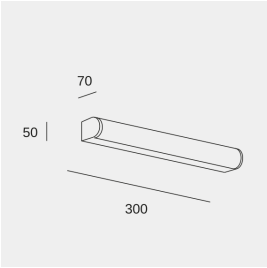
Lungo 300mm

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

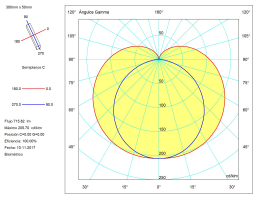
LUMINOTECHNIC FEATURES

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

Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

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

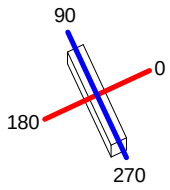
Rectangular Luminaire	Length	300 mm	Width	50 mm	Height	70 mm
Rectangular Luminous Area	Length	265 mm	Width	50 mm	Height	35 mm
Horizontal Luminous Area	0.013250 m2		Emitting area on Plane 180°		0.009275 m2	
Emitting area on Plane 0°	0.009275 m2		Emitting area on Plane 270°		0.001750 m2	
Emitting area 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						

Luminaire Lamps

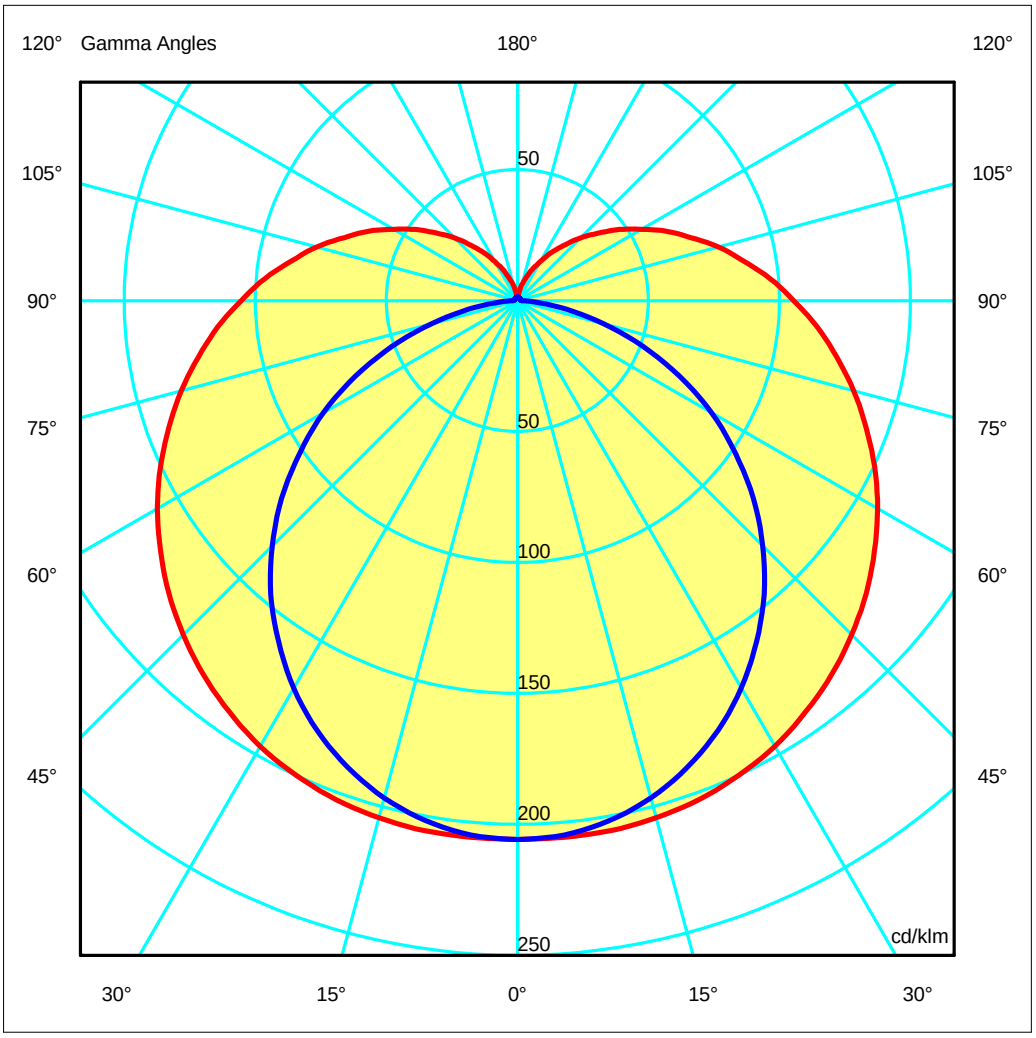
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	DE-0428-CRO	DE-0428-CRO	715.82	9.28	1

C.I.E.	36 64 85 81 100	D DIN 5040	B21
F UTE	0.81 H + 0.19 T	B NBN	BZ 6

300mm x 50mm



C Halfplanes
180.0 — 0.0
270.0 — 90.0



ULOR 19.21 %
DLOR 80.79 %
RN 19.21 %

Luminaire
Code DE-0428-CRO
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Measurem.
Code CL116A17F353G
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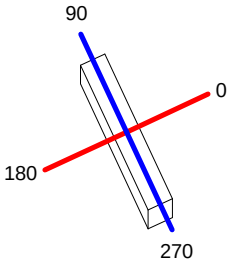
Luminous Intensity Table cd/klm **Table 1/1**

	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
Measurem.
Code CL116A17F353G
Name APLIQUE LEDS 30 cm

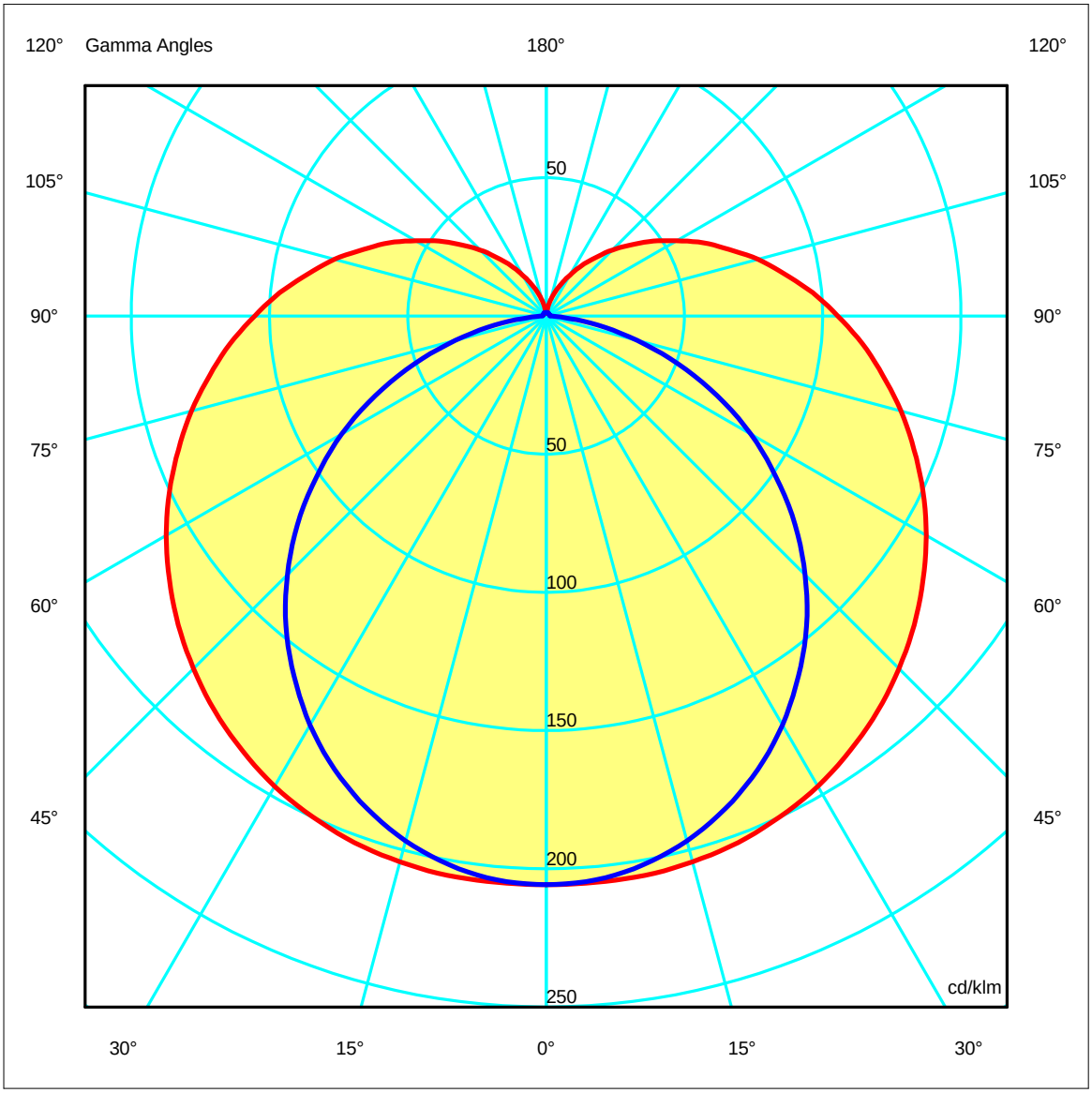
Luminaire Flux	715.82 lm	Luminaire Power	9.28 W	Efficacy	77.14 lm/W	Efficiency	100.00%
Lamps Flux	715.82 lm	Maximum value	205.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

300mm x 50mm



C Halfplanes

180.0 0.0
270.0 90.0



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Measurem.
Code CL116A17F353G
Name APLIQUE LEDS 30 cm

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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

Luminaire
Code DE-0428-CRO
Name APLIQUE LEDS 30 cm
Measurem.
Code CL116A17F353G
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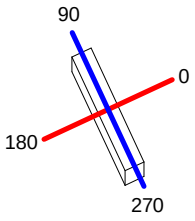
UGR
S = 0.250

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	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
Code DE-0428-CRO
Name APLIQUE LEDS 30 cm
Measurem.
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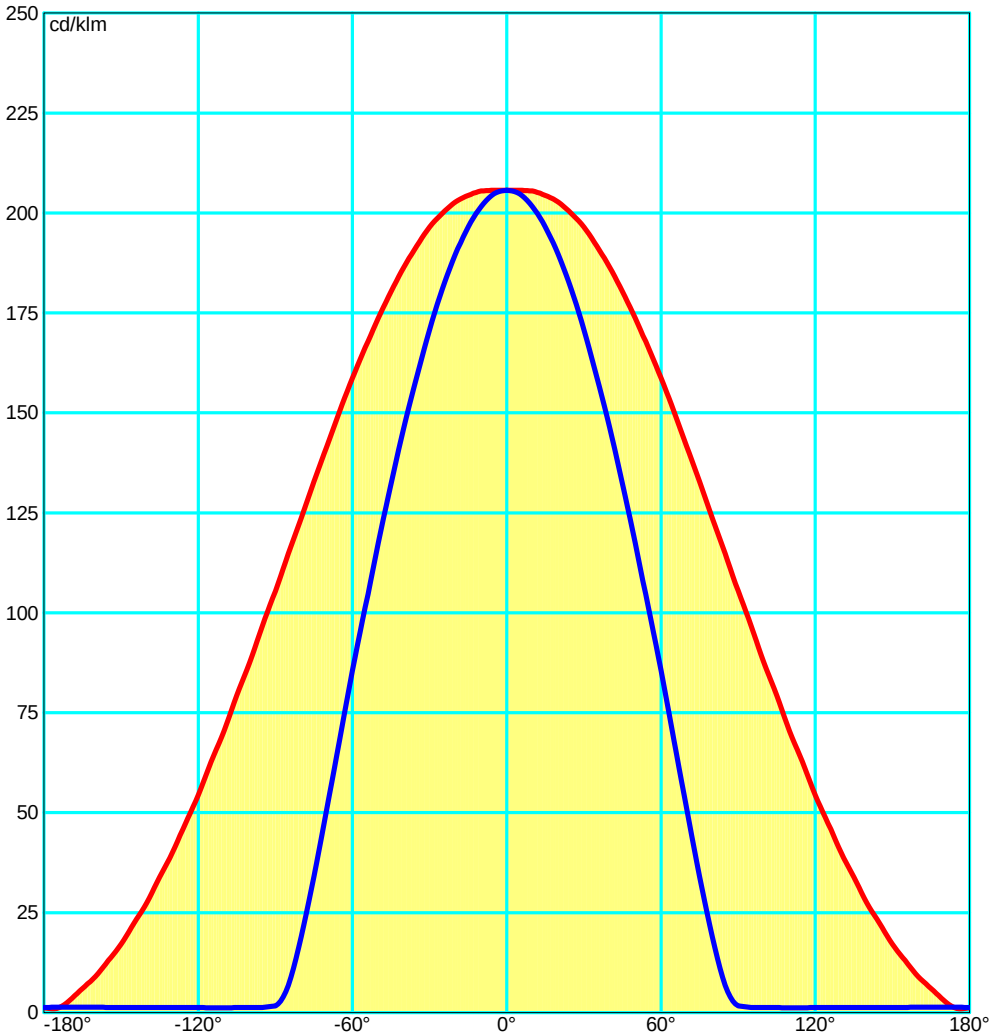
Luminaire Flux	715.82 lm	Luminaire Power	9.28 W	Efficacy	77.14 lm/W	Efficiency	100.00%
Lamps Flux	715.82 lm	Maximum value	205.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

300mm x 50mm



C Halfplanes

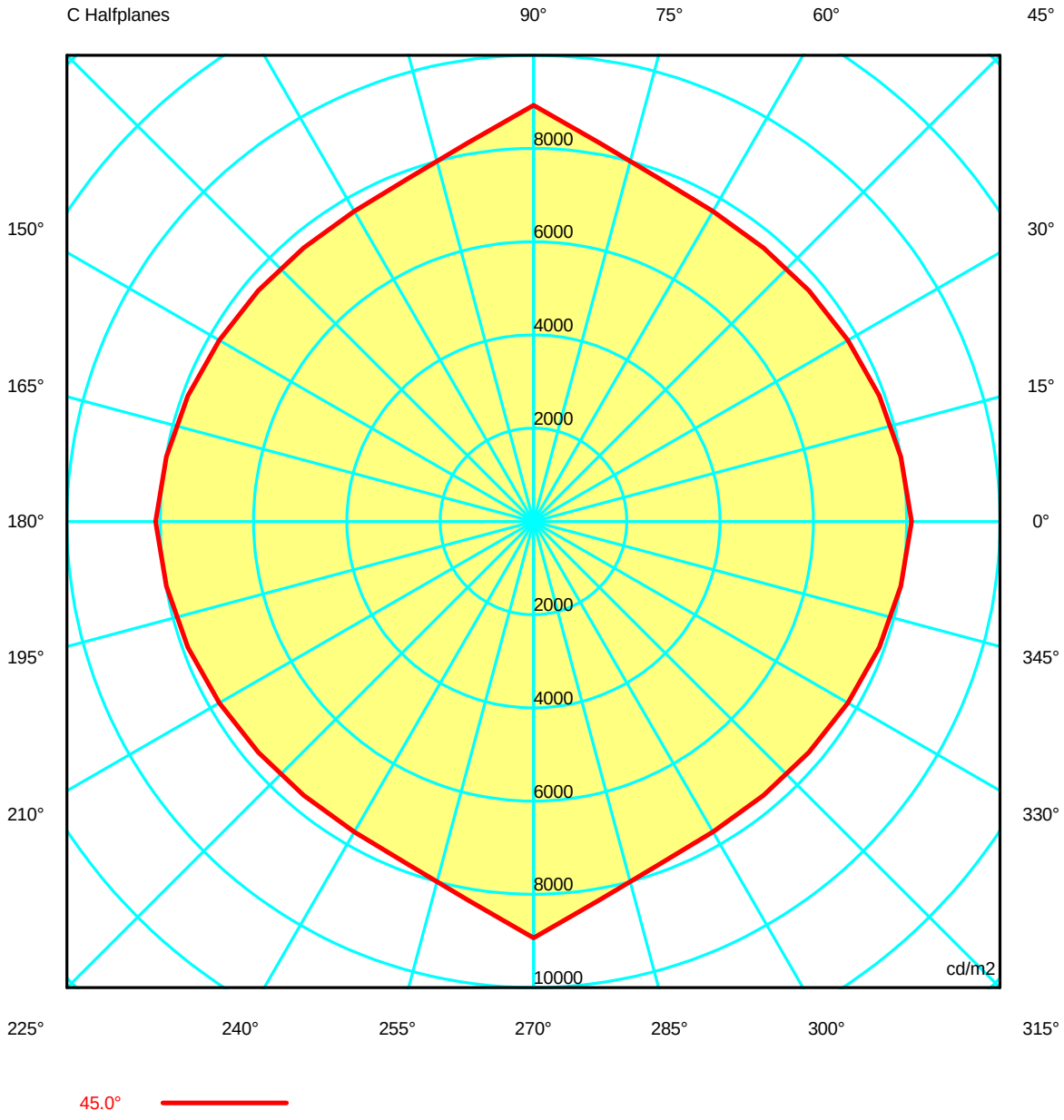
180.0 0.0
270.0 90.0



Luminaire
Code DE-0428-CRO
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Measurem.
Code CL116A17F353G
Name APLIQUE LEDS 30 cm

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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
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Measurem.
Code CL116A17F353G
Name APLIQUE LEDS 30 cm

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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 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Luminaire
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Measurem.
Code CL116A17F353G
Name APLIQUE LEDS 30 cm

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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
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
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

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

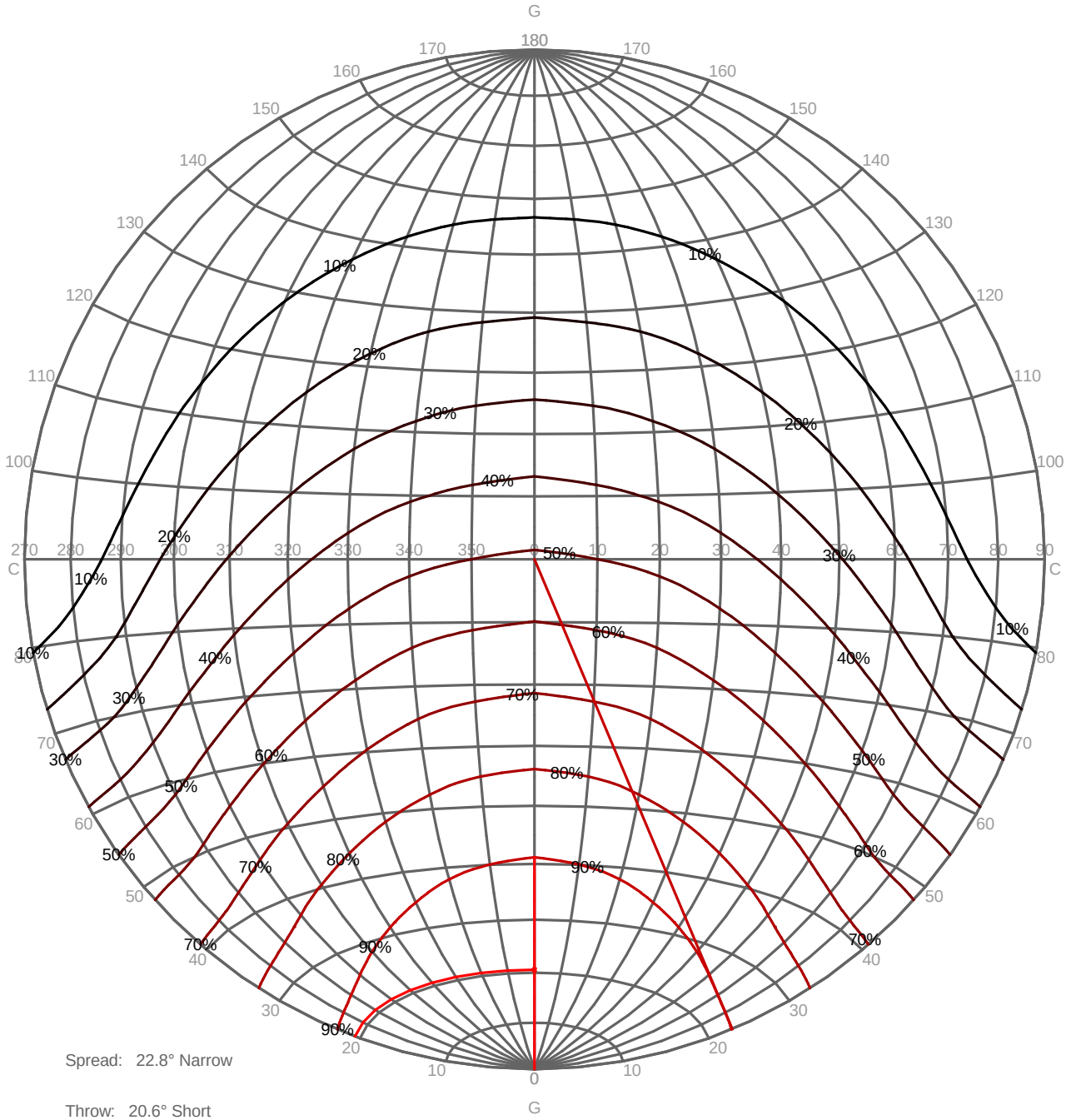
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56	11112.56
G 5.0	10863.78	10978.32	10863.78	10760.77	10675.34	10611.10	10559.18	10520.21	10502.99	10498.92
G 10.0	10596.43	10806.93	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

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

PERCENTAGE ISOCANDLES

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



Spread: 22.8° Narrow

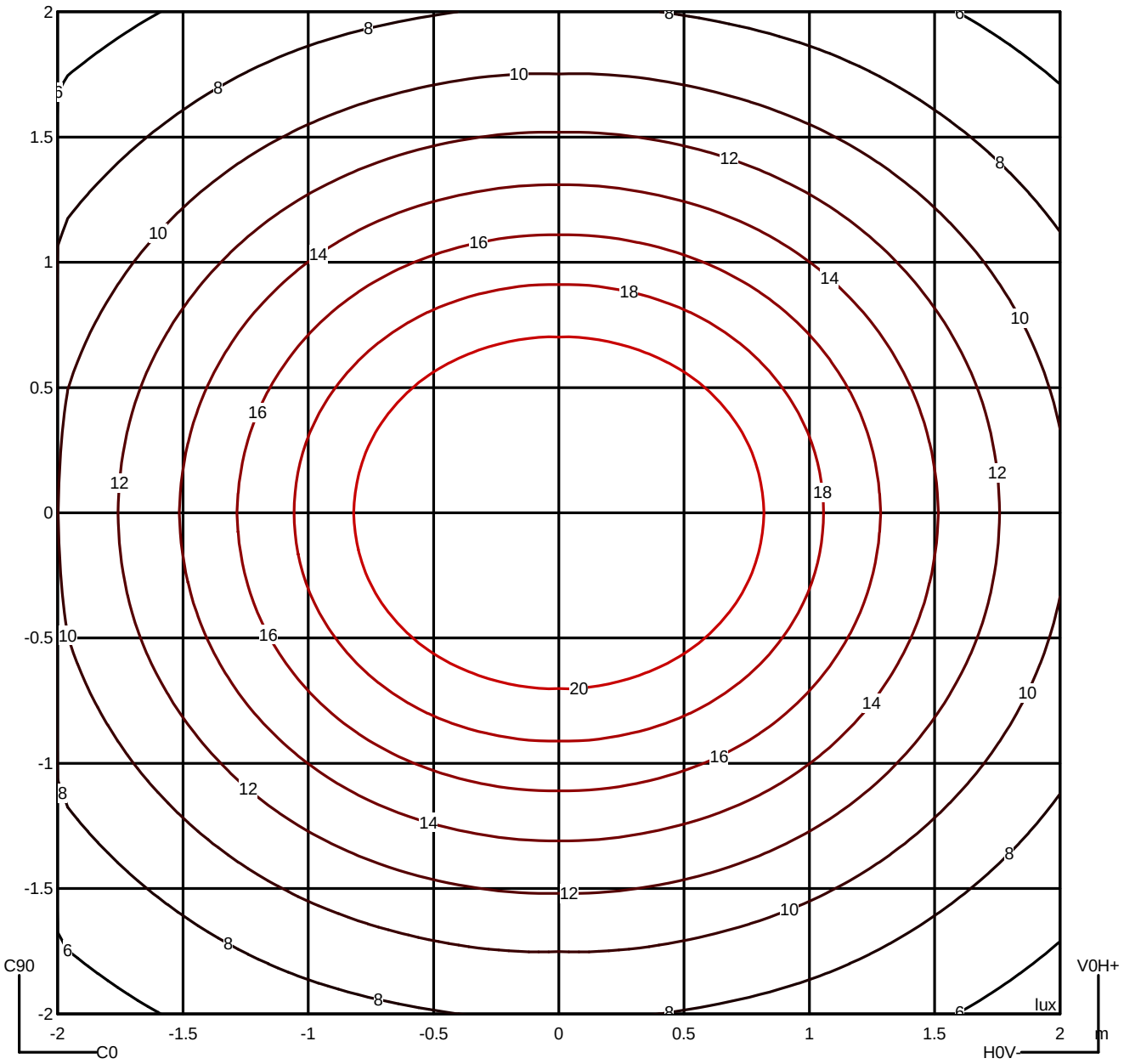
Throw: 20.6° Short

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

Isolux (Floor)

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



Luminaire
Code DE-0428-CRO
Name APLIQUE LEDS 30 cm
Measurem.
Code CL116A17F353G
Name APLIQUE LEDS 30 cm

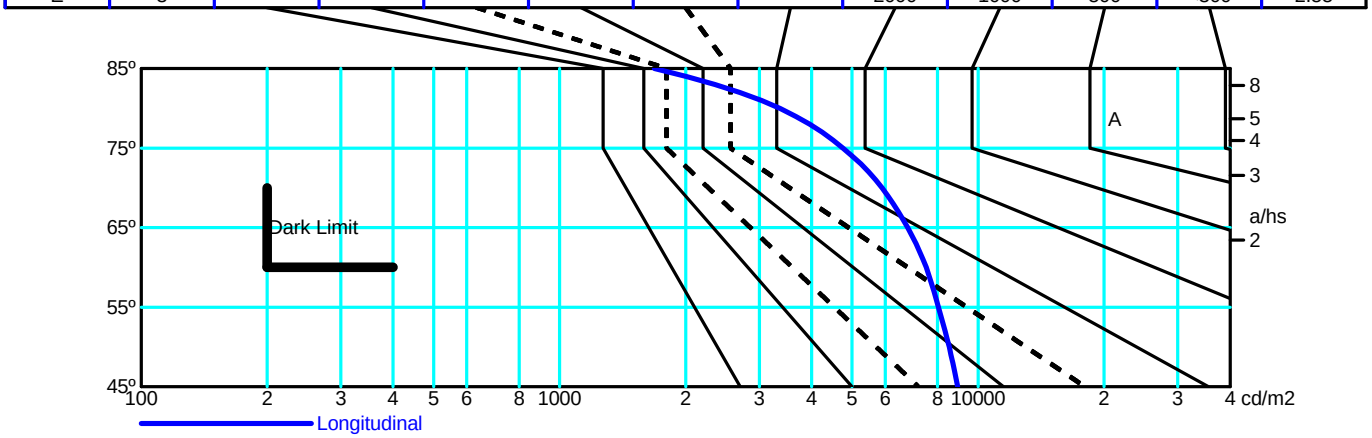
Luminaire Flux	715.82 lm	Luminaire Power	9.28 W	Efficacy	77.14 lm/W	Efficiency	100.00%
Lamps Flux	715.82 lm	Maximum value	205.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	8105	7960	7835	7748	7684	7649	7674	7738	7903	---
90.0°	8931	8531	8038	7514	6787	5896	4759	3364	1685	---

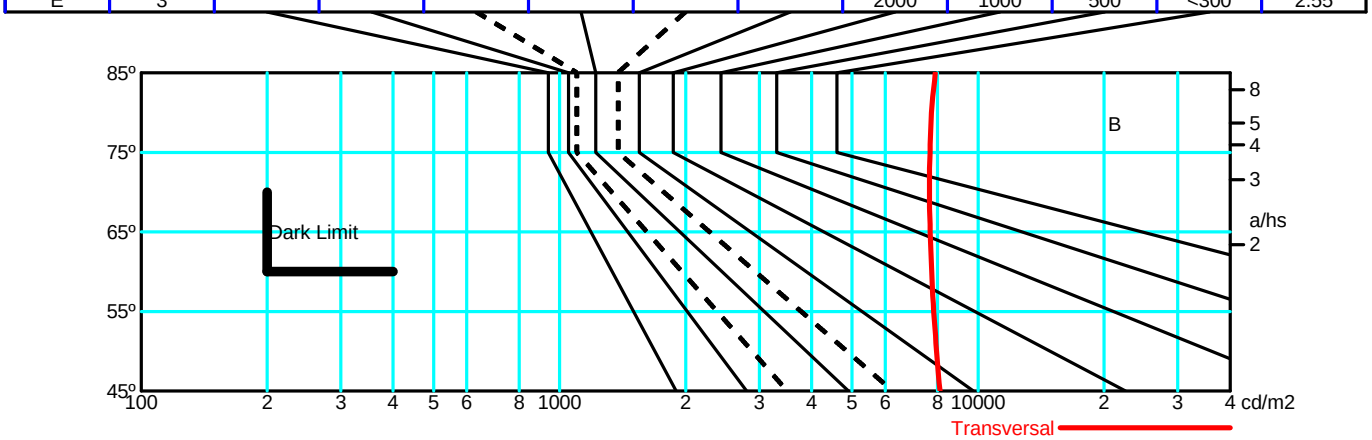
Flush mounted or longitudinal view

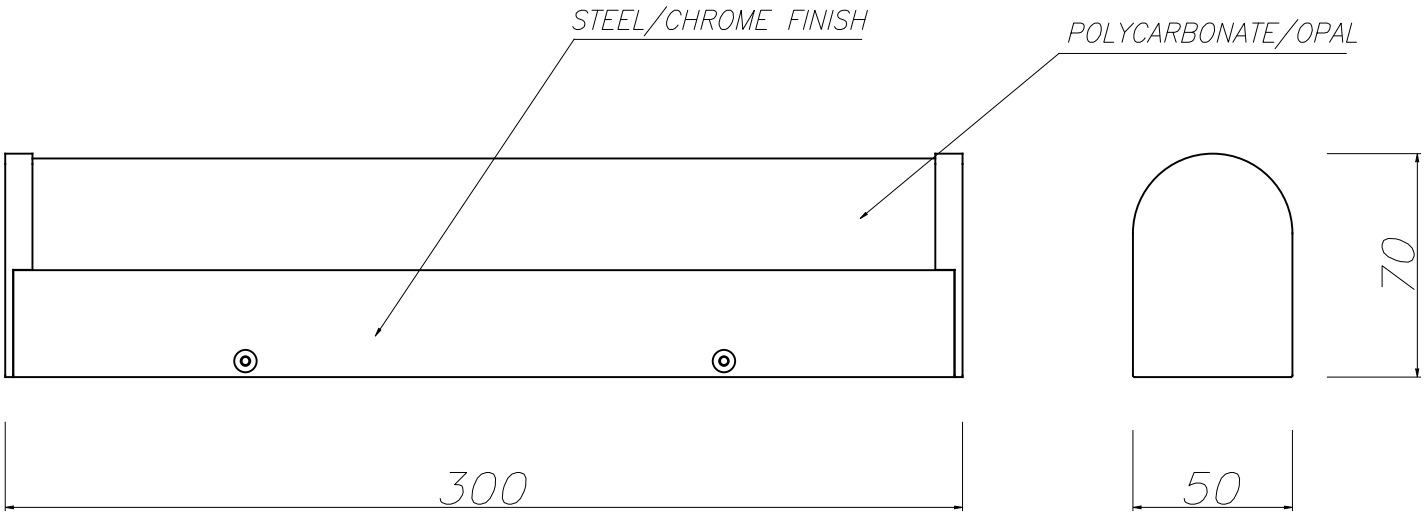
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



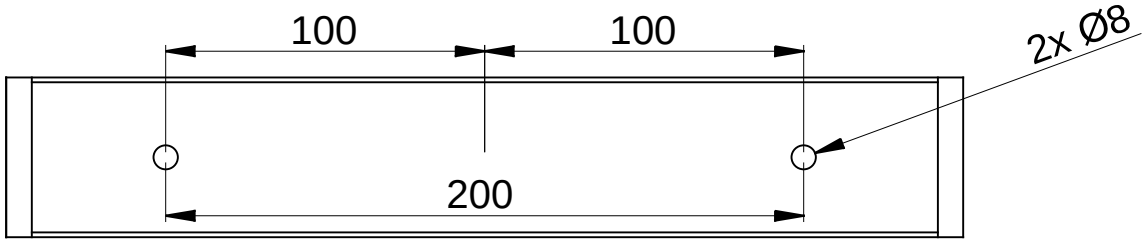
Flush mounted or transveral view

		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

DE-0428 DE-0429

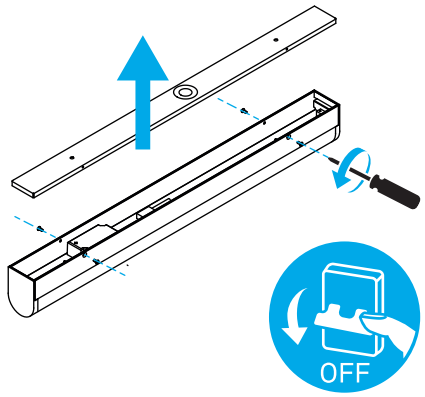
DE-0428

200 mm

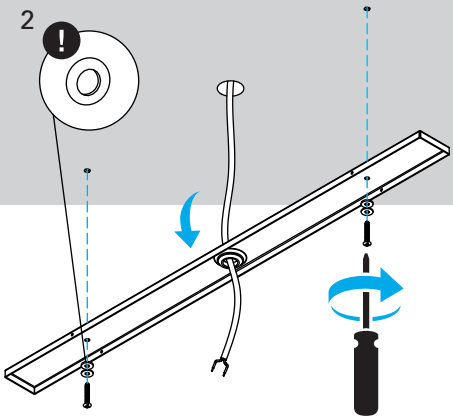
DE-0429

400 mm

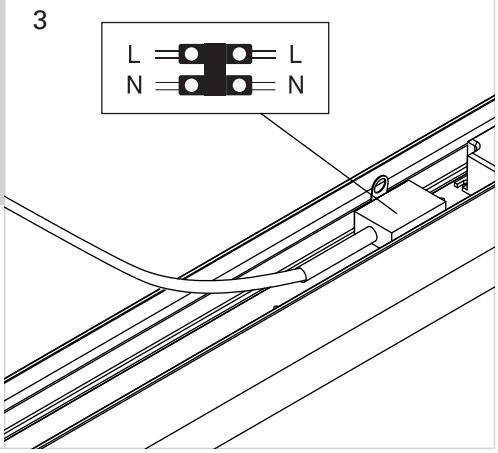
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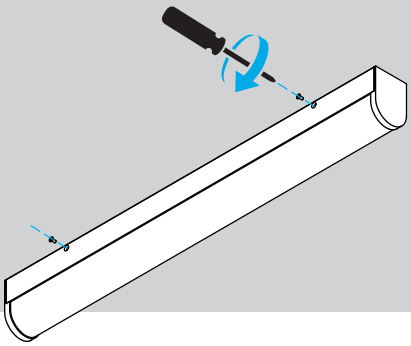
2



3



4



5

