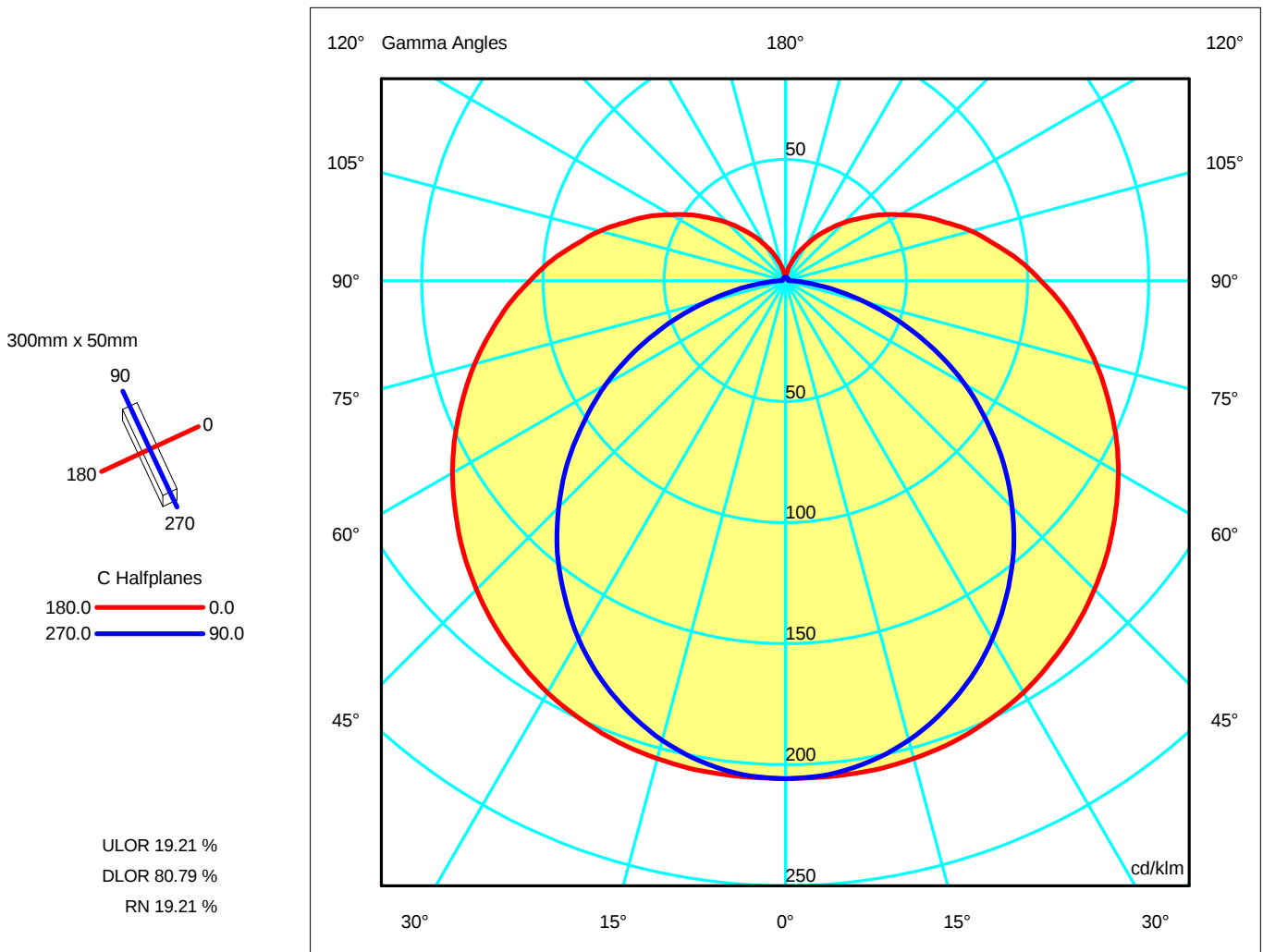
Code DE-0428-CRO
Name APLIQUE LEDS 30 cm

Measurem.

Code CL116A17F353G
Name APLIQUE LEDS 30 cm

Luminaire Flux	715.82 lm	Luminaire Power	9.28 W	Efficacy	77.14 lm/W	Efficiency	100.00%
Lamps Flux	715.82 lm	Maximum value	205.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	300 mm	Width	50 mm	Height	70 mm
Rectangular Luminous Area		Length	265 mm	Width	50 mm	Height	35 mm
Horizontal Luminous Area		0.013250 m2		Emitting area on Plane 180°		0.009275 m2	
Emitting area on Plane 0°		0.009275 m2		Emitting area on Plane 270°		0.001750 m2	
Emitting area on Plane 90°		0.001750 m2		Glare area at 76°		0.012205 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		10-11-2017		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		715.82 lm	
Operator		Asselum T2		Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		DE-0428-CRO		Name DE-0428-CRO		715.82	9.28	1
C.I.E.	36 64 85 81 100			D DIN 5040		B21		
F UTE	0.81 H + 0.19 T			B NBN		BZ 6		



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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	205.70	205.70	205.70	205.70	205.70	205.70	205.70
G 5.0	205.67	205.66	205.40	205.22	204.85	204.73	204.78
G 10.0	205.48	205.18	204.53	203.59	202.59	201.86	201.59
G 15.0	204.39	203.98	202.61	200.77	198.64	197.20	196.54
G 20.0	202.69	201.83	199.72	196.61	193.33	190.66	189.55
G 25.0	199.89	198.85	195.69	191.33	186.41	182.58	181.00
G 30.0	196.44	194.71	190.74	184.84	178.30	172.86	170.78
G 35.0	191.71	190.05	184.68	177.24	168.73	162.10	158.98
G 40.0	186.49	184.08	177.92	168.75	158.73	149.44	146.44
G 45.0	180.34	177.80	170.28	159.65	147.34	136.99	132.34
G 50.0	173.72	170.17	162.25	149.86	135.74	122.32	117.48
G 55.0	166.34	163.04	153.57	139.53	123.17	108.61	101.44
G 60.0	158.65	154.44	144.63	129.05	110.90	92.85	85.45
G 65.0	150.35	146.48	135.35	118.62	98.17	78.46	68.13
G 70.0	141.56	136.88	125.93	108.09	86.13	62.88	50.87
G 75.0	132.81	128.57	116.47	97.85	74.08	49.53	34.04
G 80.0	123.62	118.97	107.31	88.01	63.71	36.20	18.91
G 85.0	114.76	110.49	98.11	78.77	53.92	26.28	6.82
G 90.0	105.45	100.79	89.18	70.04	45.83	18.54	1.64
G 95.0	96.74	92.62	80.66	62.12	38.43	13.96	1.23
G100.0	87.47	83.28	72.51	54.75	32.67	10.83	1.22
G105.0	79.32	75.47	64.69	48.10	27.68	8.96	1.22
G110.0	70.36	66.72	57.35	41.92	23.75	7.62	1.20
G115.0	62.73	59.44	50.30	36.41	20.29	6.72	1.21
G120.0	54.45	51.42	43.71	31.41	17.48	5.91	1.23
G125.0	47.31	44.78	37.64	26.89	14.95	5.26	1.23
G130.0	39.98	37.62	31.87	22.81	12.78	4.64	1.23
G135.0	33.86	32.00	26.77	19.10	10.80	4.05	1.25
G140.0	27.46	25.91	22.05	15.78	9.08	3.47	1.26
G145.0	22.32	21.12	17.75	12.81	7.45	2.94	1.26
G150.0	17.10	16.08	13.83	10.13	6.00	2.38	1.29
G155.0	12.99	12.35	10.51	7.71	4.63	1.89	1.29
G160.0	9.02	8.55	7.52	5.59	3.39	1.49	1.34
G165.0	6.01	5.74	4.91	3.65	2.27	1.35	1.35
G170.0	3.02	2.83	2.61	1.99	1.49	1.37	1.35
G175.0	1.05	1.22	1.18	1.23	1.32	1.35	1.36
G180.0	1.24	1.24	1.24	1.24	1.24	1.24	1.24

Luminaire

Code DE-0428-CRO
Name APLIQUE LEDS 30 cm

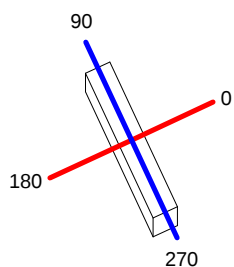
Measur.

Code CL116A17F353G
Name APLIQUE LEDS 30 cm

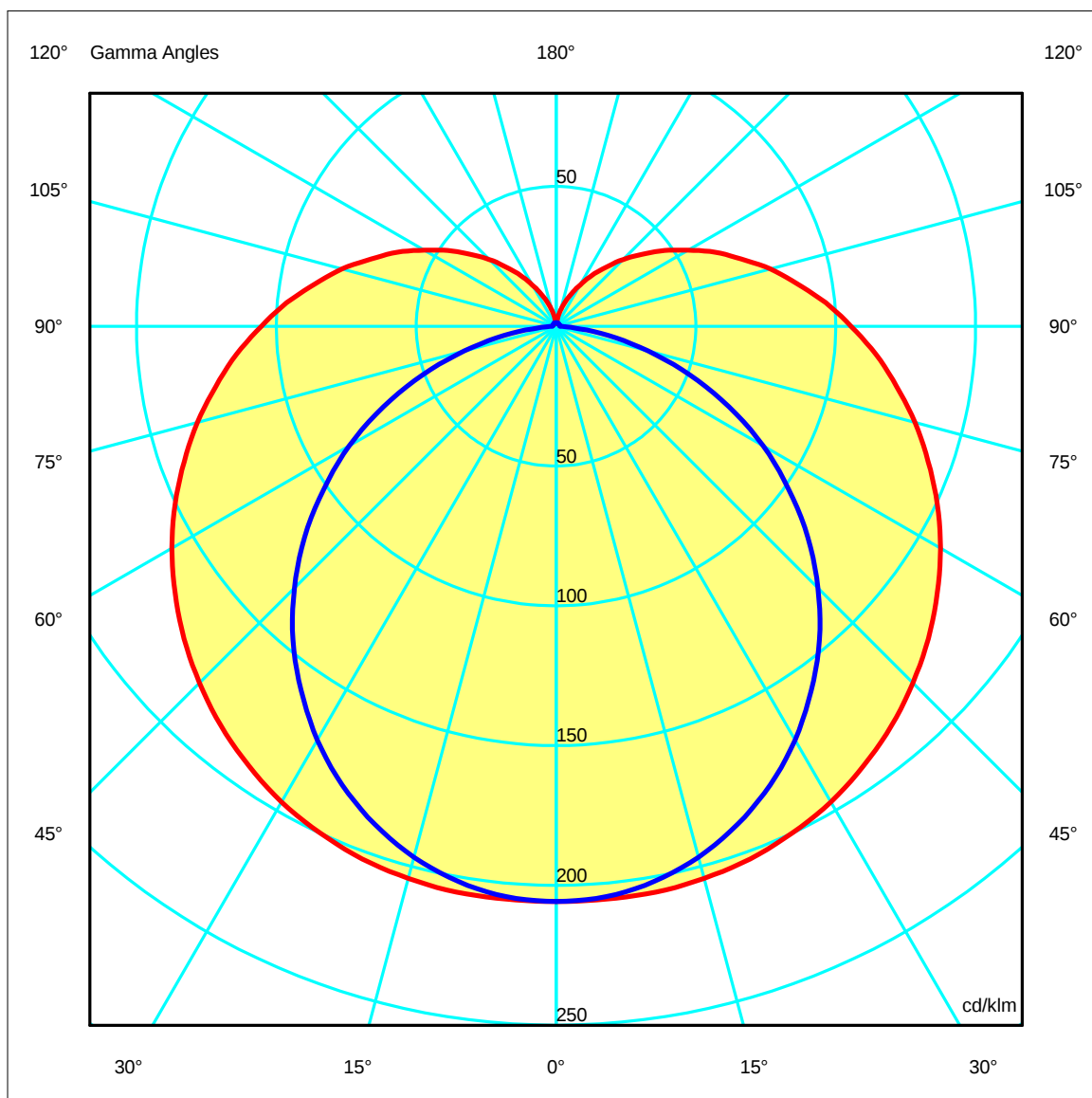
Luminaire Flux	715.82 lm	Luminaire Power	9.28 W	Efficacy	77.14 lm/W	Efficiency	100.00%
Lamps Flux	715.82 lm	Maximum value	205.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

300mm x 50mm

C Halfplanes



180.0 ————— 0.0
270.0 ————— 90.0



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Right beam angle not found, gamma = 0

Right beam angle not found, gamma = 0

Right beam angle not found, gamma = 0

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Lamps Flux	715.82 lm	Maximum value	205.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	18.8	20.0	19.3	20.5	21.2	17.2	18.5	17.8	19.0	19.6
x=2H y=3H	21.1	22.2	21.7	22.8	23.5	18.6	19.7	19.2	20.3	21.0
x=2H y=4H	22.3	23.3	22.9	23.9	24.6	19.2	20.2	19.8	20.8	21.5
x=2H y=6H	23.4	24.4	24.1	25.0	25.8	19.5	20.5	20.1	21.1	21.8
x=2H y=8H	24.0	24.9	24.6	25.6	26.3	19.5	20.5	20.2	21.1	21.8
x=2H y=12H	24.6	25.5	25.2	26.1	26.8	19.6	20.5	20.2	21.1	21.8
x=4H y=2H	19.4	20.5	20.0	21.1	21.7	18.3	19.3	18.9	19.9	20.6
x=4H y=3H	22.0	22.9	22.6	23.5	24.2	19.9	20.9	20.6	21.5	22.2
x=4H y=4H	23.3	24.1	24.0	24.8	25.5	20.6	21.4	21.3	22.1	22.9
x=4H y=6H	24.7	25.4	25.3	26.1	26.9	21.1	21.8	21.8	22.5	23.3
x=4H y=8H	25.3	26.0	26.0	26.7	27.5	21.2	21.9	21.9	22.6	23.4
x=4H y=12H	26.0	26.6	26.7	27.3	28.1	21.3	21.9	22.0	22.6	23.4
x=8H y=4H	23.7	24.3	24.3	25.0	25.8	21.5	22.2	22.2	22.9	23.7
x=8H y=6H	25.2	25.8	26.0	26.5	27.4	22.3	22.8	23.0	23.5	24.4
x=8H y=8H	26.1	26.6	26.8	27.3	28.2	22.5	23.0	23.3	23.8	24.6
x=8H y=12H	26.9	27.4	27.7	28.1	29.0	22.7	23.2	23.5	23.9	24.8
x=12H y=4H	23.7	24.3	24.4	25.0	25.8	21.7	22.3	22.4	23.0	23.8
x=12H y=6H	25.3	25.8	26.1	26.6	27.4	22.6	23.1	23.4	23.9	24.7
x=12H y=8H	26.2	26.7	27.0	27.5	28.3	23.0	23.5	23.8	24.2	25.1

Luminaire

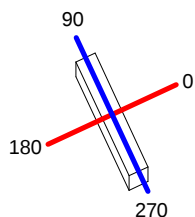
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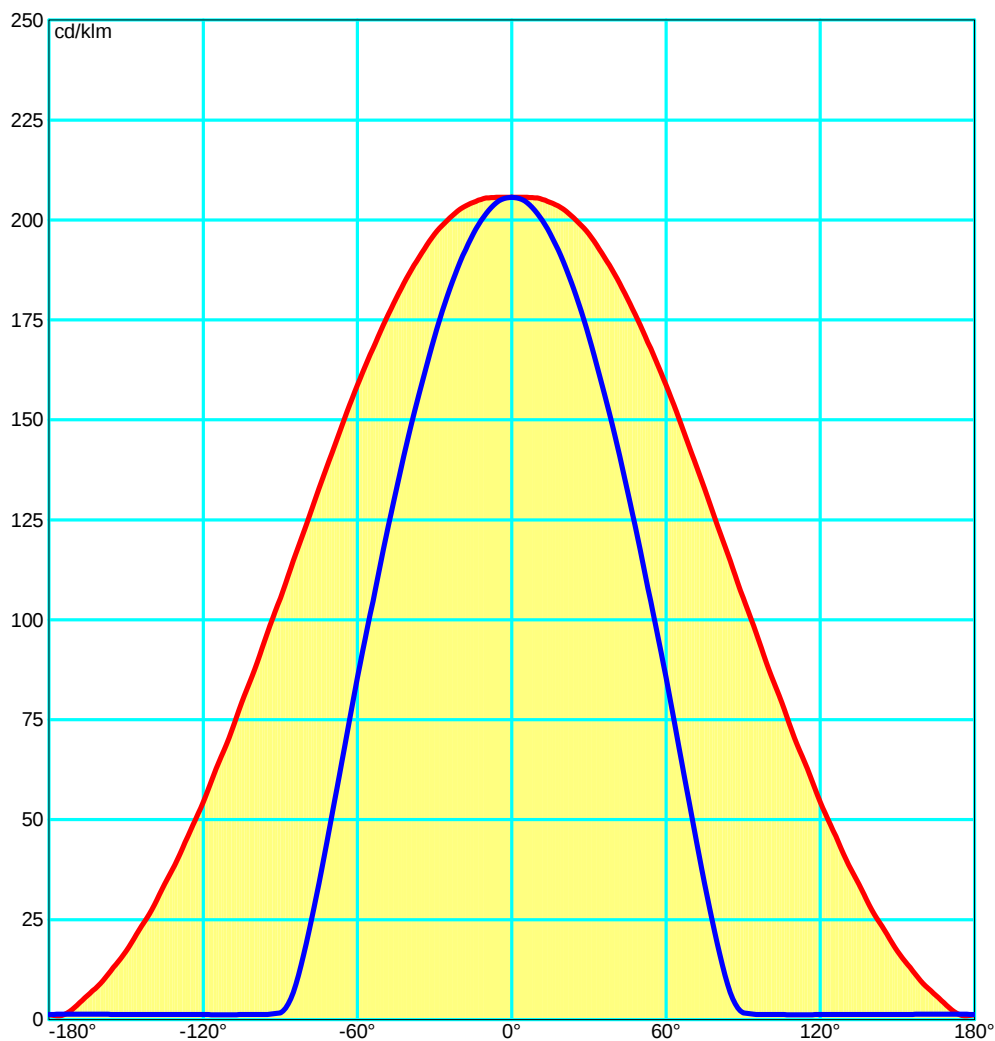
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300mm x 50mm



C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



Luminaire

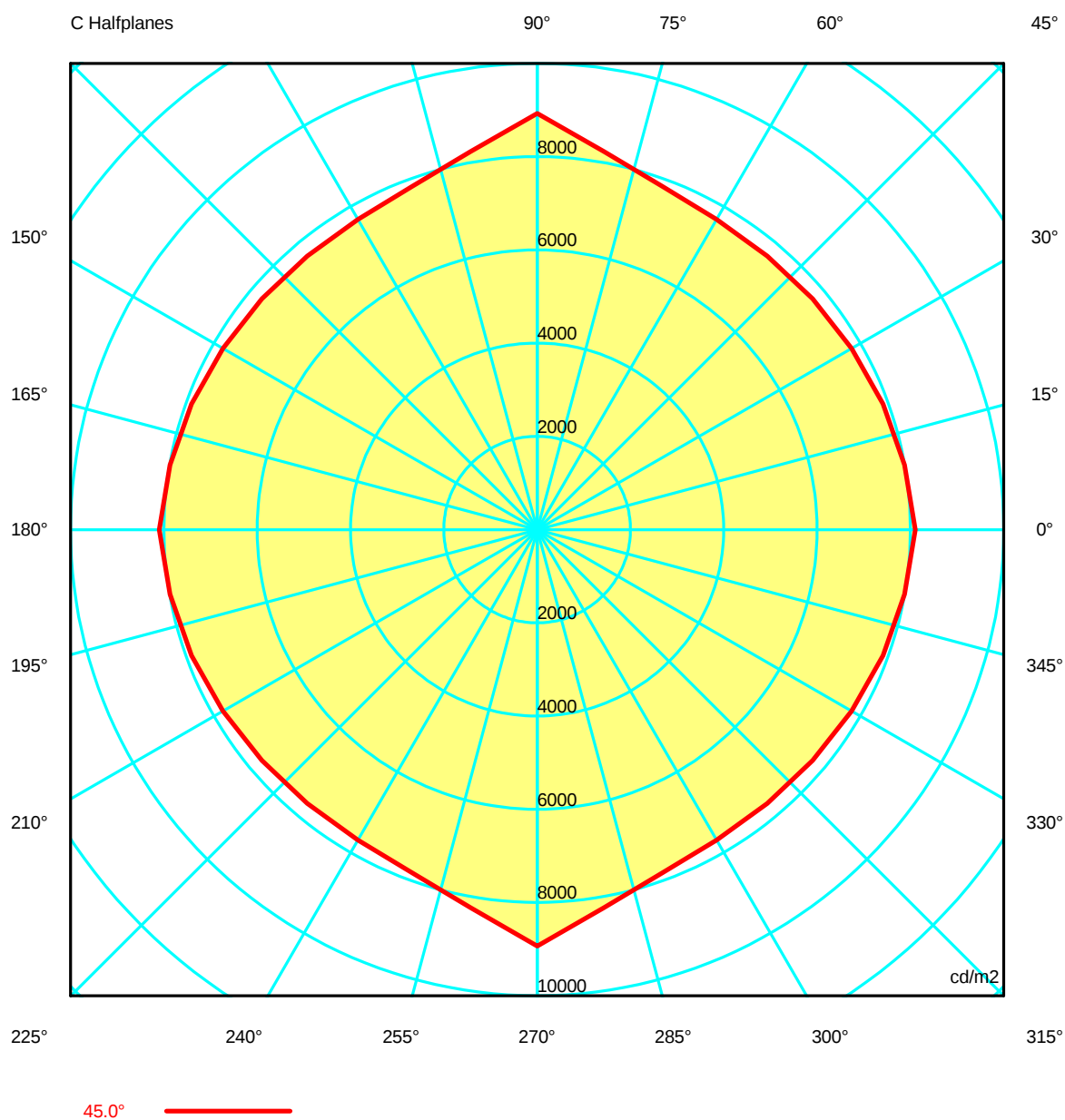
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Lamps Flux	715.82 lm	Maximum value	205.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



Luminaire

Code DE-0428-CRO
Name APLIQUE LEDS 30 cm

Measurment

Code CL116A17F353G
Name APLIQUE LEDS 30 cm

Luminaire Flux		715.82 lm		Luminaire Power		9.28 W		Efficacy		77.14 lm/W		Efficiency		100.00%	
Lamps Flux		715.82 lm		Maximum value		205.70 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	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	
G 5.0	10509.91	10498.92	10502.99	10520.21	10559.18	10611.10	10675.34	10760.77	10863.78	10978.32	10863.78	10760.77	10675.34	10675.34	
G 10.0	10033.62	10005.97	10005.88	10030.93	10082.58	10162.16	10272.22	10416.33	10596.43	10806.93	10596.43	10416.33	10272.22	10272.22	
G 15.0	9626.00	9590.72	9583.40	9602.13	9658.32	9749.00	9880.51	10069.61	10318.28	10616.89	10318.28	10069.61	9880.51	9880.51	
G 20.0	9287.03	9232.20	9214.13	9224.77	9270.49	9361.93	9507.84	9717.61	10014.84	10397.82	10014.84	9717.61	9507.84	9507.84	
G 25.0	8983.01	8921.46	8889.79	8880.94	8915.06	8995.44	9133.93	9358.39	9701.92	10163.16	9701.92	9358.39	9133.93	9133.93	
G 30.0	8727.37	8640.04	8593.23	8571.57	8583.47	8644.42	8771.12	8989.19	9361.22	9898.72	9361.22	8989.19	8771.12	8771.12	
G 35.0	8484.63	8401.54	8337.85	8281.64	8268.19	8299.65	8397.63	8616.89	9014.24	9597.30	9014.24	8616.89	8397.63	8397.63	
G 40.0	8285.17	8174.01	8094.80	8022.22	7973.10	7980.16	8055.27	8213.99	8608.54	9297.01	8608.54	8213.99	8055.27	8055.27	
G 45.0	8104.75	7989.87	7888.51	7779.61	7703.31	7664.96	7687.09	7836.64	8236.50	8931.18	8236.50	7836.64	7687.09	7687.09	
G 50.0	7960.10	7804.03	7688.21	7570.91	7451.60	7370.95	7344.31	7392.88	7750.93	8531.29	7750.93	7392.88	7344.31	7344.31	
G 55.0	7834.57	7687.61	7548.38	7379.46	7216.05	7073.43	6975.44	6991.02	7312.98	8038.28	7312.98	6991.02	6975.44	6975.44	
G 60.0	7748.14	7558.40	7401.90	7220.24	7008.66	6813.99	6641.22	6498.36	6723.11	7514.07	6723.11	6498.36	6641.22	6641.22	
G 65.0	7684.35	7503.53	7321.26	7086.32	6834.84	6568.86	6287.69	6049.13	6154.34	6787.20	6154.34	6049.13	6287.69	6287.69	
G 70.0	7649.04	7419.82	7224.66	6986.61	6687.68	6359.93	5978.05	5515.20	5393.27	5896.32	5393.27	5515.20	5978.05	5978.05	
G 75.0	7674.07	7452.67	7227.19	6928.31	6585.08	6174.87	5657.55	5047.47	4679.69	4759.46	4679.69	5047.47	5657.55	5657.55	
G 80.0	7738.37	7471.81	7238.28	6936.87	6539.53	6072.33	5454.93	4542.80	3763.45	3363.74	3763.45	4542.80	5454.93	5454.93	
G 85.0	7902.96	7632.34	7363.82	7002.75	6570.09	6038.94	5298.46	4202.28	3027.95	1685.38	3027.95	4202.28	5298.46	5298.46	
G 90.0	8138.22	7801.01	7519.46	7166.47	6701.41	6135.08	5331.12	4005.32	2538.30	671.35	2538.30	4005.32	5331.12	5331.12	

Luminaire

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Measurment

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Lamps Flux		715.82 lm		Maximum value		205.70 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	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	
G 5.0	10611.10	10559.18	10520.21	10502.99	10498.92	10509.91	10498.92	10502.99	10520.21	10559.18	10611.10	10675.34	10760.77		
G 10.0	10162.16	10082.58	10030.93	10005.88	10005.97	10033.62	10005.97	10005.88	10030.93	10082.58	10162.16	10272.22	10416.33		
G 15.0	9749.00	9658.32	9602.13	9583.40	9590.72	9626.00	9590.72	9583.40	9602.13	9658.32	9749.00	9880.51	10069.61		
G 20.0	9361.93	9270.49	9224.77	9214.13	9232.20	9287.03	9232.20	9214.13	9224.77	9270.49	9361.93	9507.84	9717.61		
G 25.0	8995.44	8915.06	8880.94	8889.79	8921.46	8983.01	8921.46	8889.79	8880.94	8915.06	8995.44	9133.93	9358.39		
G 30.0	8644.42	8583.47	8571.57	8593.23	8640.04	8727.37	8640.04	8593.23	8571.57	8583.47	8644.42	8771.12	8989.19		
G 35.0	8299.65	8268.19	8281.64	8337.85	8401.54	8484.63	8401.54	8337.85	8281.64	8268.19	8299.65	8397.63	8616.89		
G 40.0	7980.16	7973.10	8022.22	8094.80	8174.01	8285.17	8174.01	8094.80	8022.22	7973.10	7980.16	8055.27	8213.99		
G 45.0	7664.96	7703.31	7779.61	7888.51	7989.87	8104.75	7989.87	7888.51	7779.61	7703.31	7664.96	7687.09	7836.64		
G 50.0	7370.95	7451.60	7570.91	7688.21	7804.03	7960.10	7804.03	7688.21	7570.91	7451.60	7370.95	7344.31	7392.88		
G 55.0	7073.43	7216.05	7379.46	7548.38	7687.61	7834.57	7687.61	7548.38	7379.46	7216.05	7073.43	6975.44	6991.02		
G 60.0	6813.99	7008.66	7220.24	7401.90	7558.40	7748.14	7558.40	7401.90	7220.24	7008.66	6813.99	6641.22	6498.36		
G 65.0	6568.86	6834.84	7086.32	7321.26	7503.53	7684.35	7503.53	7321.26	7086.32	6834.84	6568.86	6287.69	6049.13		
G 70.0	6359.93	6687.68	6986.61	7224.66	7419.82	7649.04	7419.82	7224.66	6986.61	6687.68	6359.93	5978.05	5515.20		
G 75.0	6174.87	6585.08	6928.31	7227.19	7452.67	7674.07	7452.67	7227.19	6928.31	6585.08	6174.87	5657.55	5047.47		
G 80.0	6072.33	6539.53	6936.87	7238.28	7471.81	7738.37	7471.81	7238.28	6936.87	6539.53	6072.33	5454.93	4542.80		
G 85.0	6038.94	6570.09	7002.75	7363.82	7632.34	7902.96	7632.34	7363.82	7002.75	6570.09	6038.94	5298.46	4202.28		
G 90.0	6135.08	6701.41	7166.47	7519.46	7801.01	8138.22	7801.01	7519.46	7166.47	6701.41	6135.08	5331.12	4005.32		

Luminaire

Code DE-0428-CRO
Name APLIQUE LEDS 30 cm

Measur.

Code CL116A17F353G
Name APLIQUE LEDS 30 cm

Luminaire Flux	715.82 lm	Luminaire Power	9.28 W	Efficacy	77.14 lm/W	Efficiency	100.00%
Lamps Flux	715.82 lm	Maximum value	205.70 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	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56
G 5.0	10863.78	10978.32	10863.78	10760.77	10675.34	10611.10	10559.18	10520.21	10502.99	10498.92
G 10.0	10596.43	10806.93	10596.43	10416.33	10272.22	10162.16	10082.58	10030.93	10005.88	10005.97
G 15.0	10318.28	10616.89	10318.28	10069.61	9880.51	9749.00	9658.32	9602.13	9583.40	9590.72
G 20.0	10014.84	10397.82	10014.84	9717.61	9507.84	9361.93	9270.49	9224.77	9214.13	9232.20
G 25.0	9701.92	10163.16	9701.92	9358.39	9133.93	8995.44	8915.06	8880.94	8889.79	8921.46
G 30.0	9361.22	9898.72	9361.22	8989.19	8771.12	8644.42	8583.47	8571.57	8593.23	8640.04
G 35.0	9014.24	9597.30	9014.24	8616.89	8397.63	8299.65	8268.19	8281.64	8337.85	8401.54
G 40.0	8608.54	9297.01	8608.54	8213.99	8055.27	7980.16	7973.10	8022.22	8094.80	8174.01
G 45.0	8236.50	8931.18	8236.50	7836.64	7687.09	7664.96	7703.31	7779.61	7888.51	7989.87
G 50.0	7750.93	8531.29	7750.93	7392.88	7344.31	7370.95	7451.60	7570.91	7688.21	7804.03
G 55.0	7312.98	8038.28	7312.98	6991.02	6975.44	7073.43	7216.05	7379.46	7548.38	7687.61
G 60.0	6723.11	7514.07	6723.11	6498.36	6641.22	6813.99	7008.66	7220.24	7401.90	7558.40
G 65.0	6154.34	6787.20	6154.34	6049.13	6287.69	6568.86	6834.84	7086.32	7321.26	7503.53
G 70.0	5393.27	5896.32	5393.27	5515.20	5978.05	6359.93	6687.68	6986.61	7224.66	7419.82
G 75.0	4679.69	4759.46	4679.69	5047.47	5657.55	6174.87	6585.08	6928.31	7227.19	7452.67
G 80.0	3763.45	3363.74	3763.45	4542.80	5454.93	6072.33	6539.53	6936.87	7238.28	7471.81
G 85.0	3027.95	1685.38	3027.95	4202.28	5298.46	6038.94	6570.09	7002.75	7363.82	7632.34
G 90.0	2538.30	671.35	2538.30	4005.32	5331.12	6135.08	6701.41	7166.47	7519.46	7801.01

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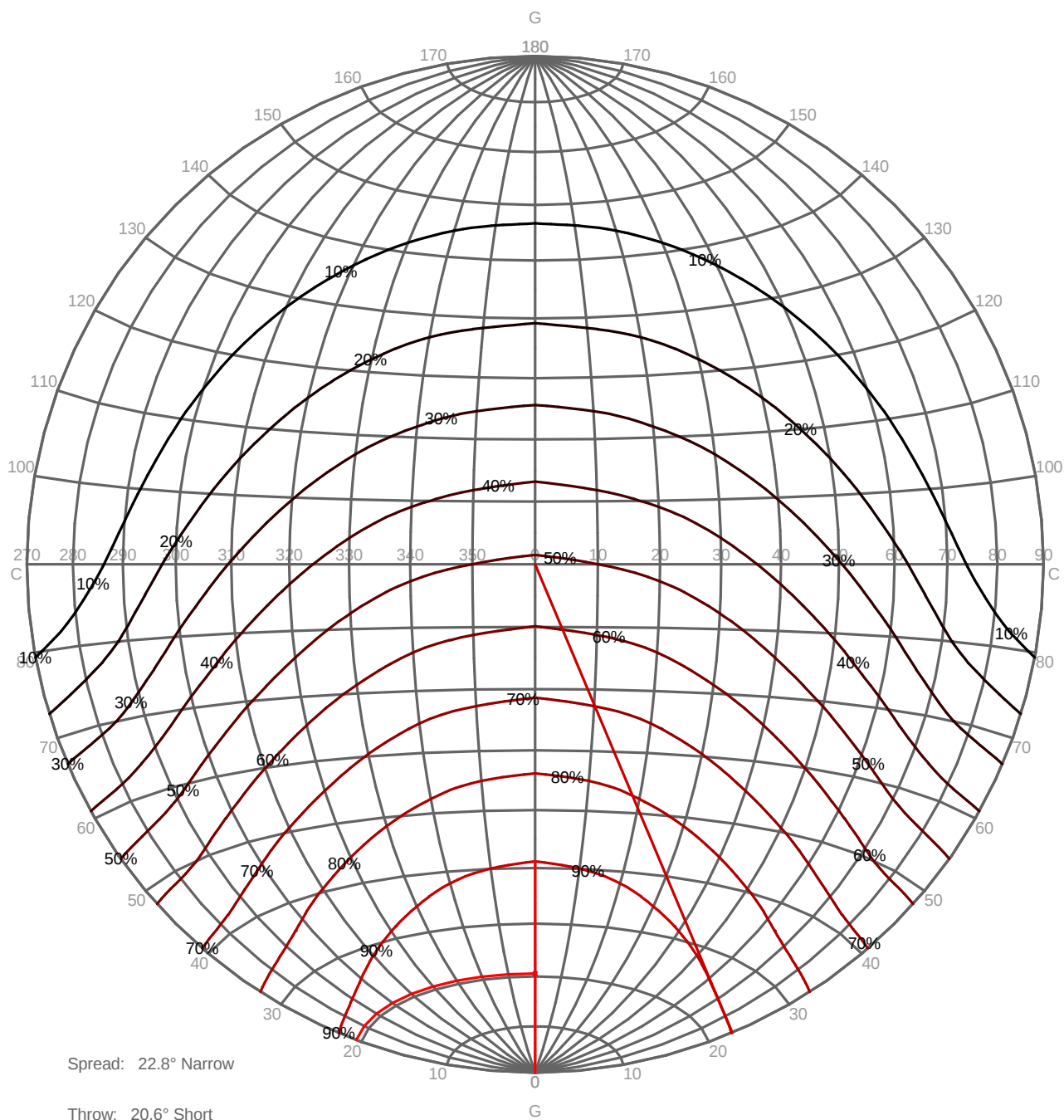
Measur.

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PERCENTAGE ISOCANDLES

Projection: Equal Area SLI 5.2 Tight Tilting Angle:0°



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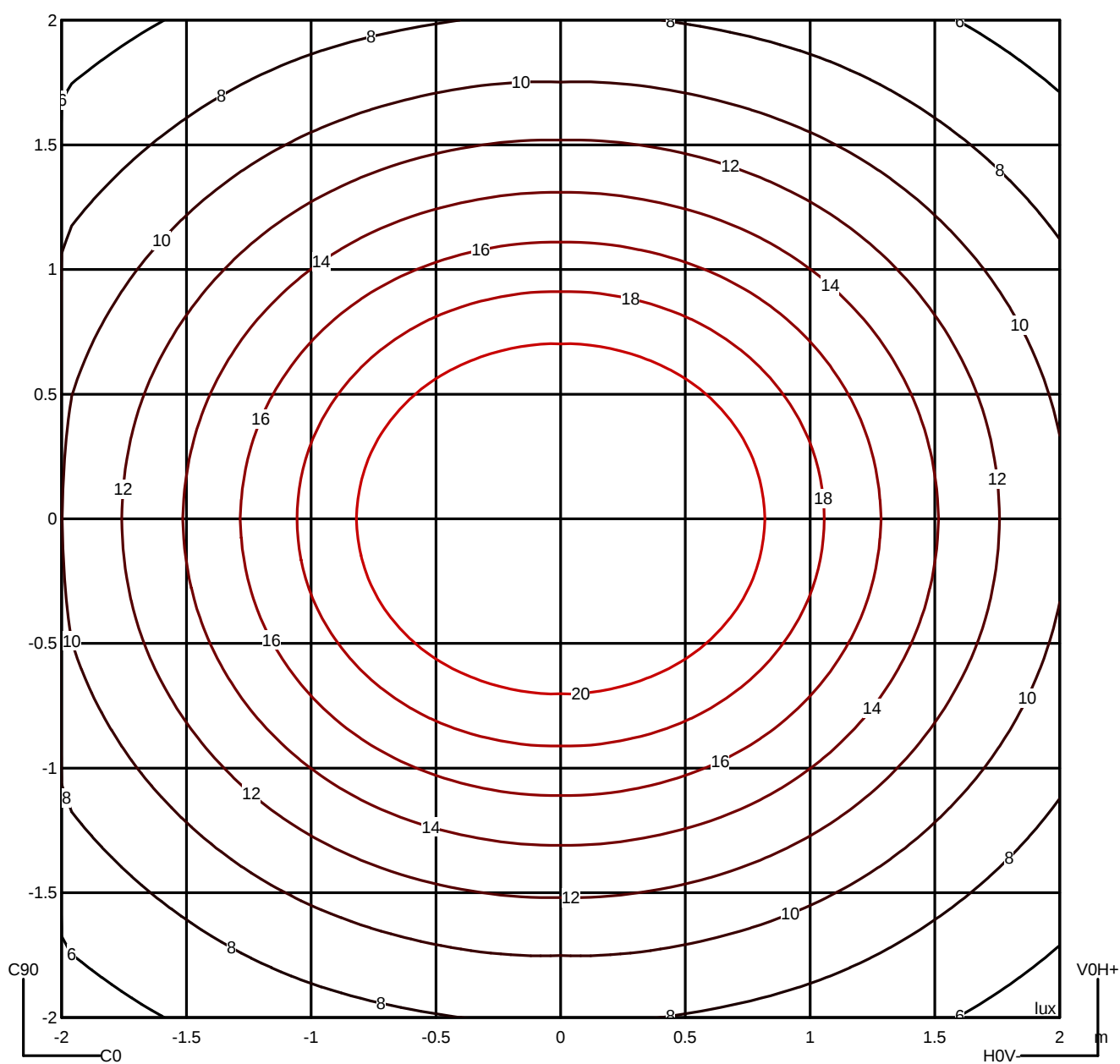
Measurem.

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Isolux (Floor)

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



Luminaire

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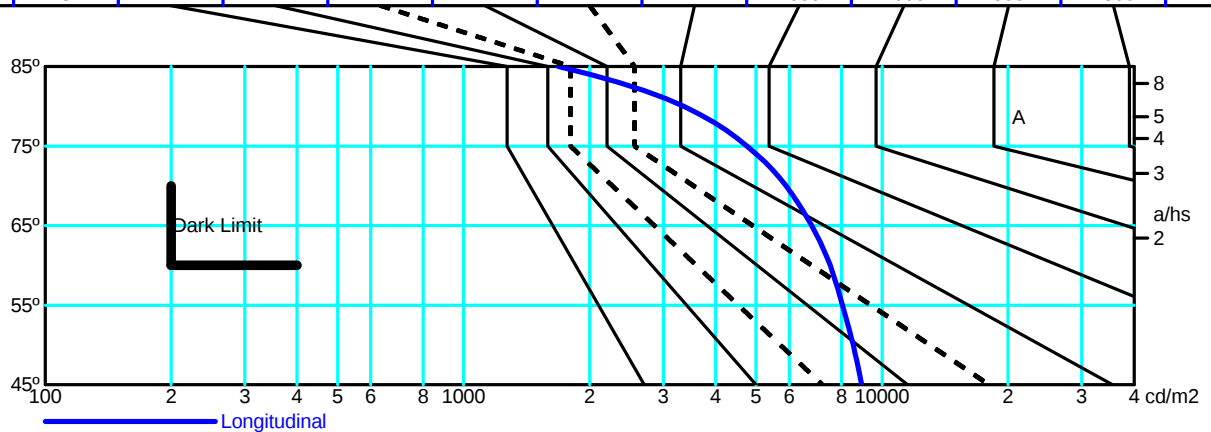
Measurement

Code CL116A17F353G
Name APLIQUE LEDS 30 cm

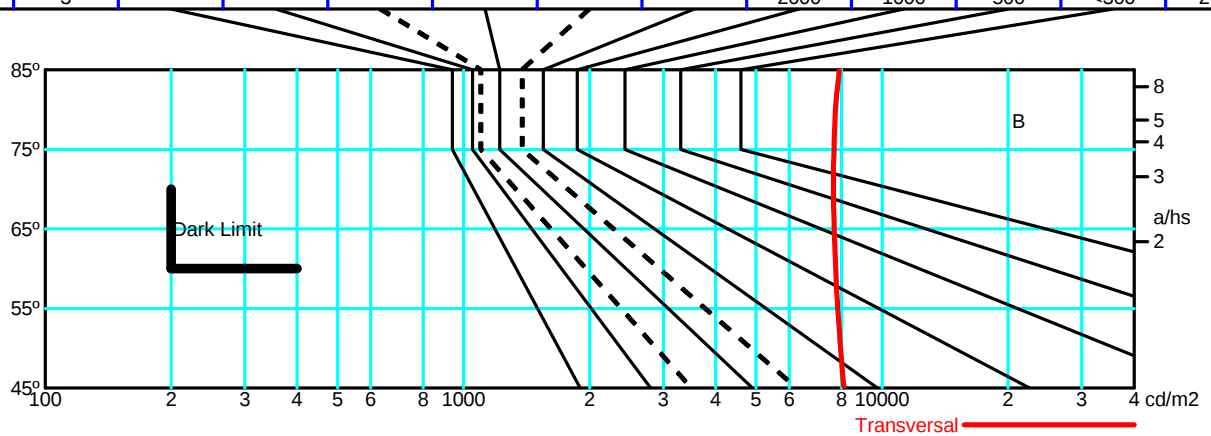
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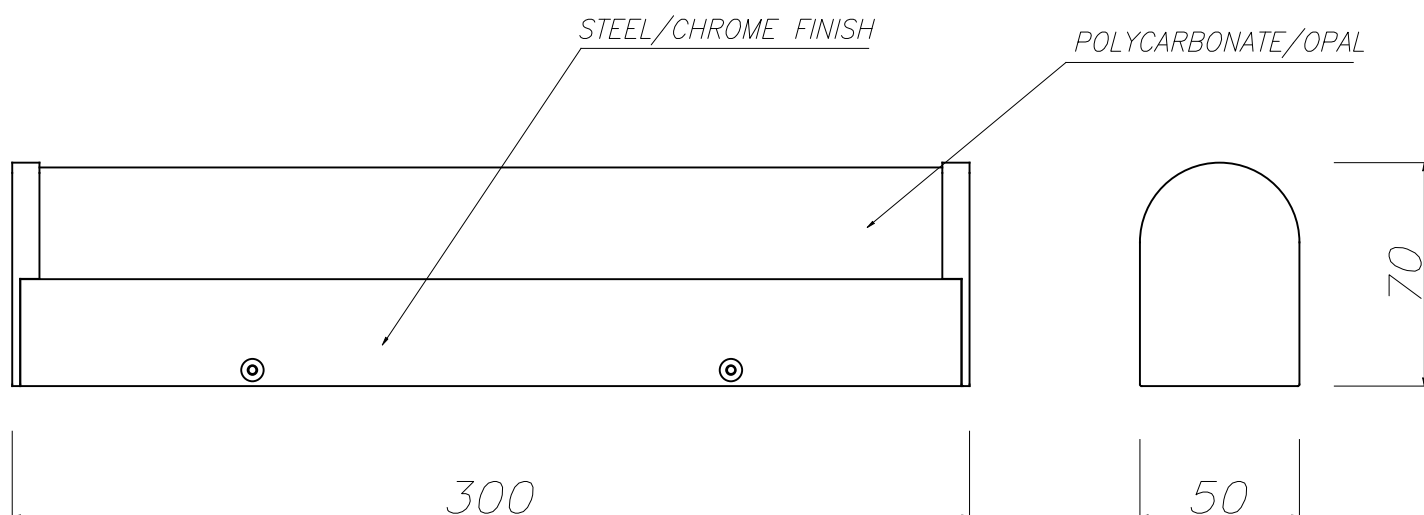
Average Luminance [cd/m ²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
8105	7960	7835	7748	7684	7649	7674	7738	7903	---	
8931	8531	8038	7514	6787	5896	4759	3364	1685	---	

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

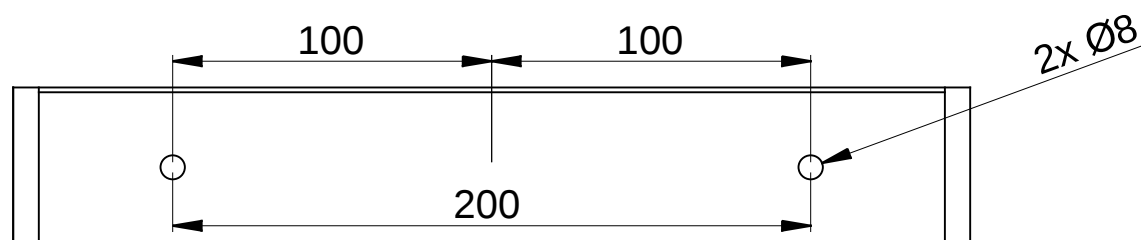


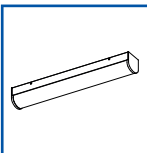
Flush mounted or transversal view												
Illumination(lx)												
A	A	2000	1000	750	500	<300						1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55





INSTALLATION TEMPLATE
PLANTILLA DE INSTALACIÓN

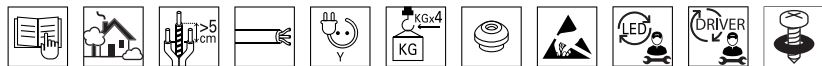




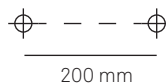
Lungo

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FOR
LIGHT



DE-0428



DE-0429

