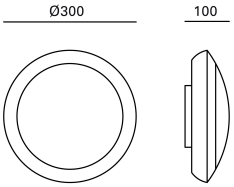
FOR LIGHT

FORD

PX-0247-NEG

Ceiling fixture IP65 FORD LED 11W 3000K Black 895lm





TECHNICAL FEATURES

IP65 IK10

Luminaire total power : 12.5W

Real lumens : 895

Nominal lumens : 1112

Real lm/W : 72

Lens / reflector angle : HORIZONTAL 109º

Structure material : Polycarbonate + ABS

Structure finish : Black

Diffuser material : Polycarbonate

Diffuser finish : Opal

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

Useful life : 36.000h L70B30

Warranty : 3 Years

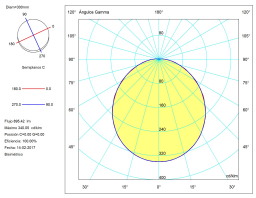
Corrosion resistance (Neutral Salt Spray test according to ISO 9227) : Yes

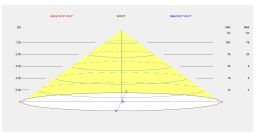
LUMINOTECHNIC FEATURES

CRI: 80

Photobiological risk: RG0

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
LED	1	11W	3000K





LOGISTICS

Net weight (kg): 0.95

Packaged weight (kg): 1.27

Packaging: 300mm x 105mm x 300mm

6 Un

LIGHT APPLICATION

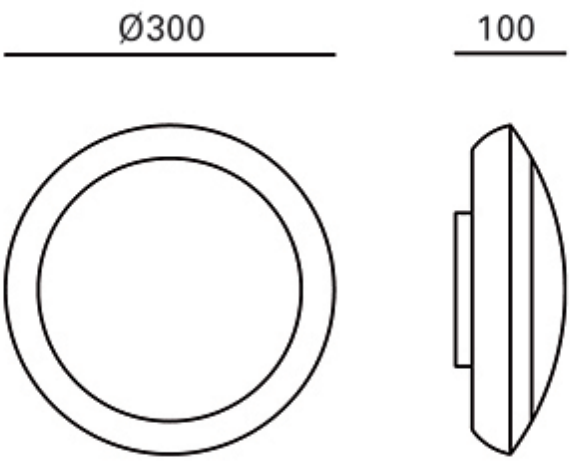


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code PX-0247-NEG
Name Plafon FORD leds 12W 3000K
Measurem.
Code CL116A17F033G
Name Plafon FORD leds 12W 3000K

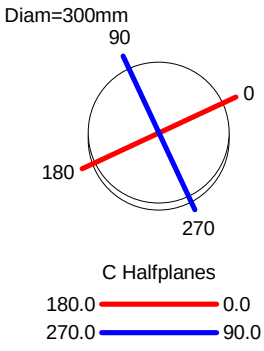
Luminaire Flux	895.42 lm	Luminaire Power	12.28 W	Efficacy	72.92 lm/W	Efficiency	100.00%
Lamps Flux	895.42 lm	Maximum value	340.05 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Round Luminaire	Diam. 300 mm	Height	100 mm
Round Luminous Area	Diam. 240 mm	Height	30 mm
Horizontal Luminous Area	0.045239 m2	Emitting area on Plane 180°	0.007200 m2
Emitting area on Plane 0°	0.007200 m2	Emitting area on Plane 270°	0.007200 m2
Emitting area on Plane 90°	0.007200 m2	Glare area at 76°	0.017930 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	06-02-2017	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	895.42 lm
Operator	Asselum T2	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

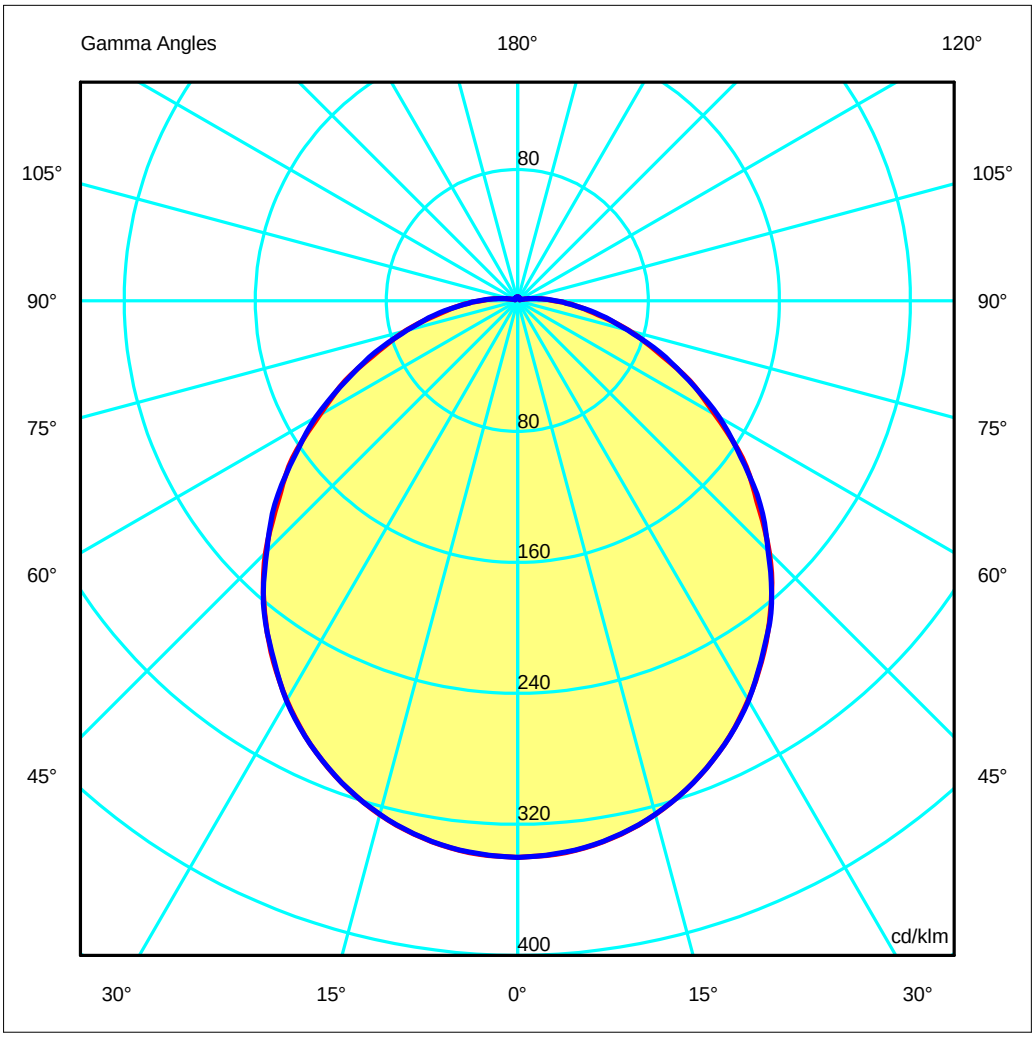
Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	PX-0247-NEG	PX-0247-NEG	895.42	12.28	1

C.I.E.	46 76 93 97 100	D DIN 5040	A31
F UTE	0.97 E + 0.03 T	B NBN	BZ 5



ULOR 2.71 %
DLOR 97.29 %
RN 2.71 %



Luminaire
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Lamps Flux	895.42 lm	Maximum value	340.05 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

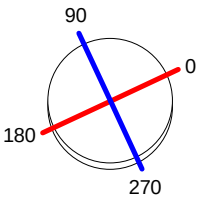
Luminous Intensity Table cd/klm **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	340.05	340.05	340.05	340.05	340.05	340.05	340.05
G 5.0	338.44	338.28	338.28	338.32	338.33	338.23	338.14
G 10.0	333.35	333.22	333.25	333.30	333.32	333.23	333.15
G 15.0	325.03	324.76	324.62	324.92	324.81	324.81	324.87
G 20.0	313.50	313.28	313.38	313.54	313.46	313.48	313.42
G 25.0	299.08	298.87	298.43	299.00	298.52	298.97	299.12
G 30.0	281.74	281.85	281.72	282.06	282.04	282.12	282.04
G 35.0	262.27	262.17	261.63	262.56	261.67	262.64	261.72
G 40.0	240.92	240.74	240.93	241.24	241.09	240.96	241.38
G 45.0	217.50	217.54	216.86	217.67	216.88	217.85	216.47
G 50.0	190.90	192.91	192.98	192.61	193.25	193.16	193.40
G 55.0	167.64	167.17	166.34	167.71	166.40	167.85	166.35
G 60.0	139.19	141.56	141.70	141.11	141.81	141.63	142.11
G 65.0	116.12	115.95	115.24	116.27	115.41	116.41	115.20
G 70.0	90.17	92.29	92.15	91.65	92.50	92.16	92.55
G 75.0	70.56	70.59	69.78	70.79	69.90	70.85	69.49
G 80.0	50.00	51.70	51.79	51.55	51.95	51.63	51.87
G 85.0	35.86	35.95	35.45	35.98	34.91	36.08	35.04
G 90.0	22.38	23.43	23.29	23.05	23.42	22.92	23.42
G 95.0	13.63	13.68	13.48	13.89	13.25	13.94	13.24
G100.0	6.64	7.05	7.08	7.09	7.26	7.07	7.40
G105.0	3.27	3.26	3.17	3.32	3.22	3.50	3.37
G110.0	1.63	1.62	1.62	1.65	1.76	1.74	1.81
G115.0	1.45	1.46	1.44	1.46	1.45	1.45	1.42
G120.0	1.52	1.52	1.52	1.52	1.52	1.52	1.52
G125.0	1.62	1.60	1.62	1.62	1.62	1.61	1.62
G130.0	1.71	1.70	1.70	1.71	1.68	1.71	1.71
G135.0	1.81	1.80	1.80	1.80	1.78	1.79	1.78
G140.0	1.89	1.88	1.88	1.89	1.88	1.89	1.87
G145.0	1.96	1.96	1.95	1.94	1.96	1.94	1.96
G150.0	2.05	2.02	2.01	2.04	2.01	2.01	2.01
G155.0	2.07	2.07	2.06	2.09	2.08	2.06	2.06
G160.0	2.15	2.12	2.13	2.14	2.11	2.13	2.11
G165.0	2.20	2.18	2.16	2.18	2.17	2.16	2.16
G170.0	2.25	2.22	2.23	2.23	2.22	2.22	2.21
G175.0	2.29	2.28	2.28	2.27	2.29	2.27	2.26
G180.0	2.31	2.31	2.31	2.31	2.31	2.31	2.31

Luminaire
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Measurem.
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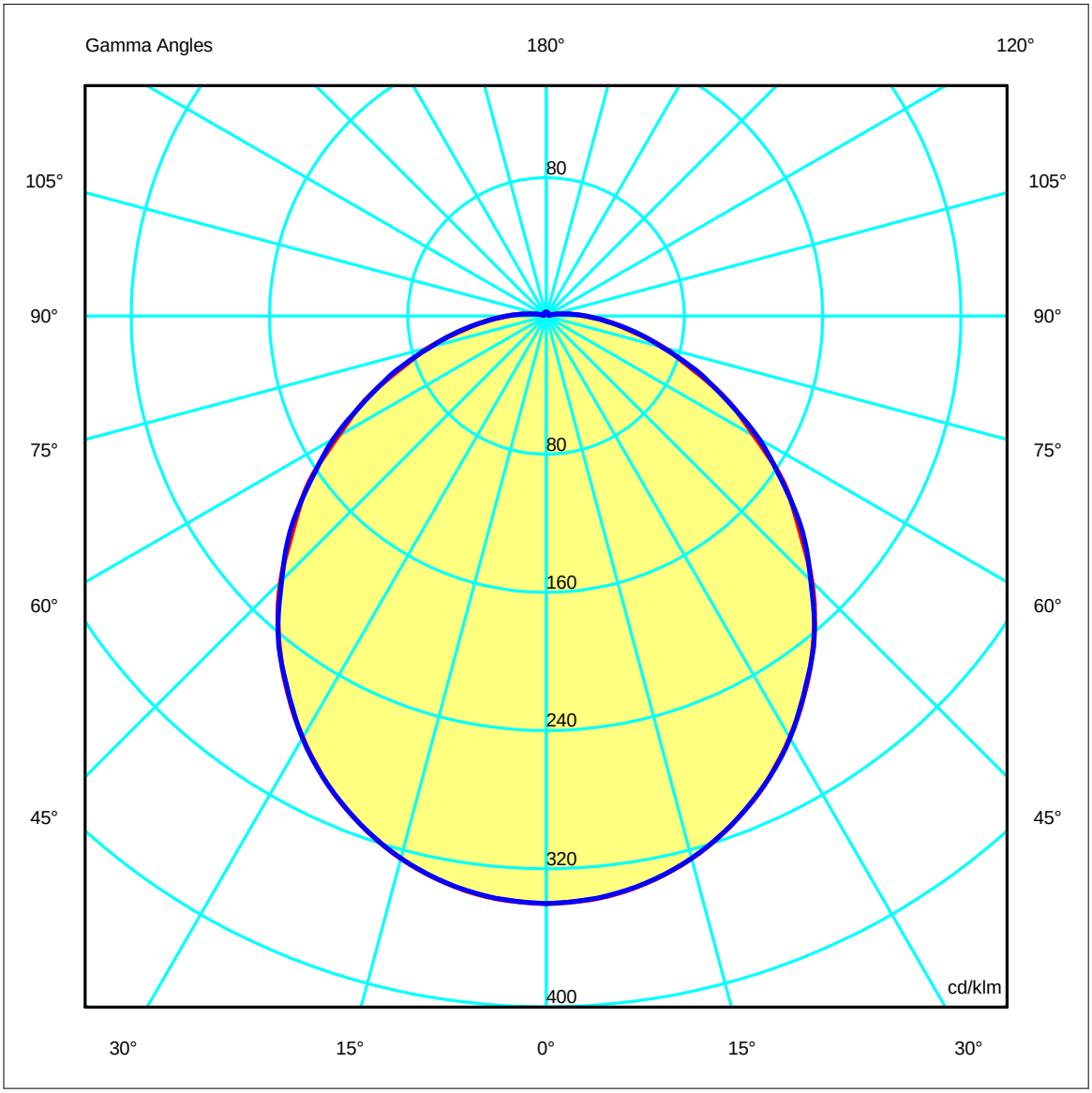
Luminaire Flux	895.42 lm	Luminaire Power	12.28 W	Efficacy	72.92 lm/W	Efficiency	100.00%
Lamps Flux	895.42 lm	Maximum value	340.05 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=300mm



C Halfplanes





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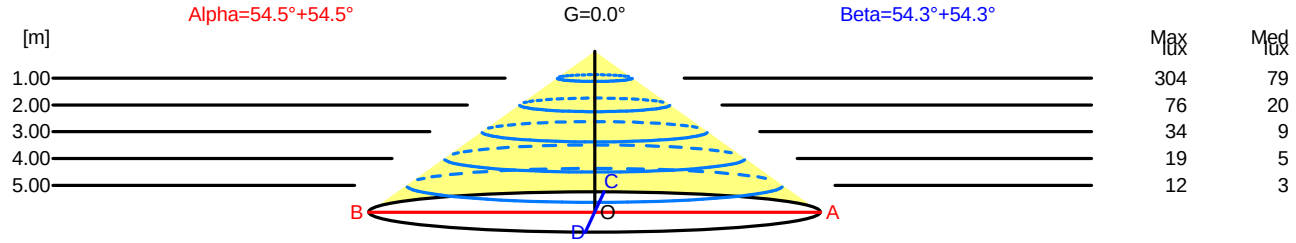
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Lamps Flux	895.42 lm	Maximum value	340.05 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.40	2.81	4.21	5.61	7.02	OC	1.39	2.78	4.18	5.57	6.96
OB	1.40	2.81	4.21	5.61	7.02	OD	1.39	2.78	4.18	5.57	6.96

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	304.49	303.05	291.04	267.80	234.84	194.75	150.11	103.98	63.18	32.11
OB	304.49	303.05	291.04	267.80	234.84	194.75	150.11	103.98	63.18	32.11
OC	304.49	302.78	290.89	267.84	234.35	193.83	148.95	103.15	62.22	31.37
OD	304.49	302.78	290.89	267.84	234.35	193.83	148.95	103.15	62.22	31.37



H[m]	D[m]	Max lux	Med lux	Alpha=54.5°+54.5° G=0.0
1.00	2.81	304	79	
2.00	5.61	76	20	
3.00	8.42	34	9	
4.00	11.22	19	5	
5.00	14.03	12	3	

H[m]	D[m]	Max lux	Med lux	Beta=54.3°+54.3° G=0.0
1.00	2.78	304	79	
2.00	5.57	76	20	
3.00	8.35	34	9	
4.00	11.14	19	5	
5.00	13.92	12	3	

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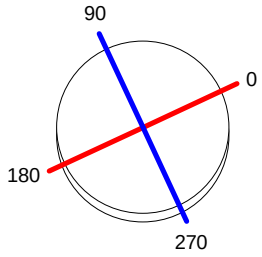
UGR
S = 0.250

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	17.5	18.8	17.8	19.1	19.4	17.5	18.8	17.9	19.1	19.4
x=2H y=3H	19.0	20.2	19.4	20.5	20.9	19.0	20.2	19.4	20.5	20.9
x=2H y=4H	19.7	20.8	20.1	21.1	21.5	19.7	20.8	20.1	21.2	21.5
x=2H y=6H	20.2	21.3	20.6	21.6	22.0	20.3	21.3	20.7	21.7	22.0
x=2H y=8H	20.5	21.5	20.9	21.8	22.3	20.5	21.5	20.9	21.9	22.3
x=2H y=12H	20.7	21.6	21.1	22.0	22.4	20.7	21.7	21.1	22.0	22.4
x=4H y=2H	18.2	19.3	18.6	19.7	20.0	18.2	19.3	18.6	19.7	20.0
x=4H y=3H	19.9	20.9	20.3	21.3	21.7	19.9	20.9	20.4	21.3	21.7
x=4H y=4H	20.7	21.6	21.1	22.0	22.4	20.7	21.6	21.2	22.0	22.4
x=4H y=6H	21.4	22.2	21.9	22.6	23.1	21.4	22.2	21.9	22.6	23.1
x=4H y=8H	21.7	22.4	22.2	22.9	23.4	21.7	22.4	22.2	22.9	23.4
x=4H y=12H	22.0	22.7	22.5	23.1	23.6	22.0	22.7	22.5	23.1	23.6
x=8H y=4H	21.1	21.8	21.5	22.2	22.7	21.1	21.8	21.6	22.2	22.7
x=8H y=6H	22.0	22.5	22.5	23.0	23.5	22.0	22.5	22.5	23.0	23.5
x=8H y=8H	22.4	22.9	22.9	23.4	23.9	22.4	22.9	22.9	23.4	23.9
x=8H y=12H	22.8	23.2	23.3	23.7	24.3	22.8	23.2	23.3	23.8	24.3
x=12H y=4H	21.1	21.8	21.6	22.2	22.7	21.1	21.8	21.6	22.2	22.7
x=12H y=6H	22.1	22.6	22.6	23.1	23.6	22.1	22.6	22.6	23.1	23.6
x=12H y=8H	22.5	23.0	23.1	23.5	24.1	22.6	23.0	23.1	23.5	24.1

Luminaire
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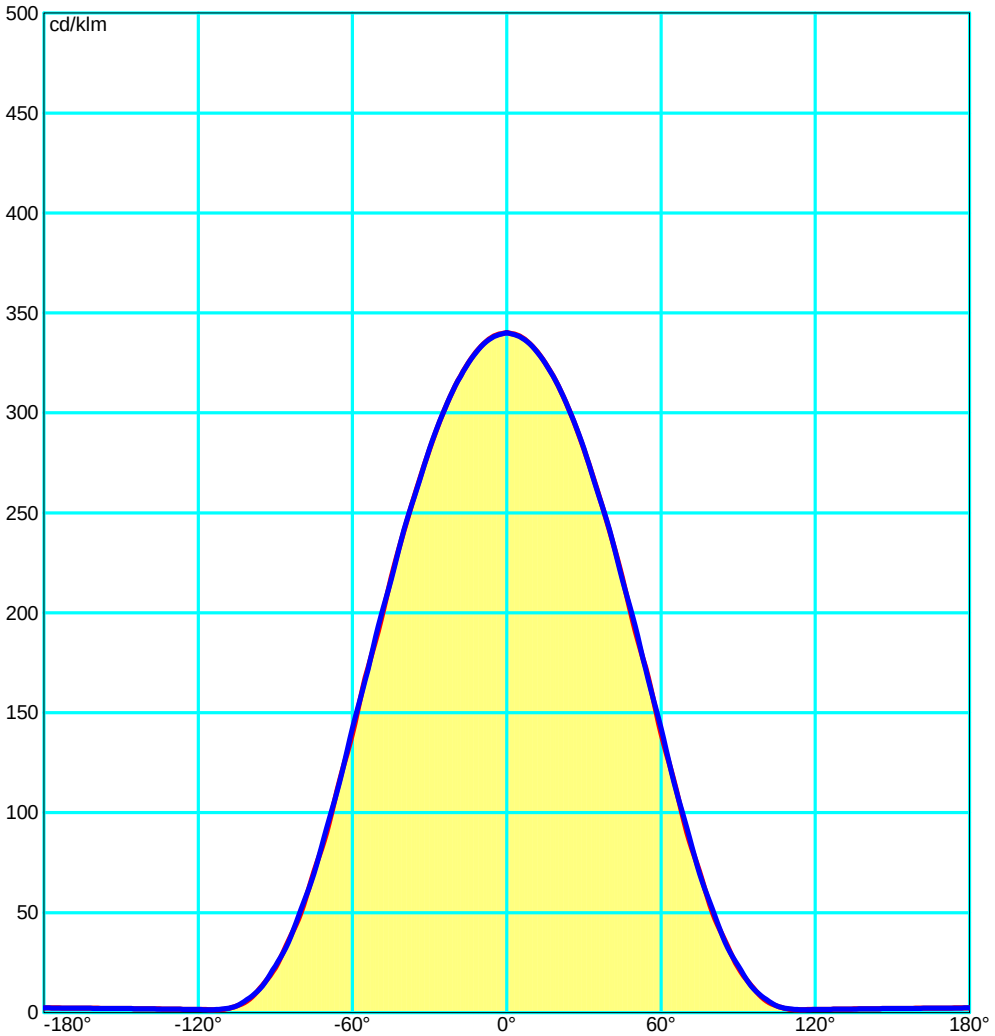
Luminaire Flux	895.42 lm	Luminaire Power	12.28 W	Efficacy	72.92 lm/W	Efficiency	100.00%
Lamps Flux	895.42 lm	Maximum value	340.05 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=300mm



C Halfplanes

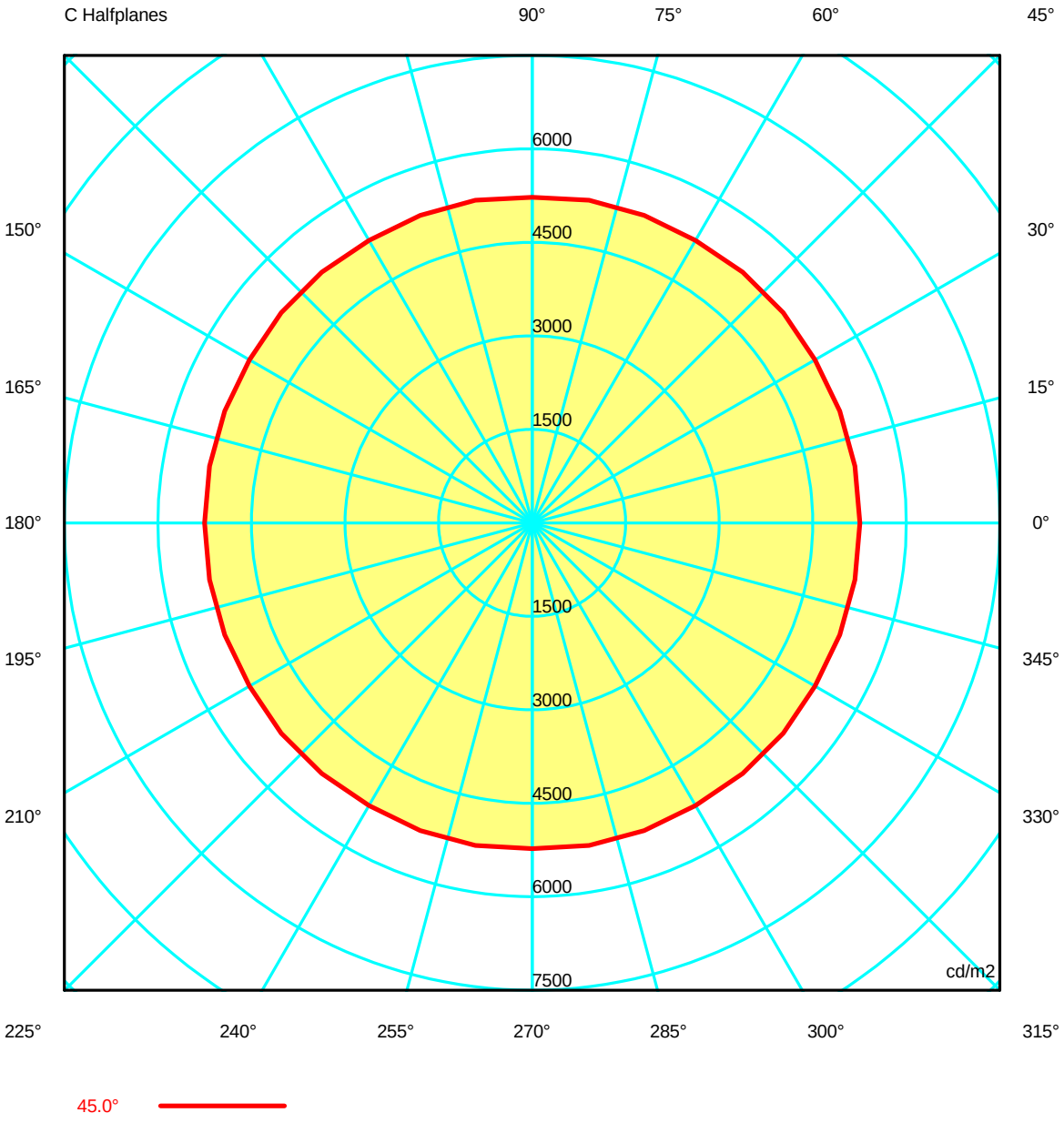
180.0 0.0
270.0 90.0



Luminaire
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Luminance



Luminaire
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Measurem.
Code CL116A17F033G
Name Plafon FORD leds 12W 3000K

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Lamps Flux	895.42 lm	Maximum value	340.05 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	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69
G 5.0	6632.08	6629.62	6628.59	6628.93	6629.38	6629.90	6629.94	6628.64	6627.20	6626.22	6627.20	6628.64	6629.94
G 10.0	6516.85	6514.88	6514.27	6514.93	6515.63	6516.26	6516.34	6515.22	6513.95	6513.08	6513.95	6515.22	6516.34
G 15.0	6387.85	6384.38	6380.84	6379.85	6384.07	6385.02	6383.53	6383.22	6384.04	6384.74	6384.04	6383.22	6383.53
G 20.0	6241.77	6238.29	6237.46	6239.51	6242.07	6242.38	6241.11	6241.26	6241.23	6240.14	6241.23	6241.26	6241.11
G 25.0	6080.37	6078.84	6071.96	6067.14	6075.89	6076.65	6069.05	6074.11	6079.25	6081.31	6079.25	6074.11	6069.05
G 30.0	5897.35	5899.59	5898.30	5896.85	5901.69	5903.81	5903.50	5904.71	5905.26	5903.59	5905.26	5904.71	5903.50
G 35.0	5701.82	5700.38	5693.82	5687.99	5703.85	5702.79	5688.72	5702.81	5708.59	5689.82	5708.59	5702.81	5688.72
G 40.0	5491.54	5488.18	5487.92	5491.70	5497.30	5498.84	5495.47	5492.31	5494.49	5501.93	5494.49	5492.31	5495.47
G 45.0	5252.29	5256.06	5247.84	5236.86	5252.14	5251.02	5237.35	5254.15	5256.79	5227.40	5256.79	5254.15	5237.35
G 50.0	4941.19	4980.19	4998.79	4995.07	4988.69	4989.96	5001.87	5000.38	5000.21	5005.91	5000.21	5000.38	5001.87
G 55.0	4713.59	4708.14	4688.12	4676.94	4707.53	4705.47	4678.79	4706.50	4716.45	4677.20	4716.45	4706.50	4678.79
G 60.0	4319.45	4374.37	4401.78	4397.11	4381.23	4384.50	4400.53	4397.62	4397.07	4409.85	4397.07	4397.62	4400.53
G 65.0	4054.71	4050.58	4036.83	4023.96	4051.68	4052.16	4029.86	4053.92	4060.51	4022.48	4060.51	4053.92	4029.86
G 70.0	3630.78	3695.67	3723.09	3710.36	3690.60	3700.27	3724.43	3716.77	3711.51	3726.28	3711.51	3716.77	3724.43
G 75.0	3385.38	3393.31	3373.66	3347.87	3385.05	3385.49	3353.60	3385.46	3391.39	3333.76	3391.39	3385.46	3353.60
G 80.0	2995.70	3071.91	3108.52	3102.85	3088.41	3095.80	3112.07	3099.96	3093.21	3107.49	3093.21	3099.96	3112.07
G 85.0	2889.15	2901.57	2878.28	2856.12	2895.17	2870.13	2812.24	2876.04	2902.14	2822.45	2902.14	2876.04	2812.24
G 90.0	2782.91	2883.69	2921.68	2895.85	2865.65	2884.08	2912.35	2869.12	2855.79	2912.18	2855.79	2869.12	2912.35

Luminaire
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Lamps Flux	895.42 lm	Maximum value	340.05 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	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69
G 5.0	6629.90	6629.38	6628.93	6628.59	6629.62	6632.08	6629.62	6628.59	6628.93	6629.38	6629.90	6629.94	6628.64
G 10.0	6516.26	6515.63	6514.93	6514.27	6514.88	6516.85	6514.88	6514.27	6514.93	6515.63	6516.26	6516.34	6515.22
G 15.0	6385.02	6384.07	6379.85	6380.84	6384.38	6387.85	6384.38	6380.84	6379.85	6384.07	6385.02	6383.53	6383.22
G 20.0	6242.38	6242.07	6239.51	6237.46	6238.29	6241.77	6238.29	6237.46	6239.51	6242.07	6242.38	6241.11	6241.26
G 25.0	6076.65	6075.89	6067.14	6071.96	6078.84	6080.37	6078.84	6071.96	6067.14	6075.89	6076.65	6069.05	6074.11
G 30.0	5903.81	5901.69	5896.85	5898.30	5899.59	5897.35	5899.59	5898.30	5896.85	5901.69	5903.81	5903.50	5904.71
G 35.0	5702.79	5703.85	5687.99	5693.82	5700.38	5701.82	5700.38	5693.82	5687.99	5703.85	5702.79	5688.72	5702.81
G 40.0	5498.84	5497.30	5491.70	5487.92	5488.18	5491.54	5488.18	5487.92	5491.70	5497.30	5498.84	5495.47	5492.31
G 45.0	5251.02	5252.14	5236.86	5247.84	5256.06	5252.29	5256.06	5247.84	5236.86	5252.14	5251.02	5237.35	5254.15
G 50.0	4989.96	4988.69	4995.07	4998.79	4980.19	4941.19	4980.19	4998.79	4995.07	4988.69	4989.96	5001.87	5000.38
G 55.0	4705.47	4707.53	4676.94	4688.12	4708.14	4713.59	4708.14	4688.12	4676.94	4707.53	4705.47	4678.79	4706.50
G 60.0	4384.50	4381.23	4397.11	4401.78	4374.37	4319.45	4374.37	4401.78	4397.11	4381.23	4384.50	4400.53	4397.62
G 65.0	4052.16	4051.68	4023.96	4036.83	4050.58	4054.71	4050.58	4036.83	4023.96	4051.68	4052.16	4029.86	4053.92
G 70.0	3700.27	3690.60	3710.36	3723.09	3695.67	3630.78	3695.67	3723.09	3710.36	3690.60	3700.27	3724.43	3716.77
G 75.0	3385.49	3385.05	3347.87	3373.66	3393.31	3385.38	3393.31	3373.66	3347.87	3385.05	3385.49	3353.60	3385.46
G 80.0	3095.80	3088.41	3102.85	3108.52	3071.91	2995.70	3071.91	3108.52	3102.85	3088.41	3095.80	3112.07	3099.96
G 85.0	2870.13	2895.17	2856.12	2878.28	2901.57	2889.15	2901.57	2878.28	2856.12	2895.17	2870.13	2812.24	2876.04
G 90.0	2884.08	2865.65	2895.85	2921.68	2883.69	2782.91	2883.69	2921.68	2895.85	2865.65	2884.08	2912.35	2869.12

Luminaire
Code PX-0247-NEG
Name Plafon FORD leds 12W 3000K
Measurem.
Code CL116A17F033G
Name Plafon FORD leds 12W 3000K

Luminaire Flux	895.42 lm	Luminaire Power	12.28 W	Efficacy	72.92 lm/W	Efficiency 100.00%
Lamps Flux	895.42 lm	Maximum value	340.05 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical

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

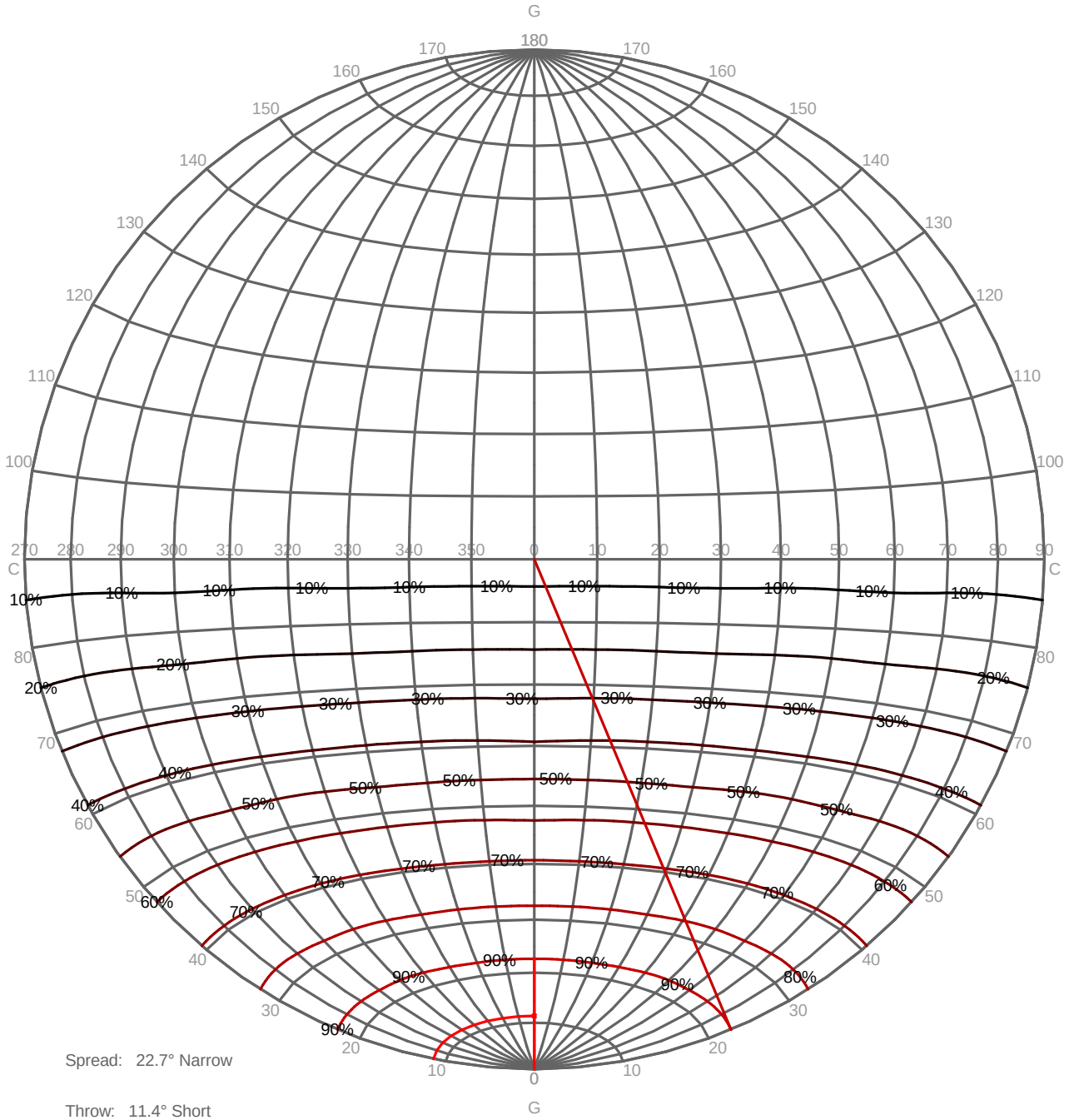
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69	6730.69
G 5.0	6627.20	6626.22	6627.20	6628.64	6629.94	6629.90	6629.38	6628.93	6628.59	6629.62
G 10.0	6513.95	6513.08	6513.95	6515.22	6516.34	6516.26	6515.63	6514.93	6514.27	6514.88
G 15.0	6384.04	6384.74	6384.04	6383.22	6383.53	6385.02	6384.07	6379.85	6380.84	6384.38
G 20.0	6241.23	6240.14	6241.23	6241.26	6241.11	6242.38	6242.07	6239.51	6237.46	6238.29
G 25.0	6079.25	6081.31	6079.25	6074.11	6069.05	6076.65	6075.89	6067.14	6071.96	6078.84
G 30.0	5905.26	5903.59	5905.26	5904.71	5903.50	5903.81	5901.69	5896.85	5898.30	5899.59
G 35.0	5708.59	5689.82	5708.59	5702.81	5688.72	5702.79	5703.85	5687.99	5693.82	5700.38
G 40.0	5494.49	5501.93	5494.49	5492.31	5495.47	5498.84	5497.30	5491.70	5487.92	5488.18
G 45.0	5256.79	5227.40	5256.79	5254.15	5237.35	5251.02	5252.14	5236.86	5247.84	5256.06
G 50.0	5000.21	5005.91	5000.21	5000.38	5001.87	4989.96	4988.69	4995.07	4998.79	4980.19
G 55.0	4716.45	4677.20	4716.45	4706.50	4678.79	4705.47	4707.53	4676.94	4688.12	4708.14
G 60.0	4397.07	4409.85	4397.07	4397.62	4400.53	4384.50	4381.23	4397.11	4401.78	4374.37
G 65.0	4060.51	4022.48	4060.51	4053.92	4029.86	4052.16	4051.68	4023.96	4036.83	4050.58
G 70.0	3711.51	3726.28	3711.51	3716.77	3724.43	3700.27	3690.60	3710.36	3723.09	3695.67
G 75.0	3391.39	3333.76	3391.39	3385.46	3353.60	3385.49	3385.05	3347.87	3373.66	3393.31
G 80.0	3093.21	3107.49	3093.21	3099.96	3112.07	3095.80	3088.41	3102.85	3108.52	3071.91
G 85.0	2902.14	2822.45	2902.14	2876.04	2812.24	2870.13	2895.17	2856.12	2878.28	2901.57
G 90.0	2855.79	2912.18	2855.79	2869.12	2912.35	2884.08	2865.65	2895.85	2921.68	2883.69

Luminaire
Code PX-0247-NEG
Name Plafon FORD leds 12W 3000K
Measurem.
Code CL116A17F033G
Name Plafon FORD leds 12W 3000K

Luminaire Flux	895.42 lm	Luminaire Power	12.28 W	Efficacy	72.92 lm/W	Efficiency	100.00%
Lamps Flux	895.42 lm	Maximum value	340.05 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI 6.8 Tight Tilting Angle:0°



Spread: 22.7° Narrow

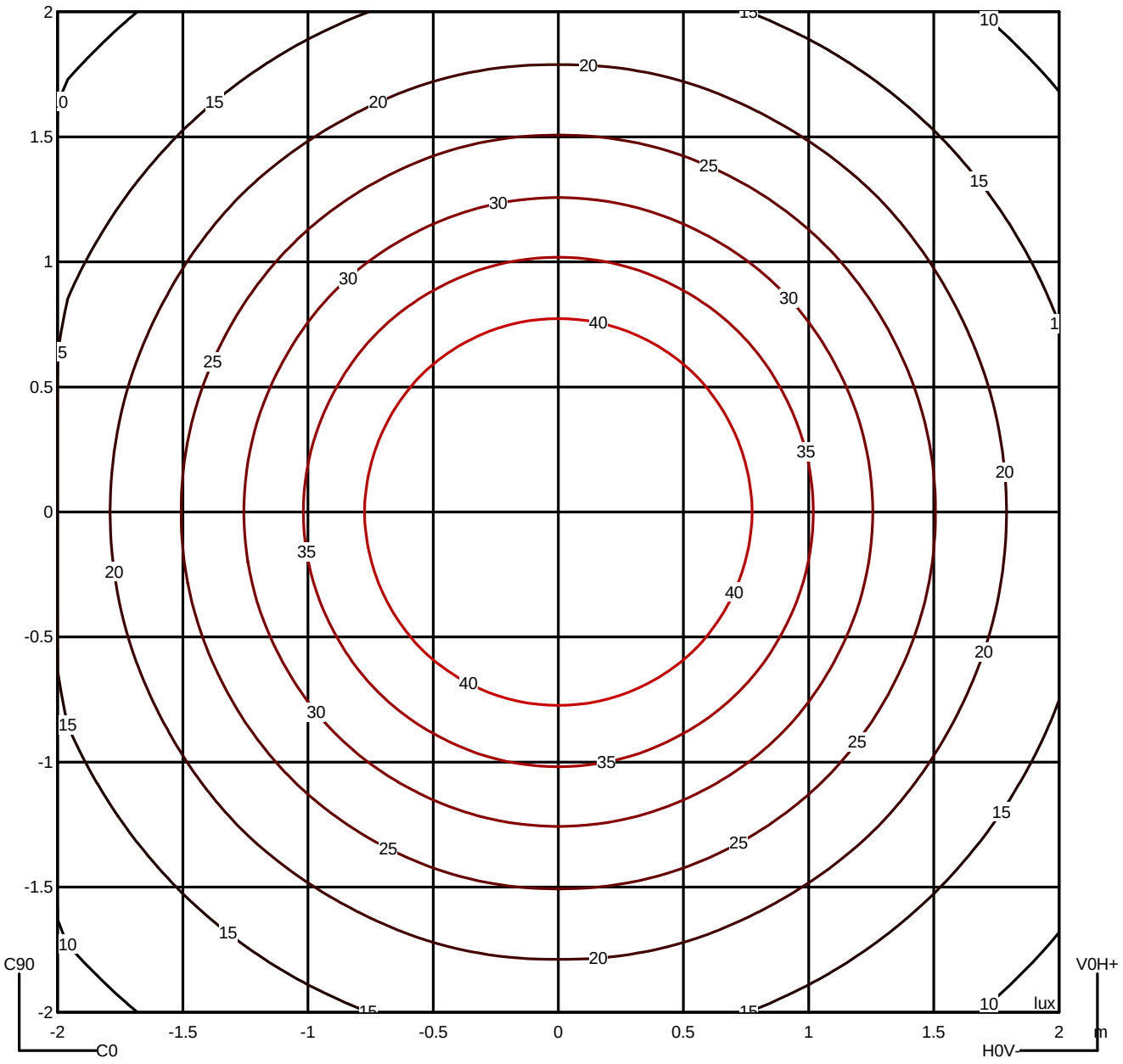
Throw: 11.4° Short

Luminaire
Code PX-0247-NEG
Name Plafon FORD leds 12W 3000K
Measurem.
Code CL116A17F033G
Name Plafon FORD leds 12W 3000K

Luminaire Flux	895.42 lm	Luminaire Power	12.28 W	Efficacy	72.92 lm/W	Efficiency	100.00%
Lamps Flux	895.42 lm	Maximum value	340.05 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 PX-0247-NEG
Name Plafon FORD leds 12W 3000K
Measurem.
Code CL116A17F033G
Name Plafon FORD leds 12W 3000K

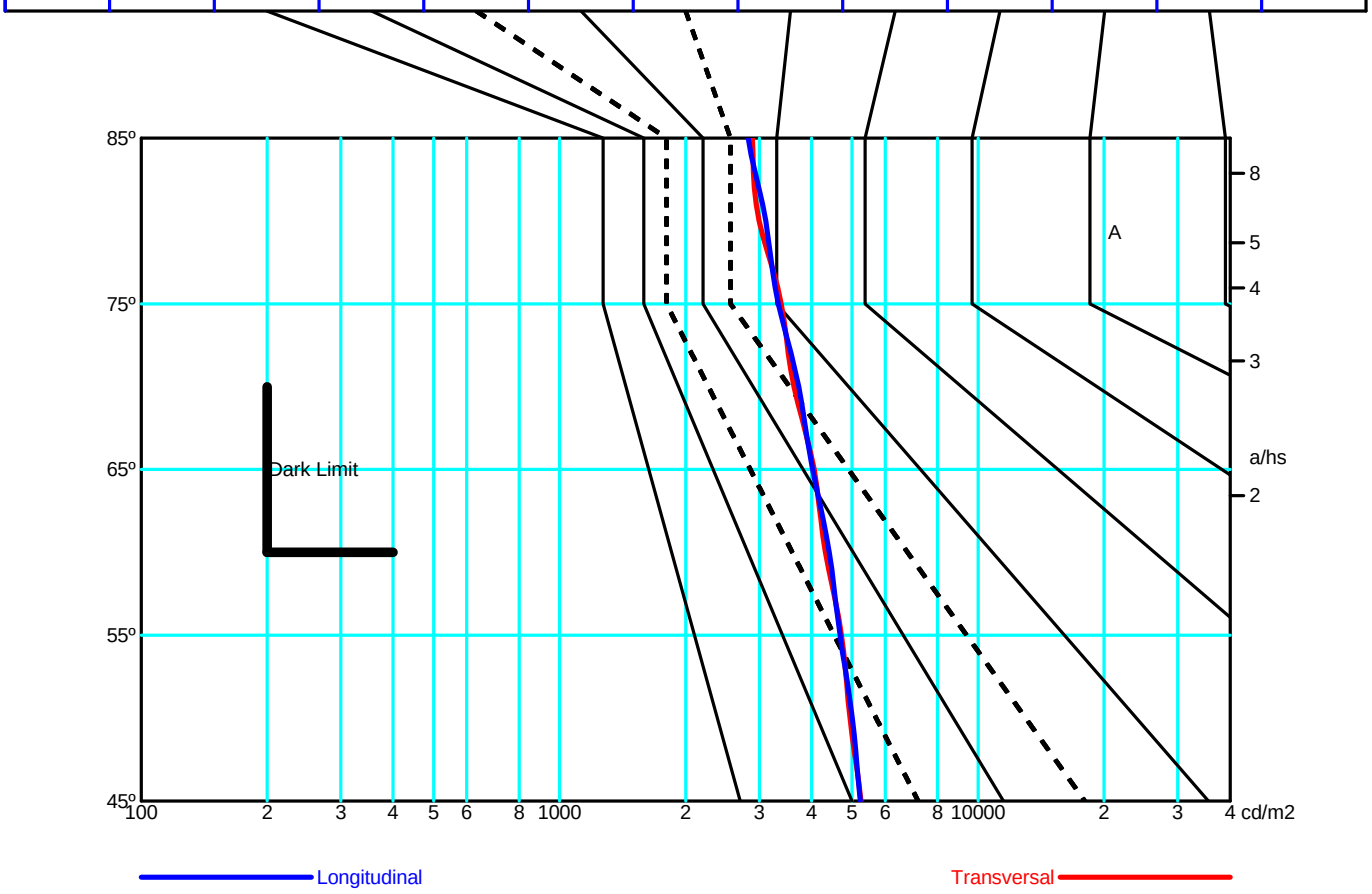
Luminaire Flux	895.42 lm	Luminaire Power	12.28 W	Efficacy	72.92 lm/W	Efficiency	100.00%
Lamps Flux	895.42 lm	Maximum value	340.05 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

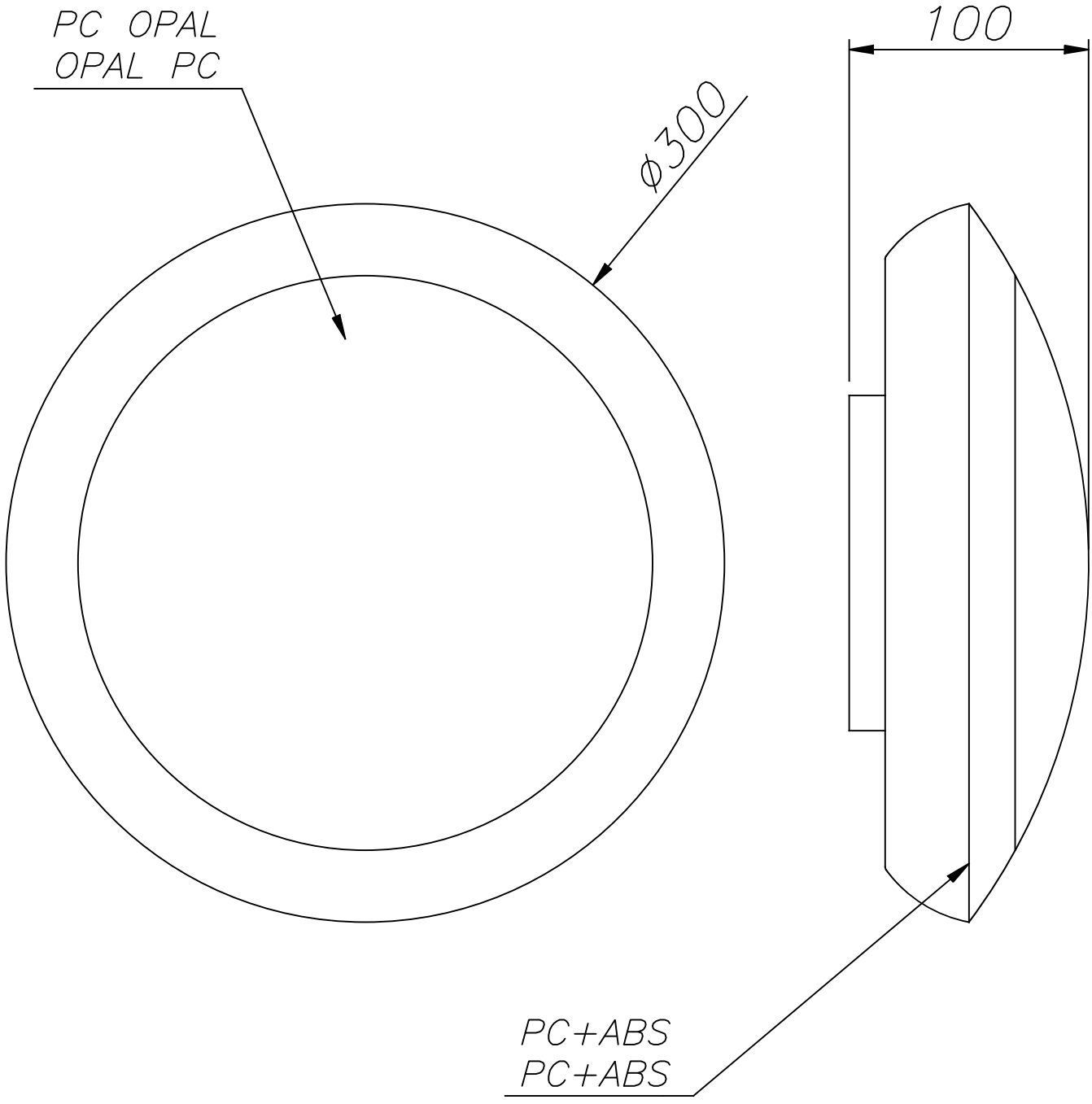
Average Luminance [cd/m²]

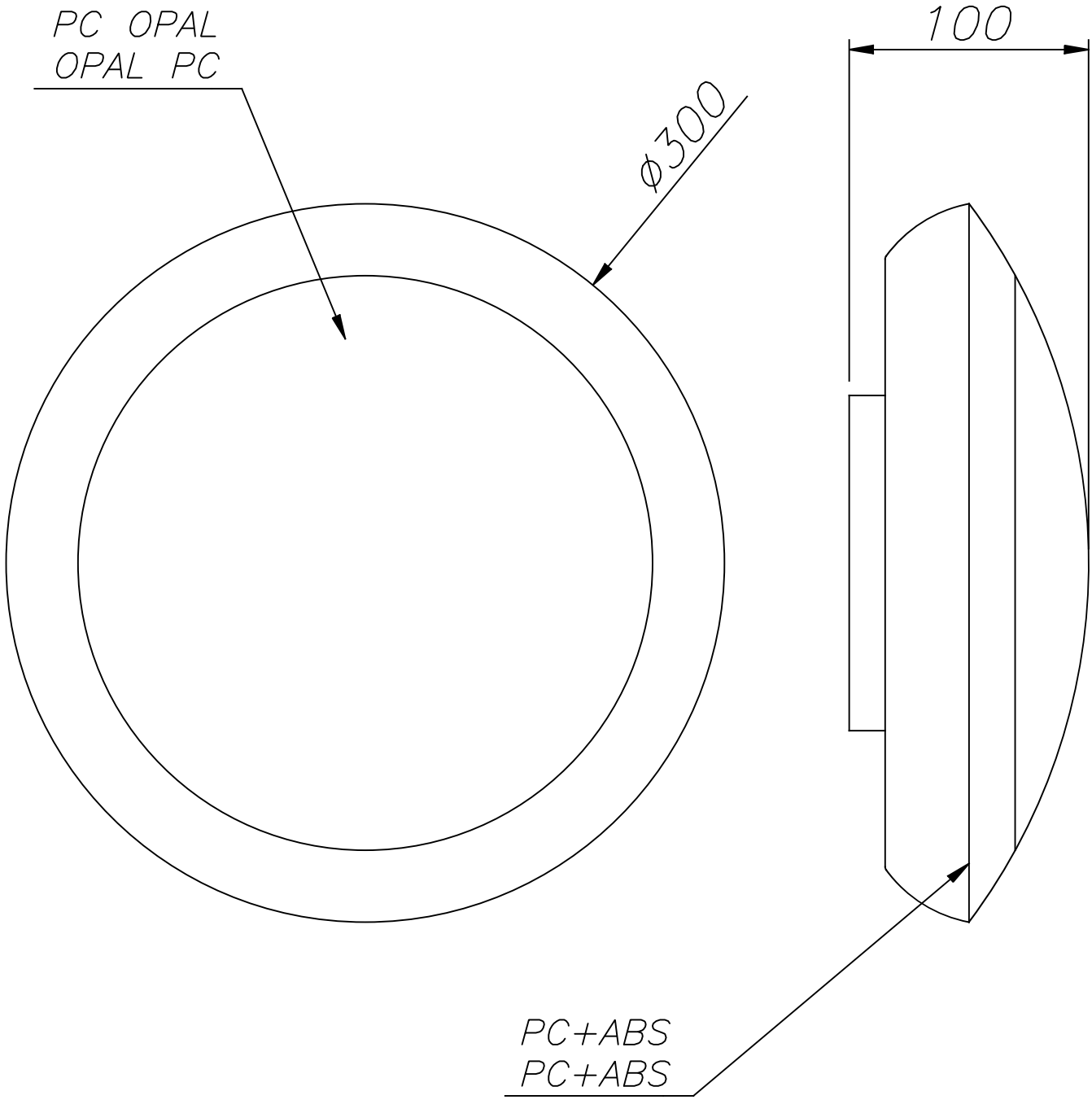
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	5252	4941	4714	4319	4055	3631	3385	2996	2889	---
90.0°	5227	5006	4677	4410	4022	3726	3334	3107	2822	---

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




PC OPAL
OPAL PC
ø300
100
PC+ABS
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