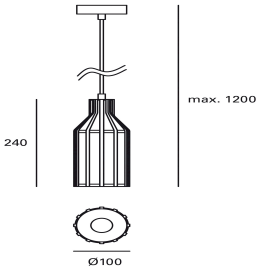
Pray

DE-0182-NEG

Pendant IP20 Pray 60W Black





TECHNICAL FEATURES

IP20 RF 850ºC

Luminaire total power : 60W

Structure material : Steel

Structure finish : Black

Max. size of light bulb : 130/85 mm

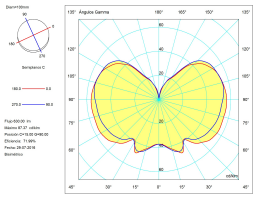
Voltage / frequency : 100-240V ~ 50/60Hz

Warranty : 3 Years

Easily recyclable luminaire

LUMINOTECHNIC FEATURES

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
-	1	60W	-



LOGISTICS

Net weight (kg): 0.6

Packaged weight (kg): 0.76

Packaging: 110mm x 110mm x 330mm

24 Un

LIGHT APPLICATION

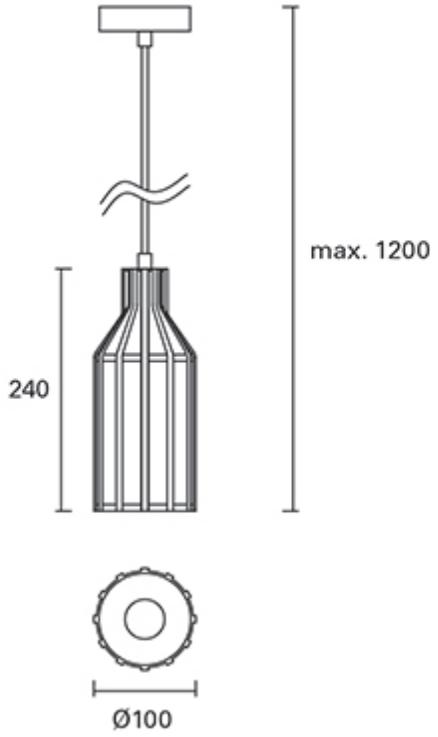


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27
Measurem.
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27

Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

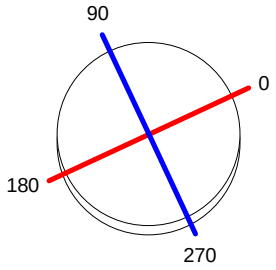
Round Luminaire	Diam. 100 mm	Height	240 mm
Round Luminous Area	Diam. 100 mm	Height	120 mm
Horizontal Luminous Area	0.007854 m2	Emitting area on Plane 180°	0.012000 m2
Emitting area on Plane 0°	0.012000 m2	Emitting area on Plane 270°	0.012000 m2
Emitting area on Plane 90°	0.012000 m2	Glare area at 76°	0.013544 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	29-07-2016	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	630.00 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
	ECOClassic 42W 230	ECOClassic 42W 230	630.00	42.00	1

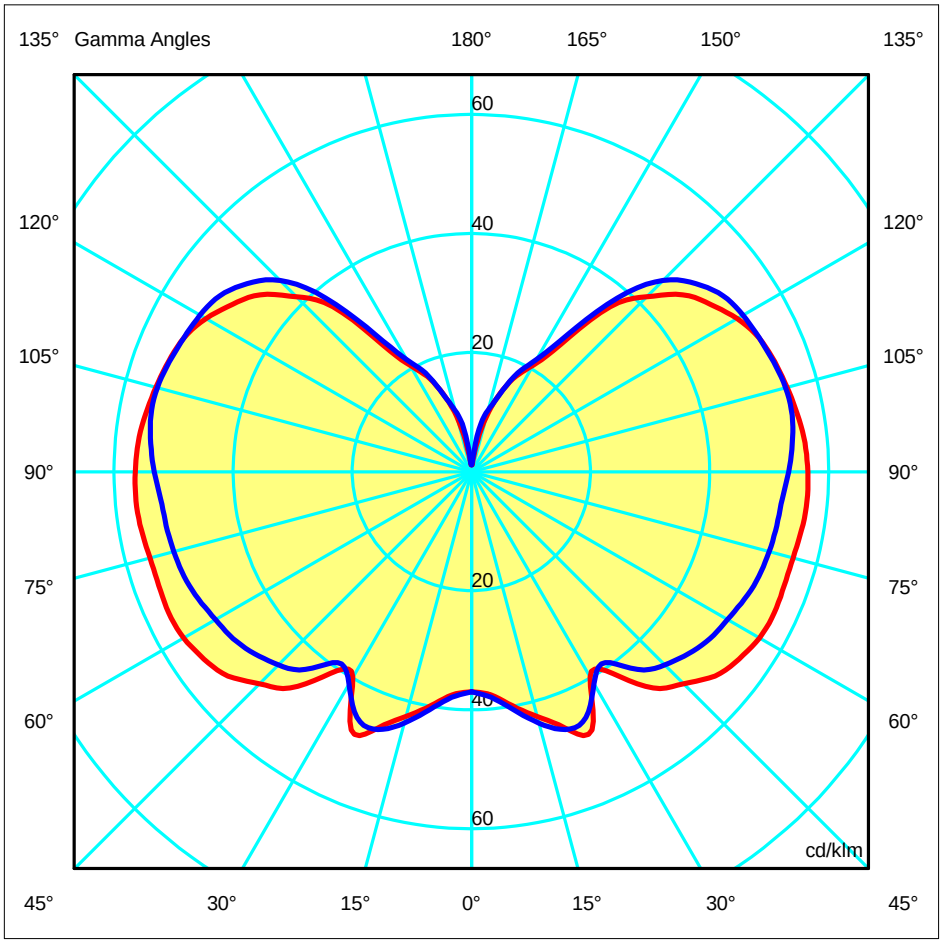
C.I.E.	19 44 72 53 72	D DIN 5040	C11
F UTE	0.38 J + 0.34 T	B NBN	BZ 9

Diam=100mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0



ULOR	33.77 %
DLOR	38.22 %
RN	46.91 %

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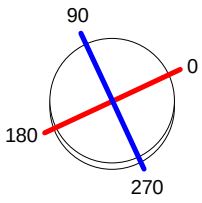
Luminous Intensity Table cd/klm **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	36.99	36.99	36.99	36.99	36.99	36.99	36.99
G 5.0	37.65	37.76	37.83	37.91	38.01	38.18	38.05
G 10.0	39.95	39.95	40.02	40.01	40.49	40.95	40.59
G 15.0	42.55	42.67	42.42	42.20	43.19	43.44	43.71
G 20.0	45.78	45.34	45.09	44.53	45.63	46.07	46.09
G 25.0	47.84	47.19	45.88	45.65	45.68	47.47	45.52
G 30.0	39.83	42.14	38.44	39.90	39.37	41.81	41.13
G 35.0	41.41	53.16	40.18	52.75	39.67	54.59	39.13
G 40.0	47.43	64.19	44.32	61.05	44.38	64.16	43.36
G 45.0	50.36	70.12	46.76	66.53	47.20	70.00	45.86
G 50.0	53.37	74.98	48.84	70.59	49.13	74.27	47.56
G 55.0	54.84	79.43	50.55	74.09	50.59	78.12	48.86
G 60.0	55.82	82.37	51.52	76.66	51.36	80.41	49.63
G 65.0	56.08	83.87	52.42	78.58	52.02	82.51	50.60
G 70.0	55.88	84.38	52.61	79.61	52.40	83.92	51.34
G 75.0	55.89	84.71	52.91	80.36	52.61	84.88	51.75
G 80.0	56.28	85.55	53.13	79.97	52.85	85.10	52.05
G 85.0	56.54	86.77	53.67	80.68	53.25	85.44	52.37
G 90.0	56.46	87.37	54.09	80.83	53.79	85.61	53.27
G 95.0	56.19	86.93	54.28	80.49	54.15	85.63	54.06
G100.0	55.57	85.58	54.02	79.76	54.40	85.26	54.66
G105.0	54.84	83.75	53.74	78.69	53.99	84.59	54.61
G110.0	54.13	82.38	53.29	77.26	53.70	82.10	53.98
G115.0	53.24	80.57	52.62	75.22	53.22	79.66	53.28
G120.0	51.48	77.49	51.18	72.00	52.43	76.04	52.61
G125.0	49.02	73.01	49.34	67.86	51.10	71.81	51.56
G130.0	46.27	67.30	46.42	62.36	48.45	66.55	49.18
G135.0	41.55	59.71	42.51	55.92	44.74	59.47	45.46
G140.0	36.23	48.76	36.20	46.19	37.33	49.13	38.12
G145.0	26.09	33.52	26.77	33.27	27.50	34.20	28.14
G150.0	20.64	24.52	20.94	22.68	21.19	23.87	21.68
G155.0	17.70	19.72	17.92	18.75	17.98	19.19	18.32
G160.0	13.95	13.89	13.74	13.66	13.58	14.13	13.78
G165.0	9.58	9.49	9.43	9.75	9.77	10.37	10.69
G170.0	4.39	4.57	4.74	5.21	6.57	7.20	7.22
G175.0	1.16	1.31	1.16	1.95	1.32	3.16	1.56
G180.0	1.14	1.09	1.09	1.06	1.08	1.14	1.14

Luminaire
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27
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Code DE-0182-NEG
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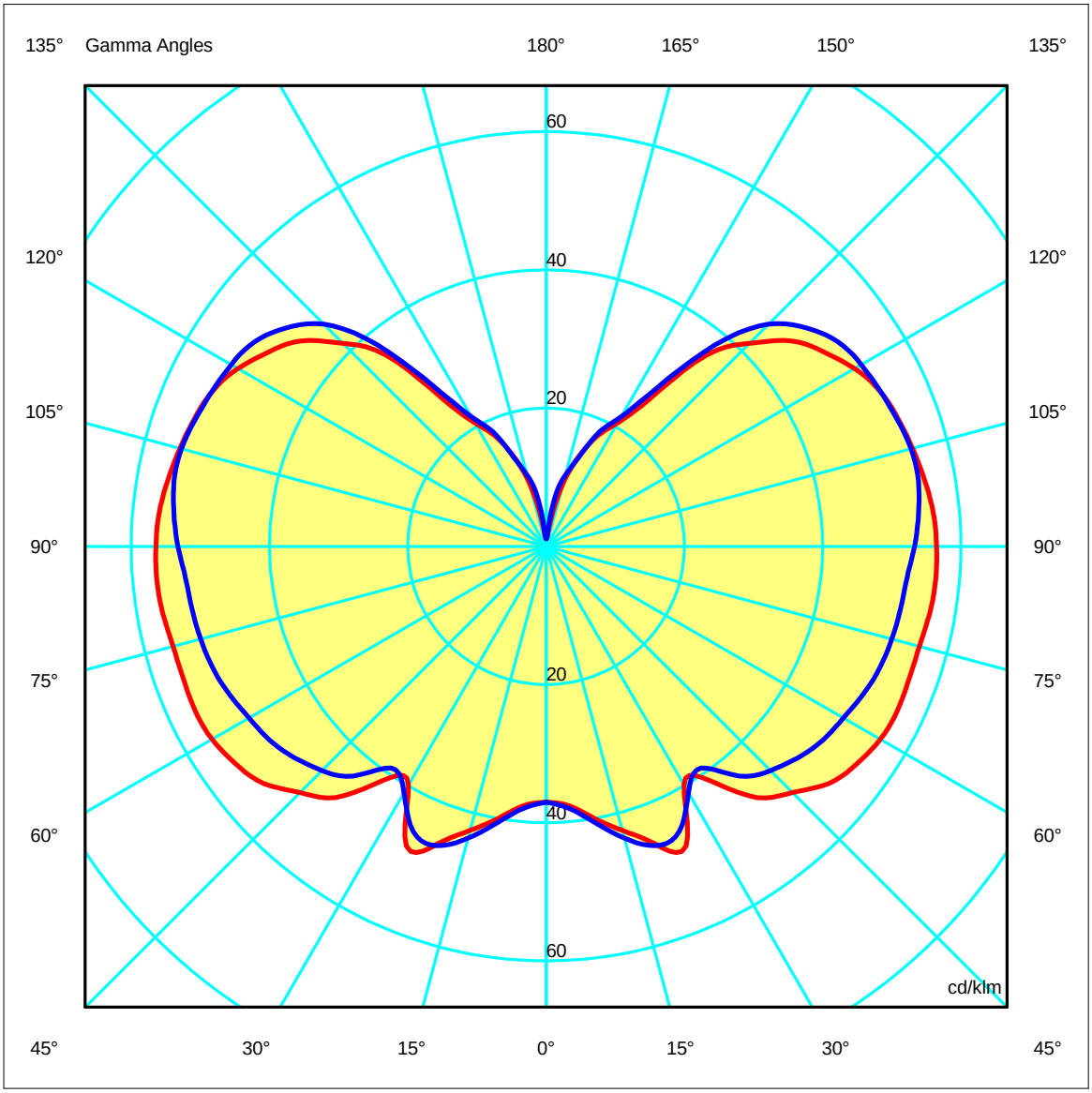
Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

Diam=100mm



C Halfplanes

180.0 0.0
270.0 90.0



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Code DE-0182-NEG
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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

Right beam angle not found, gamma = 86

Right beam angle not found, gamma = 86

Right beam angle not found, gamma = 86

Luminaire
Code DE-0182-NEG
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Measurem.
Code DE-0182-NEG
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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

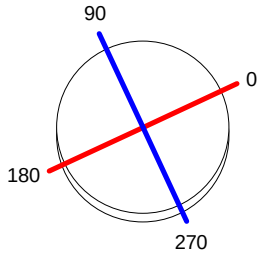
UGR
S = 0.250

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	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	13.2	14.3	14.1	15.2	16.1	13.1	14.1	13.9	15.0	16.1
x=2H y=3H	16.3	17.2	17.2	18.1	19.1	16.1	17.0	17.0	18.0	19.1
x=2H y=4H	17.7	18.6	18.6	19.5	20.6	17.6	18.5	18.5	19.4	20.6
x=2H y=6H	19.0	19.9	19.9	20.8	21.8	18.9	19.7	19.8	20.6	21.8
x=2H y=8H	19.6	20.4	20.5	21.4	22.4	19.4	20.2	20.4	21.2	22.4
x=2H y=12H	20.2	20.9	21.1	21.9	22.9	19.9	20.7	20.9	21.6	22.9
x=4H y=2H	14.1	15.0	15.0	15.9	17.0	14.0	14.9	14.9	15.8	17.0
x=4H y=3H	17.0	17.8	17.9	18.7	19.8	16.9	17.7	17.8	18.6	19.8
x=4H y=4H	18.6	19.3	19.5	20.3	21.4	18.5	19.2	19.4	20.2	21.4
x=4H y=6H	20.3	20.9	21.3	21.9	23.1	20.2	20.8	21.2	21.8	23.1
x=4H y=8H	21.1	21.7	22.1	22.7	23.9	21.0	21.6	22.0	22.6	23.9
x=4H y=12H	21.9	22.4	22.8	23.4	24.5	21.7	22.2	22.7	23.2	24.5
x=8H y=4H	19.1	19.7	20.1	20.7	21.9	19.1	19.6	20.0	20.6	21.9
x=8H y=6H	20.9	21.4	21.9	22.4	23.6	20.8	21.3	21.8	22.3	23.6
x=8H y=8H	21.9	22.3	22.9	23.3	24.5	21.8	22.2	22.8	23.2	24.5
x=8H y=12H	22.9	23.3	23.9	24.3	25.5	22.8	23.2	23.8	24.2	25.5
x=12H y=4H	19.2	19.7	20.2	20.7	21.9	19.1	19.7	20.1	20.7	21.9
x=12H y=6H	21.1	21.6	22.1	22.6	23.8	21.0	21.5	22.0	22.5	23.8
x=12H y=8H	22.1	22.5	23.1	23.5	24.8	22.0	22.4	23.0	23.4	24.8

Luminaire
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Measurem.
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27

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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

Diam=100mm



C Halfplanes

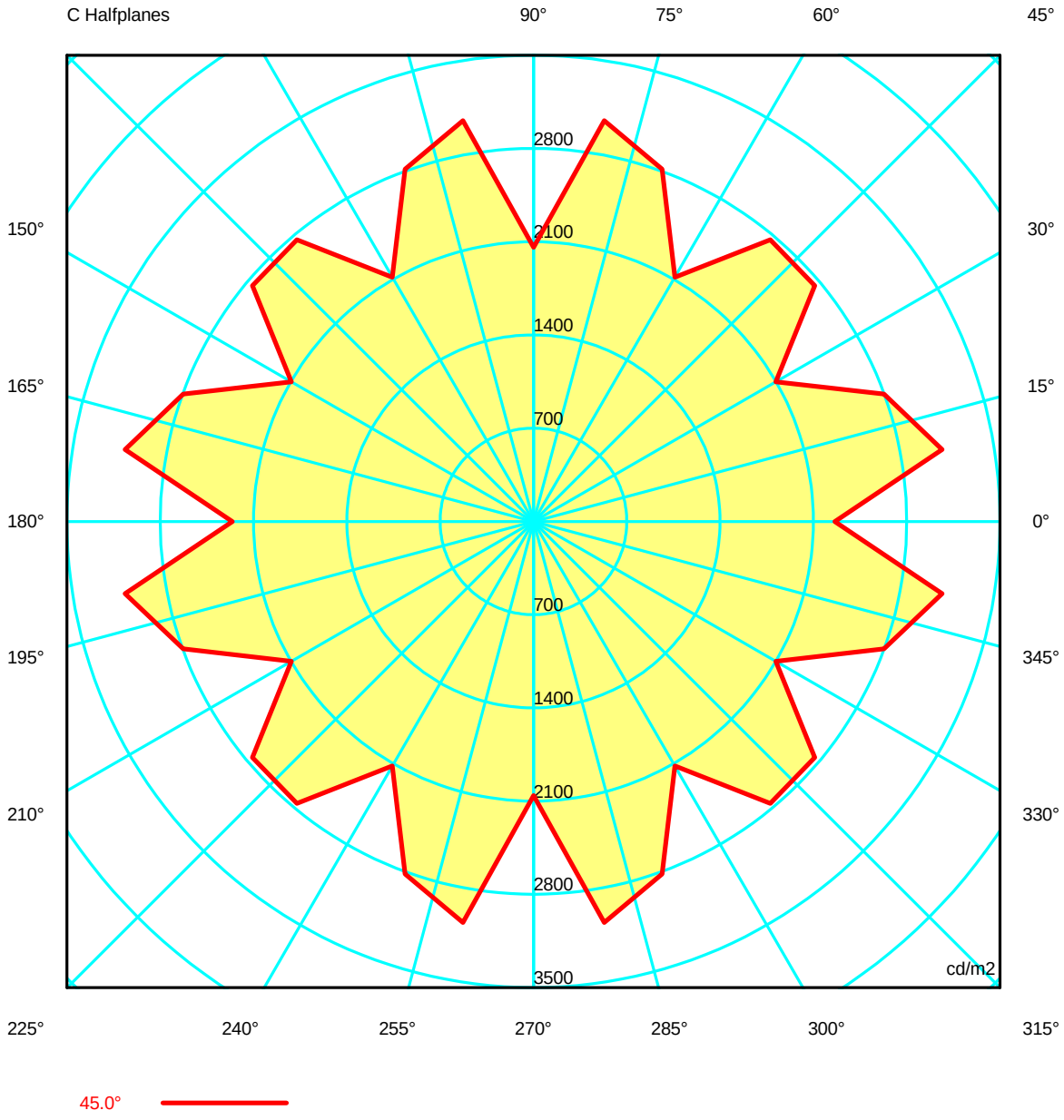
180.0 0.0
270.0 90.0



Luminaire
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27
Measurem.
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27

Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

Luminance



Luminaire
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27
Measurem.
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27

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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	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	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03
G 5.0	2674.40	2679.70	2683.52	2686.57	2690.76	2694.49	2699.70	2709.05	2710.83	2702.39	2710.83	2709.05	2699.70
G 10.0	2563.51	2563.61	2565.44	2567.84	2567.48	2573.99	2597.75	2622.42	2624.98	2604.37	2624.98	2622.42	2597.75
G 15.0	2507.39	2513.57	2512.14	2499.29	2483.20	2502.33	2544.55	2557.94	2562.93	2575.46	2562.93	2557.94	2544.55
G 20.0	2511.21	2493.01	2484.46	2473.62	2445.67	2456.24	2502.88	2524.42	2527.41	2528.14	2527.41	2524.42	2502.88
G 25.0	2472.29	2455.16	2415.41	2371.22	2361.82	2352.37	2360.70	2432.14	2441.37	2352.39	2441.37	2432.14	2360.70
G 30.0	1959.96	2073.10	2019.00	1891.52	1933.26	1959.96	1937.45	2017.87	2066.63	2024.03	2066.63	2017.87	1937.45
G 35.0	1958.98	2489.53	2304.65	1901.07	2352.19	2329.61	1876.76	2356.53	2528.14	1851.45	2528.14	2356.53	1876.76
G 40.0	2176.45	2915.42	2641.27	2033.62	2603.16	2601.13	2036.52	2655.93	2869.83	1989.61	2869.83	2655.93	2036.52
G 45.0	2259.72	3111.78	2797.49	2098.51	2754.68	2761.47	2118.31	2816.40	3056.69	2058.09	3056.69	2816.40	2118.31
G 50.0	2360.84	3282.94	2931.27	2160.42	2872.03	2877.28	2173.39	2932.25	3192.98	2103.78	3192.98	2932.25	2173.39
G 55.0	2410.18	3445.36	3071.99	2221.76	2985.83	2988.33	2223.45	3048.98	3332.21	2147.24	3332.21	3048.98	2223.45
G 60.0	2455.76	3572.47	3176.96	2266.66	3083.76	3085.16	2259.83	3129.33	3432.78	2183.75	3432.78	3129.33	2259.83
G 65.0	2488.88	3662.96	3262.36	2326.38	3187.36	3180.67	2308.69	3228.58	3554.77	2245.58	3554.77	3228.58	2308.69
G 70.0	2521.38	3742.82	3333.94	2373.92	3278.72	3272.20	2364.31	3330.79	3677.92	2316.58	3677.92	3330.79	2364.31
G 75.0	2584.48	3848.87	3430.43	2446.52	3391.88	3380.28	2433.03	3446.68	3812.84	2392.84	3812.84	3446.68	2433.03
G 80.0	2690.04	4015.71	3581.01	2539.33	3490.15	3481.94	2526.04	3575.41	3950.82	2487.55	3950.82	3575.41	2526.04
G 85.0	2818.32	4242.40	3787.76	2675.28	3671.45	3664.44	2654.20	3745.44	4137.85	2610.58	4137.85	3745.44	2654.20
G 90.0	2964.01	4491.75	4022.15	2839.58	3875.10	3874.72	2823.90	3958.58	4372.69	2796.42	4372.69	3958.58	2823.90

Luminaire
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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	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	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03
G 5.0	2694.49	2690.76	2686.57	2683.52	2679.70	2674.40	2679.70	2683.52	2686.57	2690.76	2694.49	2699.70	2709.05
G 10.0	2573.99	2567.48	2567.84	2565.44	2563.61	2563.51	2563.61	2565.44	2567.84	2567.48	2573.99	2597.75	2622.42
G 15.0	2502.33	2483.20	2499.29	2512.14	2513.57	2507.39	2513.57	2512.14	2499.29	2483.20	2502.33	2544.55	2557.94
G 20.0	2456.24	2445.67	2473.62	2484.46	2493.01	2511.21	2493.01	2484.46	2473.62	2445.67	2456.24	2502.88	2524.42
G 25.0	2352.37	2361.82	2371.22	2415.41	2455.16	2472.29	2455.16	2415.41	2371.22	2361.82	2352.37	2360.70	2432.14
G 30.0	1959.96	1933.26	1891.52	2019.00	2073.10	1959.96	2073.10	2019.00	1891.52	1933.26	1959.96	1937.45	2017.87
G 35.0	2329.61	2352.19	1901.07	2304.65	2489.53	1958.98	2489.53	2304.65	1901.07	2352.19	2329.61	1876.76	2356.53
G 40.0	2601.13	2603.16	2033.62	2641.27	2915.42	2176.45	2915.42	2641.27	2033.62	2603.16	2601.13	2036.52	2655.93
G 45.0	2761.47	2754.68	2098.51	2797.49	3111.78	2259.72	3111.78	2797.49	2098.51	2754.68	2761.47	2118.31	2816.40
G 50.0	2877.28	2872.03	2160.42	2931.27	3282.94	2360.84	3282.94	2931.27	2160.42	2872.03	2877.28	2173.39	2932.25
G 55.0	2988.33	2985.83	2221.76	3071.99	3445.36	2410.18	3445.36	3071.99	2221.76	2985.83	2988.33	2223.45	3048.98
G 60.0	3085.16	3083.76	2266.66	3176.96	3572.47	2455.76	3572.47	3176.96	2266.66	3083.76	3085.16	2259.83	3129.33
G 65.0	3180.67	3187.36	2326.38	3262.36	3662.96	2488.88	3662.96	3262.36	2326.38	3187.36	3180.67	2308.69	3228.58
G 70.0	3272.20	3278.72	2373.92	3333.94	3742.82	2521.38	3742.82	3333.94	2373.92	3278.72	3272.20	2364.31	3330.79
G 75.0	3380.28	3391.88	2446.52	3430.43	3848.87	2584.48	3848.87	3430.43	2446.52	3391.88	3380.28	2433.03	3446.68
G 80.0	3481.94	3490.15	2539.33	3581.01	4015.71	2690.04	4015.71	3581.01	2539.33	3490.15	3481.94	2526.04	3575.41
G 85.0	3664.44	3671.45	2675.28	3787.76	4242.40	2818.32	4242.40	3787.76	2675.28	3671.45	3664.44	2654.20	3745.44
G 90.0	3874.72	3875.10	2839.58	4022.15	4491.75	2964.01	4491.75	4022.15	2839.58	3875.10	3874.72	2823.90	3958.58

Luminaire
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27
Measurem.
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27

Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency 71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG Double Symmetrical

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

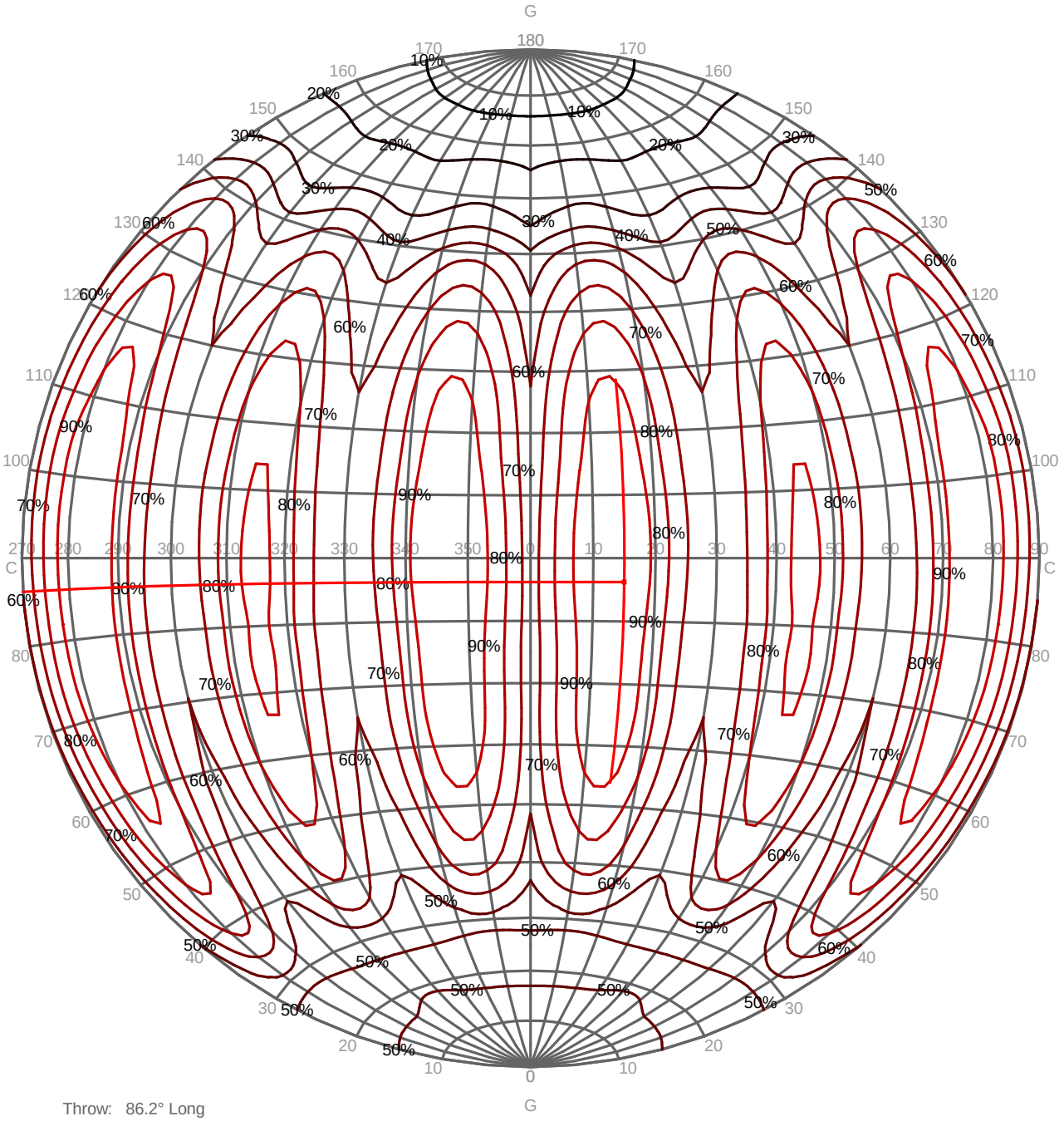
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03
G 5.0	2710.83	2702.39	2710.83	2709.05	2699.70	2694.49	2690.76	2686.57	2683.52	2679.70
G 10.0	2624.98	2604.37	2624.98	2622.42	2597.75	2573.99	2567.48	2567.84	2565.44	2563.61
G 15.0	2562.93	2575.46	2562.93	2557.94	2544.55	2502.33	2483.20	2499.29	2512.14	2513.57
G 20.0	2527.41	2528.14	2527.41	2524.42	2502.88	2456.24	2445.67	2473.62	2484.46	2493.01
G 25.0	2441.37	2352.39	2441.37	2432.14	2360.70	2352.37	2361.82	2371.22	2415.41	2455.16
G 30.0	2066.63	2024.03	2066.63	2017.87	1937.45	1959.96	1933.26	1891.52	2019.00	2073.10
G 35.0	2528.14	1851.45	2528.14	2356.53	1876.76	2329.61	2352.19	1901.07	2304.65	2489.53
G 40.0	2869.83	1989.61	2869.83	2655.93	2036.52	2601.13	2603.16	2033.62	2641.27	2915.42
G 45.0	3056.69	2058.09	3056.69	2816.40	2118.31	2761.47	2754.68	2098.51	2797.49	3111.78
G 50.0	3192.98	2103.78	3192.98	2932.25	2173.39	2877.28	2872.03	2160.42	2931.27	3282.94
G 55.0	3332.21	2147.24	3332.21	3048.98	2223.45	2988.33	2985.83	2221.76	3071.99	3445.36
G 60.0	3432.78	2183.75	3432.78	3129.33	2259.83	3085.16	3083.76	2266.66	3176.96	3572.47
G 65.0	3554.77	2245.58	3554.77	3228.58	2308.69	3180.67	3187.36	2326.38	3262.36	3662.96
G 70.0	3677.92	2316.58	3677.92	3330.79	2364.31	3272.20	3278.72	2373.92	3333.94	3742.82
G 75.0	3812.84	2392.84	3812.84	3446.68	2433.03	3380.28	3391.88	2446.52	3430.43	3848.87
G 80.0	3950.82	2487.55	3950.82	3575.41	2526.04	3481.94	3490.15	2539.33	3581.01	4015.71
G 85.0	4137.85	2610.58	4137.85	3745.44	2654.20	3664.44	3671.45	2675.28	3787.76	4242.40
G 90.0	4372.69	2796.42	4372.69	3958.58	2823.90	3874.72	3875.10	2839.58	4022.15	4491.75

Luminaire
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27
Measurem.
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27

Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

PERCENTAGE ISOCANDLES

Projection: Equal Area Tilting Angle:0°



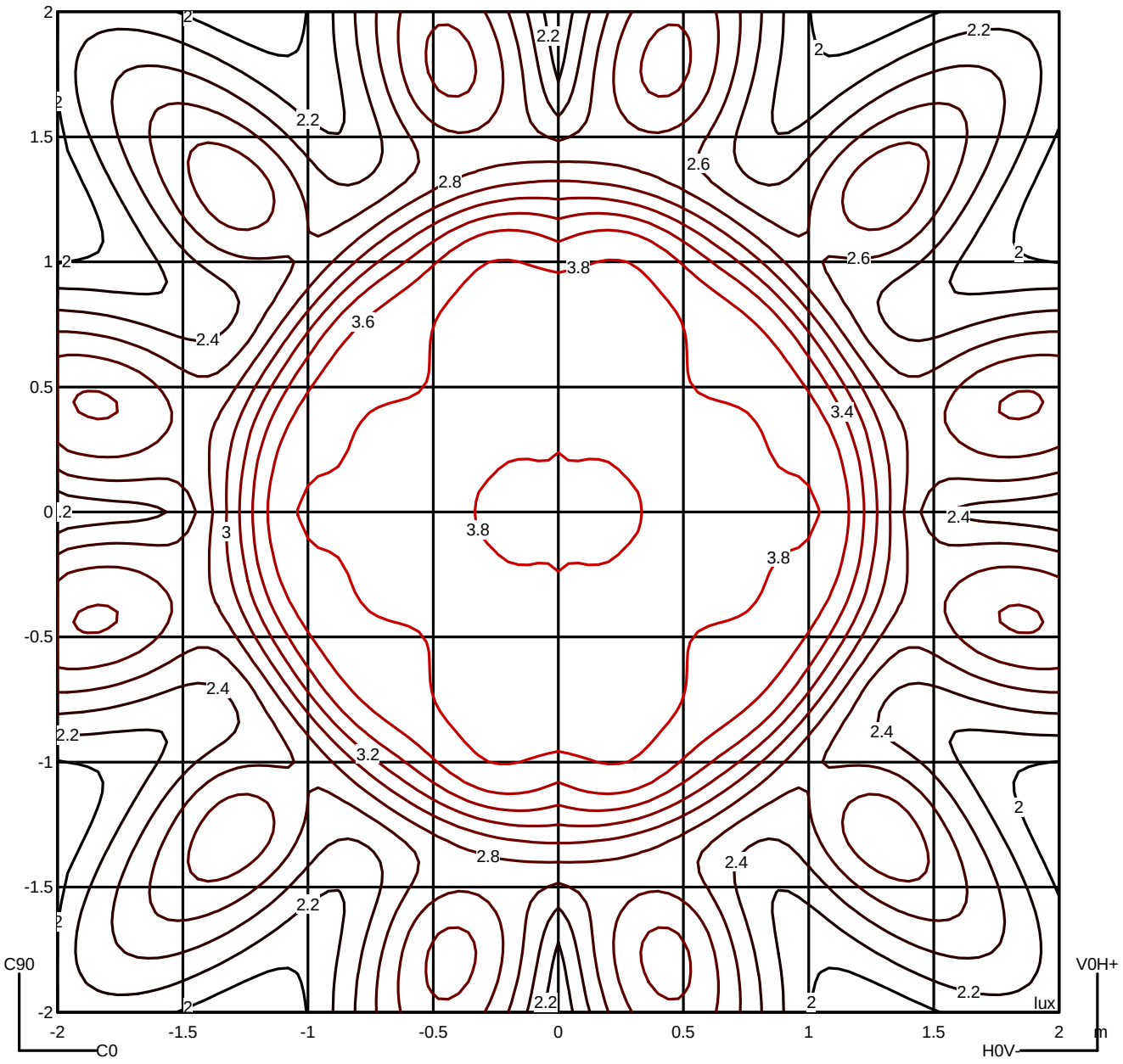
Throw: 86.2° Long

Luminaire
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27
Measurem.
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27

Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27
Measurem.
Code DE-0182-NEG
Name Colgante FORLIGHT 60W E27

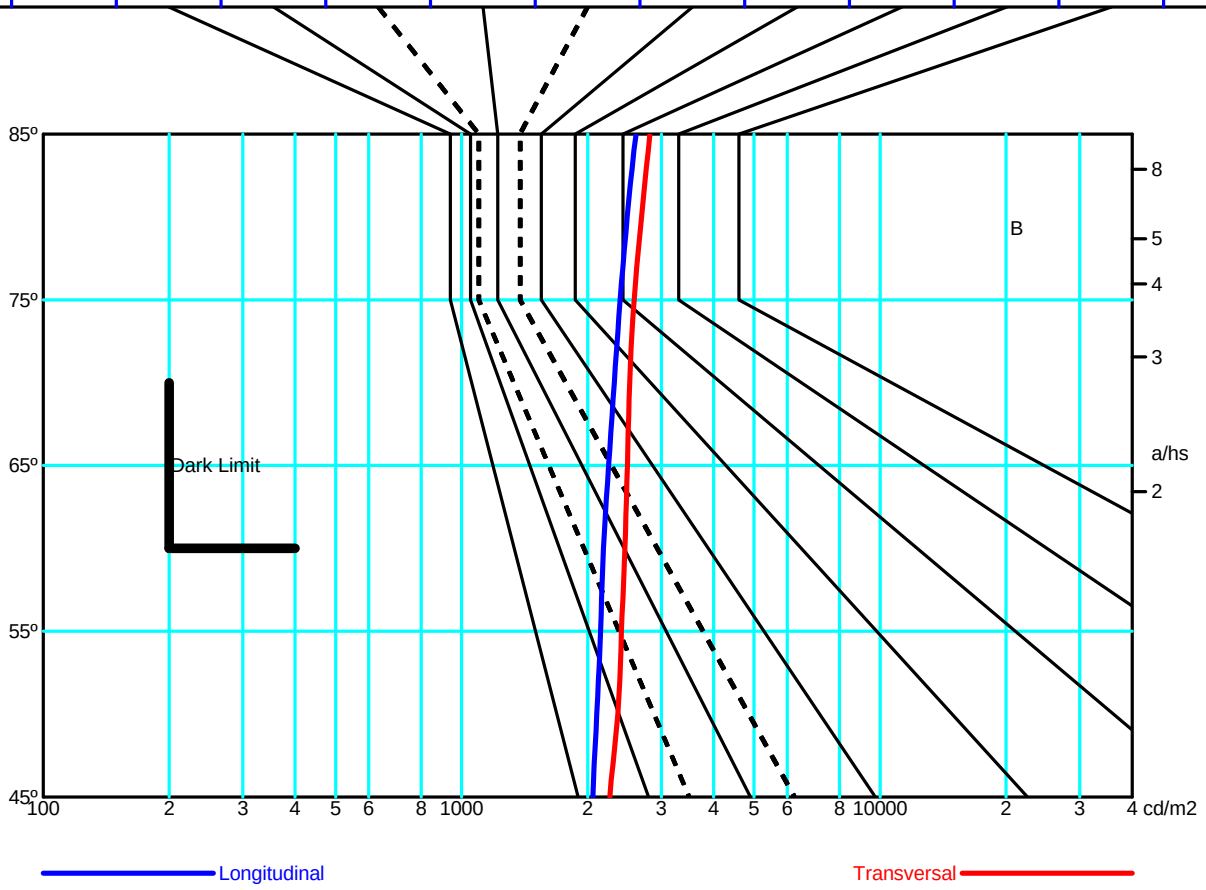
Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

Average Luminance [cd/m²]

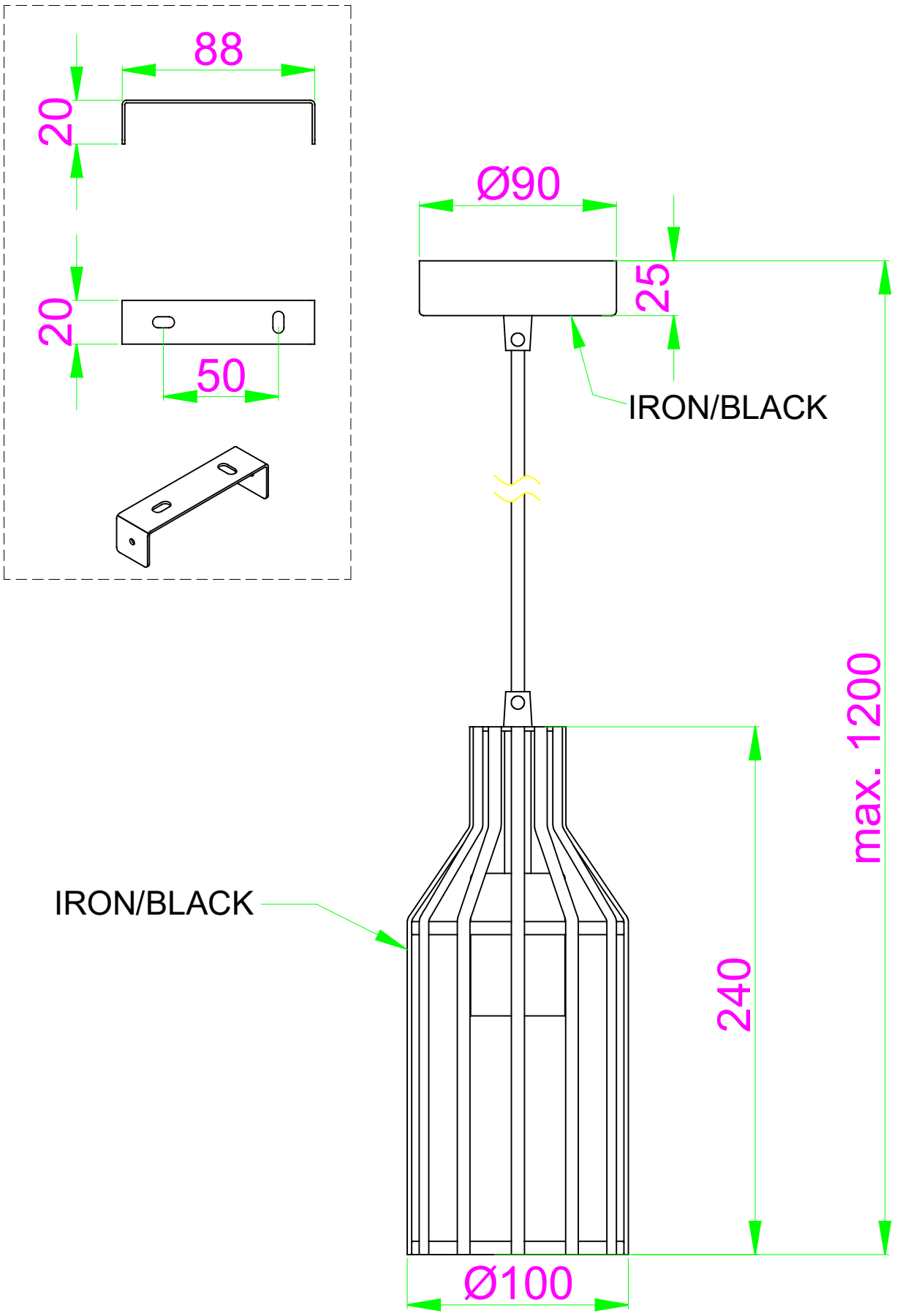
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	2260	2361	2410	2456	2489	2521	2584	2690	2818	---
90.0°	2058	2104	2147	2184	2246	2317	2393	2488	2611	---

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



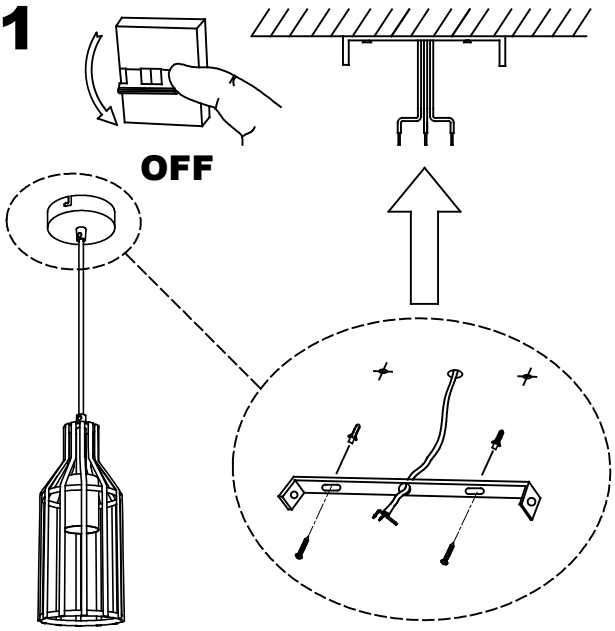
DE-0182



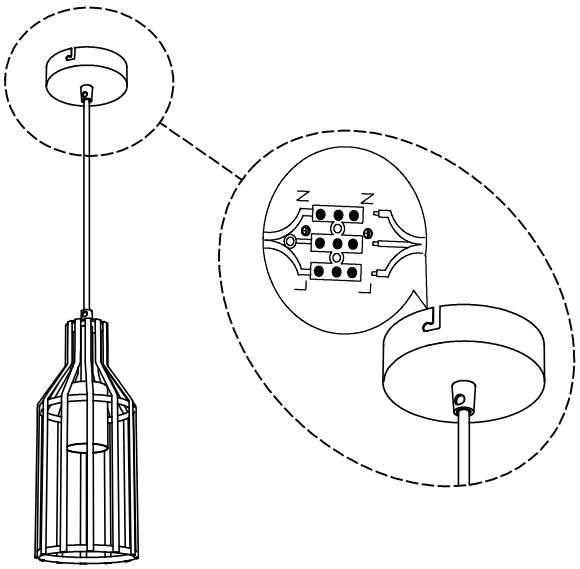
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DE-0182

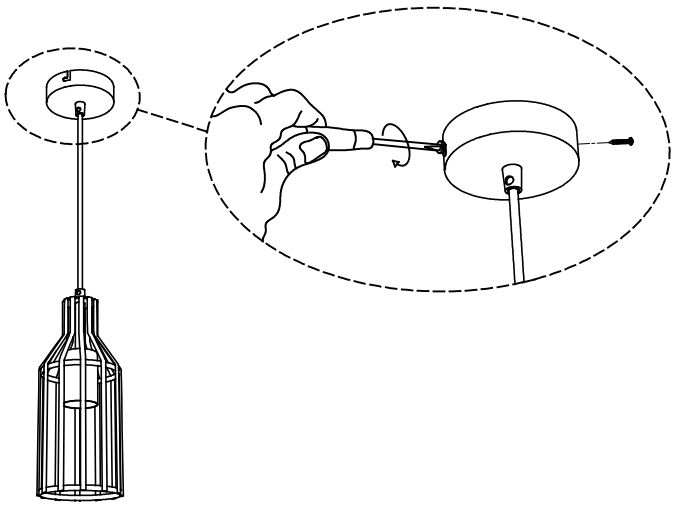
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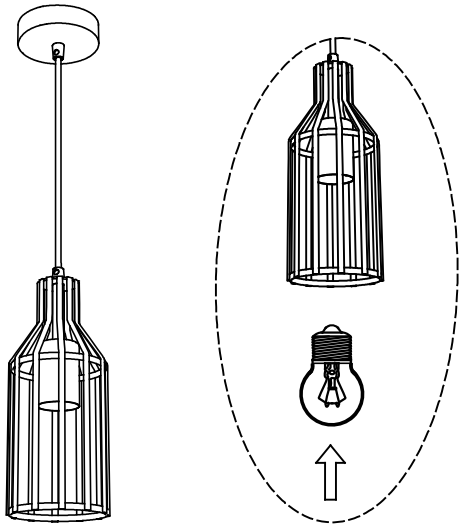
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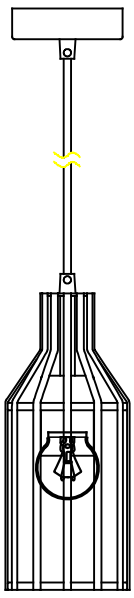
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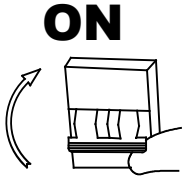


4



5





18–03–16