

**ARA Aplique**



**Descripción**

Aplique para iluminar hacia arriba y hacia abajo

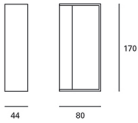
Apto para instalar en primera línea de mar. Apto para instalar en ambientes con atmósfera marina. Material estructura: Policarbonato + ABS. Acabado estructura: Blanco. Material palas: . Acabados palas: NA. Material difusor: Policarbonato. Acabado difusor: Opal. Garantía: 5 Años.

**Acabado**

Blanco  
Opal  
NA

**Material**

Policarbonato + ABS  
Policarbonato



**CARACTERÍSTICAS TÉCNICAS**

**Fuente de luz**

Fuente de luz: LED SUNPU  
Potencia (W): 7.2W  
Consumo total (W): 9.3 W  
Temperatura de color: Blanco cálido - 3000K  
CRI: 80  
Riesgo fotobiológico: RG0  
Lumens reales: 471  
Nº Leds: 52  
Lm/W reales: 51  
Vida útil: 36.000h L70B30  
Bin / Grup: W9  
UGR: 14.8

**EQUIPO**

Marca: SINOBASE  
Equipo incluido: Si, electrónico  
Voltaje / Frecuencia: 100-240 VAC  
Factor de potencia: 0.53  
Flickering: 7.2%

**Luminaria**

Seaside: Sí  
Garantía: 5 Años

**Logística**

Eficiencia energética: LED A++  
EAN: 8435381493721  
Peso neto (Kg): 0.300  
Peso en Kg (embalado): 0.395  
Box: 180 x 50 x 85  
Masterbox: 40

El acabado de la fotografía puede no coincidir con el de la referencia. Para identificar el real ver descripción del acabado.

**Luminaire**

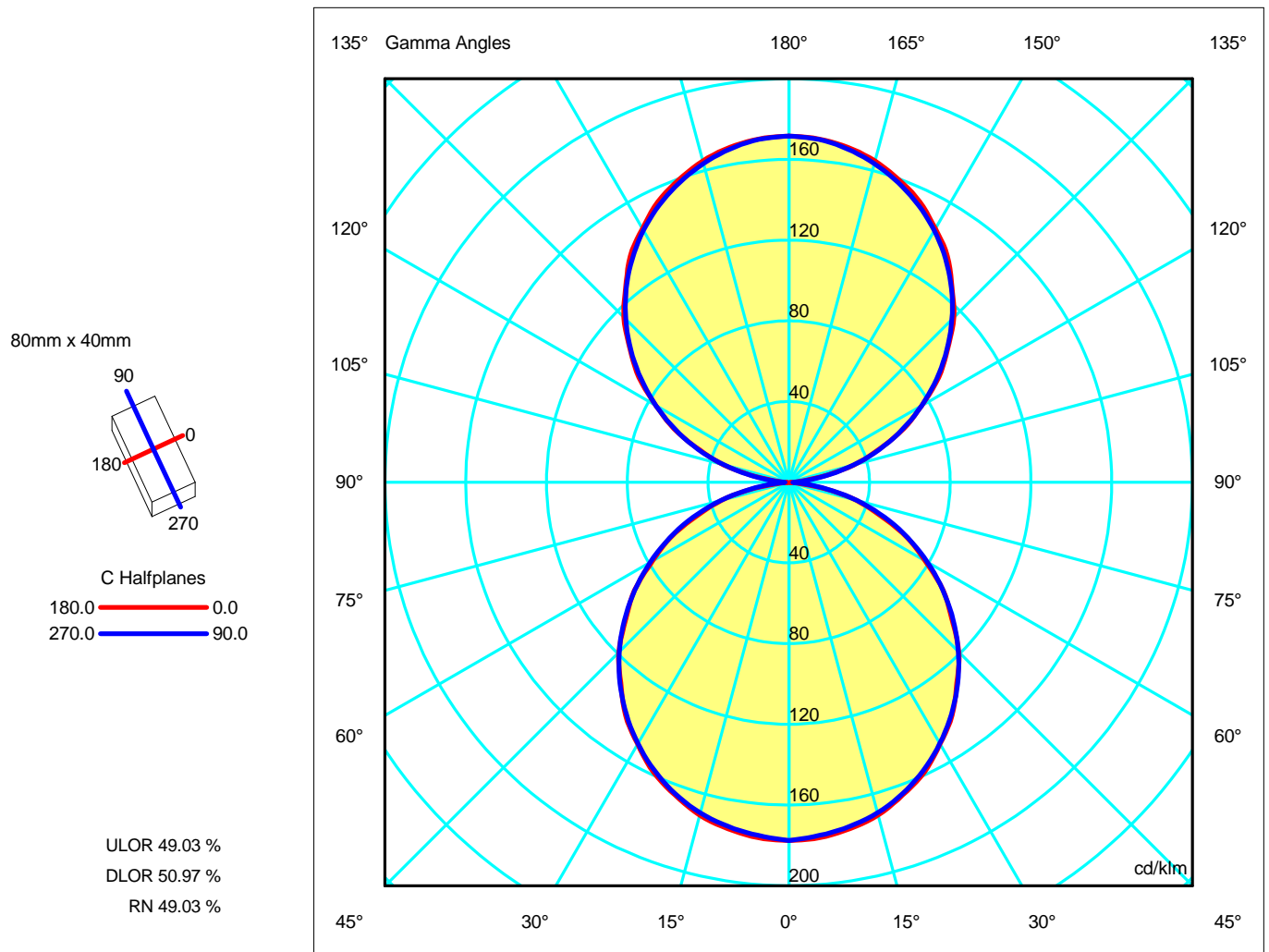
 Code PX-0376-BLA  
 Name Aplique leds

**Measur.**

 Code CL116A17F299G  
 Name Aplique leds

Luminaire Flux	471.05 lm	Luminaire Power	9.36 W	Efficacy	50.33 lm/W	Efficiency	100.00%
Lamps Flux	471.05 lm	Maximum value	177.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	80 mm	Width	40 mm	Height	170 mm
Rectangular Luminous Area		Length	50 mm	Width	40 mm	Height	160 mm
Horizontal Luminous Area		0.002000 m2		Emitting area on Plane 180°		0.008000 m2	
Emitting area on Plane 0°		0.008000 m2		Emitting area on Plane 270°		0.006400 m2	
Emitting area on Plane 90°		0.006400 m2		Glare area at 76°		0.008246 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		28-07-2017		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		471.05 lm	
Operator		Asselum T2		Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

Line	Code LED	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		Name LED				
				471.05	9.36	1
C.I.E.	47 78 96 51 100		D DIN 5040	C31		
F UTE	0.51 E + 0.49 T		B NBN	BZ 5		





**Luminaire**

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Name Applique leds

**Measur.**

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

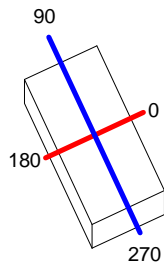
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	177.50	177.50	177.50	177.50	177.50	177.50	177.50
G 5.0	176.79	176.37	176.07	175.86	175.73	175.66	175.64
G 10.0	174.34	173.61	173.25	173.14	173.15	173.17	173.19
G 15.0	170.76	169.71	169.32	169.30	169.43	169.52	169.57
G 20.0	164.95	163.93	163.90	164.11	164.27	164.32	164.33
G 25.0	158.62	156.94	157.08	157.44	157.54	157.60	157.57
G 30.0	149.84	148.68	149.44	149.41	149.48	149.56	149.51
G 35.0	141.05	139.44	140.17	140.11	140.26	140.37	140.35
G 40.0	129.54	129.12	129.54	129.71	130.02	130.11	130.11
G 45.0	119.13	118.06	117.93	118.38	118.78	118.78	118.77
G 50.0	105.42	105.67	105.74	106.23	106.49	106.39	106.38
G 55.0	93.32	92.33	92.68	93.22	93.22	93.14	93.14
G 60.0	77.95	79.04	78.68	79.29	79.23	79.28	79.33
G 65.0	64.66	64.50	64.64	64.63	64.83	65.05	65.13
G 70.0	48.32	49.81	49.82	49.84	50.22	50.39	50.45
G 75.0	34.61	34.73	34.78	35.09	35.33	35.17	35.09
G 80.0	17.64	19.84	19.77	20.49	20.21	19.75	19.58
G 85.0	1.88	7.19	7.47	7.81	7.53	7.30	7.19
G 90.0	1.83	2.24	2.12	2.02	1.94	1.94	1.92
G 95.0	4.48	6.31	6.65	6.86	6.66	6.47	6.41
G100.0	16.41	18.66	18.28	18.74	18.59	18.16	18.06
G105.0	33.27	32.67	32.80	32.84	33.16	32.96	32.94
G110.0	47.12	46.90	47.51	47.37	47.67	47.71	47.81
G115.0	62.83	61.96	61.86	61.81	61.88	62.01	62.09
G120.0	75.90	75.64	76.18	75.97	75.86	75.91	75.92
G125.0	90.65	89.34	89.26	89.60	89.46	89.41	89.34
G130.0	102.64	101.73	102.38	102.28	102.28	102.25	102.18
G135.0	115.63	114.11	114.14	114.39	114.21	114.24	114.23
G140.0	125.76	125.11	124.78	125.25	125.31	125.26	125.30
G145.0	137.00	135.84	134.91	134.98	135.26	135.26	135.28
G150.0	145.20	144.55	144.07	143.94	143.99	144.12	144.10
G155.0	153.49	152.97	152.04	151.68	151.68	151.76	151.74
G160.0	159.59	159.27	158.77	158.44	158.28	158.22	158.20
G165.0	164.92	164.75	164.37	163.99	163.73	163.59	163.56
G170.0	168.61	168.52	168.33	168.12	167.94	167.83	167.80
G175.0	170.87	170.85	170.80	170.73	170.67	170.62	170.61
G180.0	171.63	171.63	171.63	171.63	171.63	171.63	171.63

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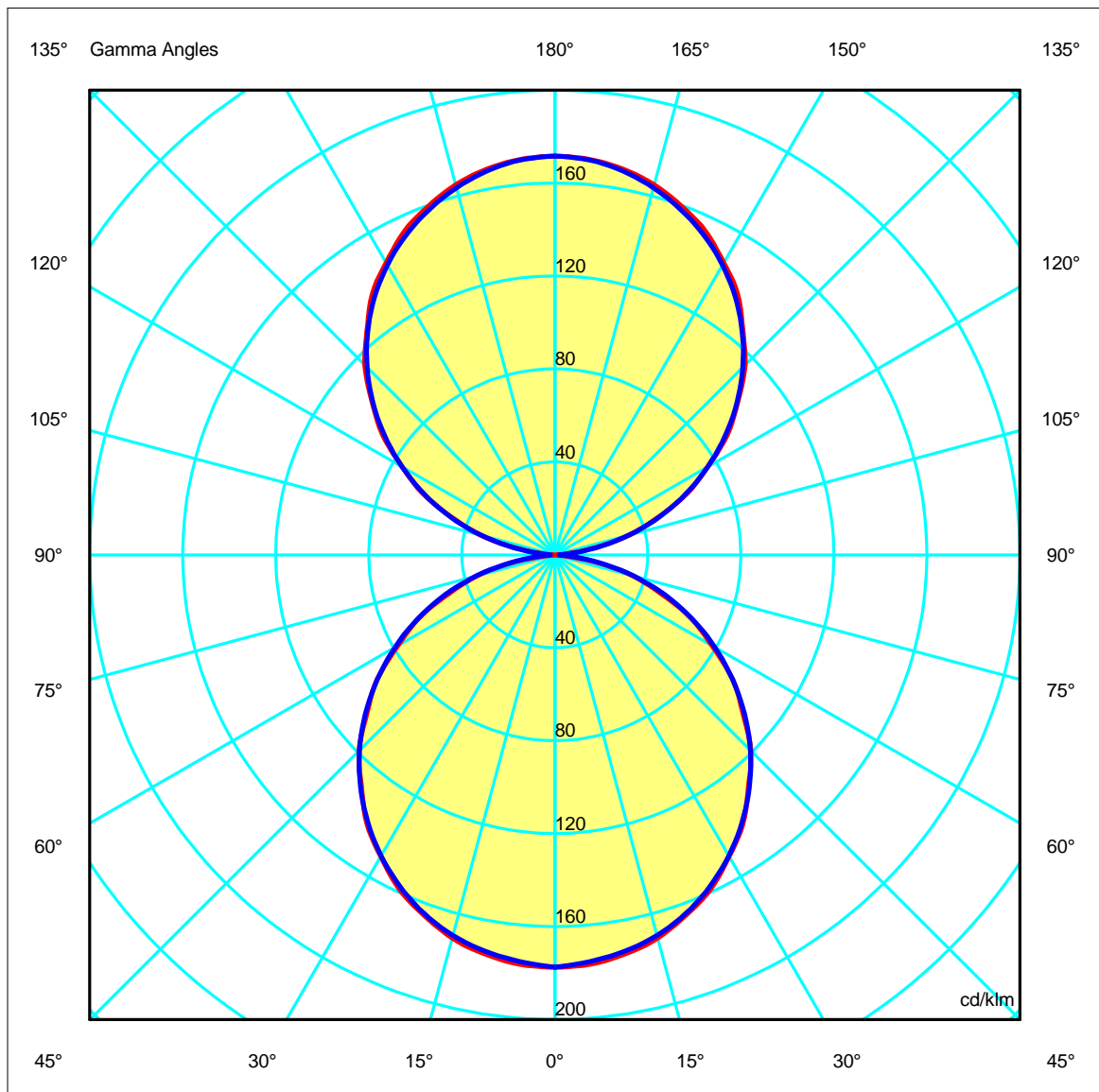
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Lamps Flux	471.05 lm	Maximum value	177.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

80mm x 40mm

C Halfplanes



180.0 ——— 0.0  
 270.0 ——— 90.0



**Luminaire**

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**Measurement**

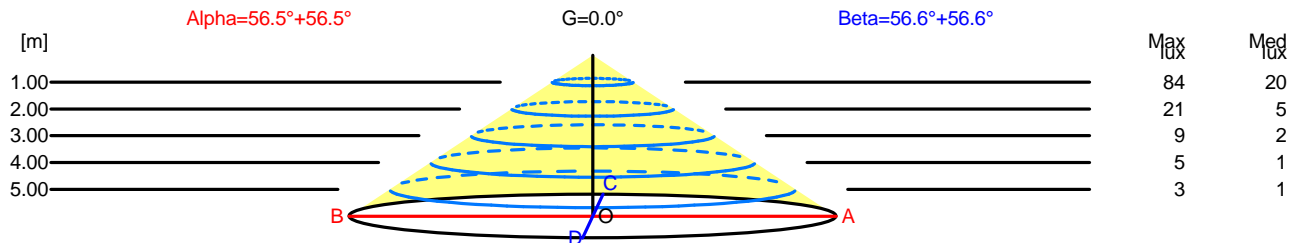
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Lamps Flux	471.05 lm	Maximum value	177.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.51	3.03	4.54	6.05	7.56	OC	1.52	3.03	4.55	6.07	7.58
OB	1.51	3.03	4.54	6.05	7.56	OD	1.52	3.03	4.55	6.07	7.58

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	83.61	83.28	80.44	74.72	66.44	56.11	43.96	30.46	16.30	0.88
OB	83.61	83.28	80.44	74.72	66.44	56.11	43.96	30.46	16.30	0.88
OC	83.61	82.73	79.87	74.22	66.11	55.95	43.87	30.68	16.53	3.39
OD	83.61	82.73	79.87	74.22	66.11	55.95	43.87	30.68	16.53	3.39



H[m]	D[m]	Max lux	Med lux	Alpha=56.5°+56.5°	G=0.0
1.00	3.03	84	20		
2.00	6.05	21	5		
3.00	9.08	9	2		
4.00	12.10	5	1		
5.00	15.13	3	1		

H[m]	D[m]	Max lux	Med lux	Beta=56.6°+56.6°	G=0.0
1.00	3.03	84	20		
2.00	6.07	21	5		
3.00	9.10	9	2		
4.00	12.14	5	1		
5.00	15.17	3	1		



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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	14.8	15.6	15.7	16.5	18.0	15.2	16.0	16.0	16.9	18.0
x=2H y=3H	15.7	16.5	16.6	17.4	19.0	16.2	16.9	17.1	17.8	19.0
x=2H y=4H	16.0	16.7	16.9	17.6	19.3	16.5	17.2	17.4	18.1	19.3
x=2H y=6H	16.1	16.8	17.1	17.7	19.4	16.6	17.3	17.6	18.2	19.4
x=2H y=8H	16.1	16.7	17.0	17.6	19.4	16.6	17.2	17.6	18.1	19.4
x=2H y=12H	16.0	16.6	17.0	17.5	19.3	16.6	17.1	17.5	18.1	19.3
x=4H y=2H	15.1	15.8	16.0	16.7	18.2	15.4	16.1	16.3	17.0	18.2
x=4H y=3H	16.2	16.8	17.2	17.7	19.3	16.6	17.1	17.5	18.1	19.3
x=4H y=4H	16.6	17.1	17.5	18.0	19.7	17.0	17.5	17.9	18.4	19.7
x=4H y=6H	16.7	17.2	17.7	18.2	19.8	17.2	17.6	18.2	18.6	19.8
x=4H y=8H	16.7	17.1	17.7	18.1	19.8	17.2	17.6	18.2	18.6	19.8
x=4H y=12H	16.7	17.0	17.7	18.0	19.8	17.1	17.5	18.1	18.5	19.8
x=8H y=4H	16.6	17.0	17.6	18.0	19.6	17.0	17.4	18.0	18.4	19.6
x=8H y=6H	16.8	17.2	17.9	18.2	19.9	17.2	17.6	18.2	18.6	19.9
x=8H y=8H	16.9	17.1	17.9	18.2	19.9	17.3	17.5	18.3	18.6	19.9
x=8H y=12H	16.8	17.1	17.8	18.1	19.9	17.2	17.5	18.3	18.5	19.9
x=12H y=4H	16.6	16.9	17.6	17.9	19.6	16.9	17.3	17.9	18.3	19.6
x=12H y=6H	16.8	17.1	17.8	18.1	19.8	17.2	17.5	18.2	18.5	19.8
x=12H y=8H	16.8	17.1	17.9	18.1	19.8	17.2	17.5	18.3	18.5	19.8

**Luminaire**

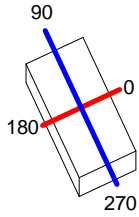
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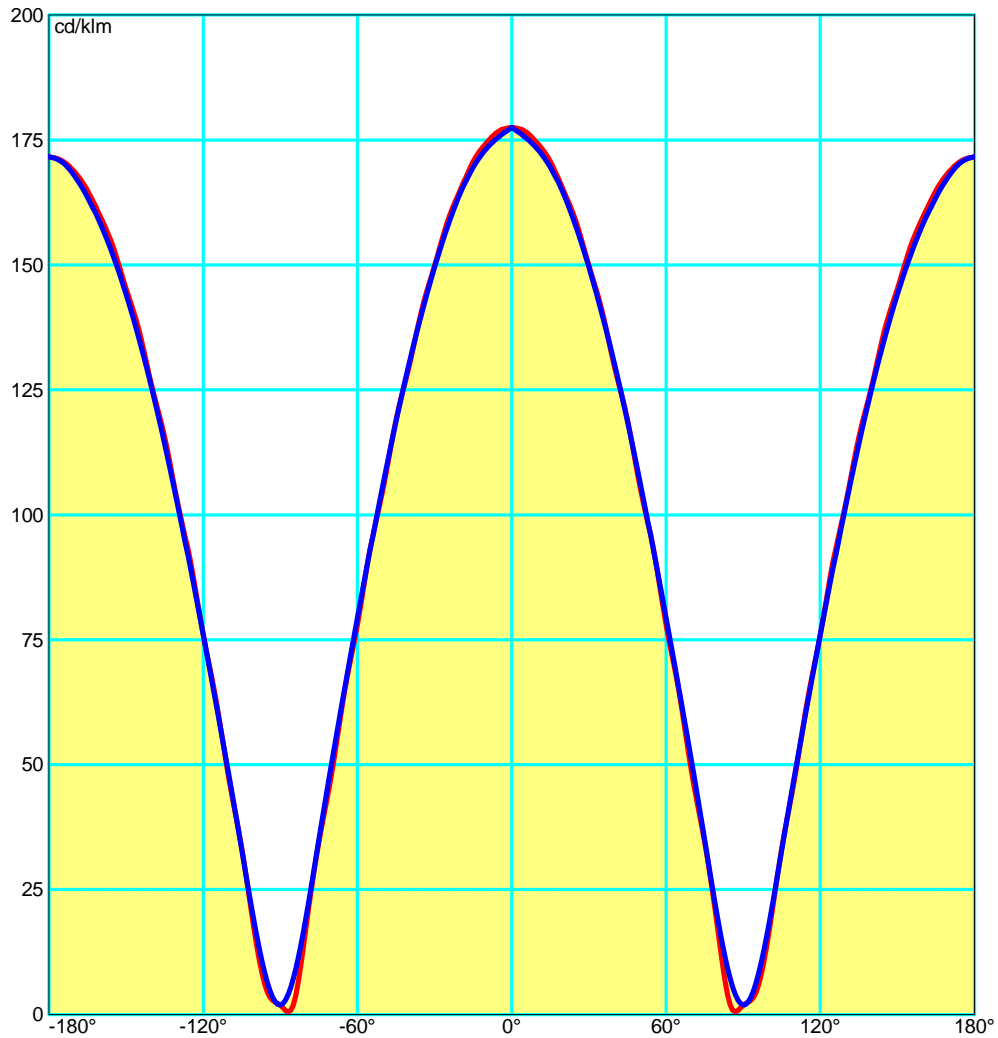
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Lamps Flux	471.05 lm	Maximum value	177.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

80mm x 40mm



C Halfplanes

180.0 ———— 0.0  
 270.0 ———— 90.0



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Luminance







**Luminaire**

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Luminaire Flux	471.05 lm	Luminaire Power	9.36 W	Efficacy	50.33 lm/W	Efficiency	100.00%
Lamps Flux	471.05 lm	Maximum value	177.50 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	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26
G 5.0	30962.17	29950.81	29250.99	28846.27	28723.25	28877.47	29311.92	30037.01	31072.09	32442.09	31072.09	30037.01	29311.92
G 10.0	24450.70	23191.32	22353.12	21888.60	21761.71	21959.70	22489.58	23378.66	24680.10	26478.41	24680.10	23378.66	22489.58
G 15.0	20096.70	18803.87	17966.75	17516.73	17400.33	17602.06	18131.94	19025.84	20359.22	22259.66	20359.22	19025.84	18131.94
G 20.0	16834.80	15610.51	14842.90	14448.79	14356.32	14549.81	15044.81	15885.70	17161.94	19026.94	17161.94	15885.70	15044.81
G 25.0	14386.88	13206.10	12490.04	12143.93	12069.61	12246.27	12695.12	13470.44	14661.42	16430.59	14661.42	13470.44	12695.12
G 30.0	12313.38	11260.41	10645.87	10357.56	10270.42	10418.70	10826.99	11534.54	12629.21	14279.77	12629.21	11534.54	10826.99
G 35.0	10670.17	9686.65	9122.87	8865.74	8786.08	8919.14	9290.12	9931.09	10928.83	12452.51	10928.83	9931.09	9290.12
G 40.0	9142.60	8322.80	7832.02	7587.27	7525.96	7653.61	7989.39	8563.40	9463.27	10855.31	9463.27	8563.40	7989.39
G 45.0	7935.83	7173.04	6709.75	6477.79	6432.51	6556.74	6855.49	7360.46	8163.91	9419.47	8163.91	7360.46	6855.49
G 50.0	6698.17	6087.67	5707.85	5507.15	5470.49	5579.19	5835.85	6275.81	6981.53	8097.53	6981.53	6275.81	5835.85
G 55.0	5708.84	5121.41	4779.79	4622.65	4597.70	4683.39	4898.41	5277.25	5890.08	6866.36	5890.08	5277.25	4898.41
G 60.0	4631.08	4227.64	3954.47	3792.90	3773.46	3849.67	4028.60	4351.55	4876.09	5711.49	4876.09	4351.55	4028.60
G 65.0	3762.31	3379.47	3152.60	3037.35	3005.94	3061.85	3216.48	3488.32	3922.43	4616.68	3922.43	3488.32	3216.48
G 70.0	2775.30	2551.28	2393.03	2300.26	2277.20	2324.60	2450.99	2663.47	3001.62	3547.73	3001.62	2663.47	2450.99
G 75.0	1977.07	1776.52	1654.04	1590.67	1582.05	1622.49	1709.66	1850.74	2082.01	2467.29	2082.01	1850.74	1709.66
G 80.0	1009.89	991.18	947.92	902.28	914.20	944.24	977.10	1044.07	1169.31	1386.85	1169.31	1044.07	977.10
G 85.0	108.67	305.69	348.62	343.02	348.27	360.55	366.32	389.16	436.20	517.42	436.20	389.16	366.32
G 90.0	107.99	113.02	108.74	98.75	94.16	93.30	95.59	104.25	118.19	141.09	118.19	104.25	95.59



**Luminaire**

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**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	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26
G 5.0	28877.47	28723.25	28846.27	29250.99	29950.81	30962.17	29950.81	29250.99	28846.27	28723.25	28877.47	29311.92	30037.01
G 10.0	21959.70	21761.71	21888.60	22353.12	23191.32	24450.70	23191.32	22353.12	21888.60	21761.71	21959.70	22489.58	23378.66
G 15.0	17602.06	17400.33	17516.73	17966.75	18803.87	20096.70	18803.87	17966.75	17516.73	17400.33	17602.06	18131.94	19025.84
G 20.0	14549.81	14356.32	14448.79	14842.90	15610.51	16834.80	15610.51	14842.90	14448.79	14356.32	14549.81	15044.81	15885.70
G 25.0	12246.27	12069.61	12143.93	12490.04	13206.10	14386.88	13206.10	12490.04	12143.93	12069.61	12246.27	12695.12	13470.44
G 30.0	10418.70	10270.42	10357.56	10645.87	11260.41	12313.38	11260.41	10645.87	10357.56	10270.42	10418.70	10826.99	11534.54
G 35.0	8919.14	8786.08	8865.74	9122.87	9686.65	10670.17	9686.65	9122.87	8865.74	8786.08	8919.14	9290.12	9931.09
G 40.0	7653.61	7525.96	7587.27	7832.02	8322.80	9142.60	8322.80	7832.02	7587.27	7525.96	7653.61	7989.39	8563.40
G 45.0	6556.74	6432.51	6477.79	6709.75	7173.04	7935.83	7173.04	6709.75	6477.79	6432.51	6556.74	6855.49	7360.46
G 50.0	5579.19	5470.49	5507.15	5707.85	6087.67	6698.17	6087.67	5707.85	5507.15	5470.49	5579.19	5835.85	6275.81
G 55.0	4683.39	4597.70	4622.65	4779.79	5121.41	5708.84	5121.41	4779.79	4622.65	4597.70	4683.39	4898.41	5277.25
G 60.0	3849.67	3773.46	3792.90	3954.47	4227.64	4631.08	4227.64	3954.47	3792.90	3773.46	3849.67	4028.60	4351.55
G 65.0	3061.85	3005.94	3037.35	3152.60	3379.47	3762.31	3379.47	3152.60	3037.35	3005.94	3061.85	3216.48	3488.32
G 70.0	2324.60	2277.20	2300.26	2393.03	2551.28	2775.30	2551.28	2393.03	2300.26	2277.20	2324.60	2450.99	2663.47
G 75.0	1622.49	1582.05	1590.67	1654.04	1776.52	1977.07	1776.52	1654.04	1590.67	1582.05	1622.49	1709.66	1850.74
G 80.0	944.24	914.20	902.28	947.92	991.18	1009.89	991.18	947.92	902.28	914.20	944.24	977.10	1044.07
G 85.0	360.55	348.27	343.02	348.62	305.69	108.67	305.69	348.62	343.02	348.27	360.55	366.32	389.16
G 90.0	93.30	94.16	98.75	108.74	113.02	107.99	113.02	108.74	98.75	94.16	93.30	95.59	104.25



**Luminaire**

Code PX-0376-BLA  
Name Aplique leds

**Measur.**

Code CL116A17F299G  
Name Aplique leds

Luminaire Flux	471.05 lm	Luminaire Power	9.36 W	Efficacy	50.33 lm/W	Efficiency	100.00%
Lamps Flux	471.05 lm	Maximum value	177.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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

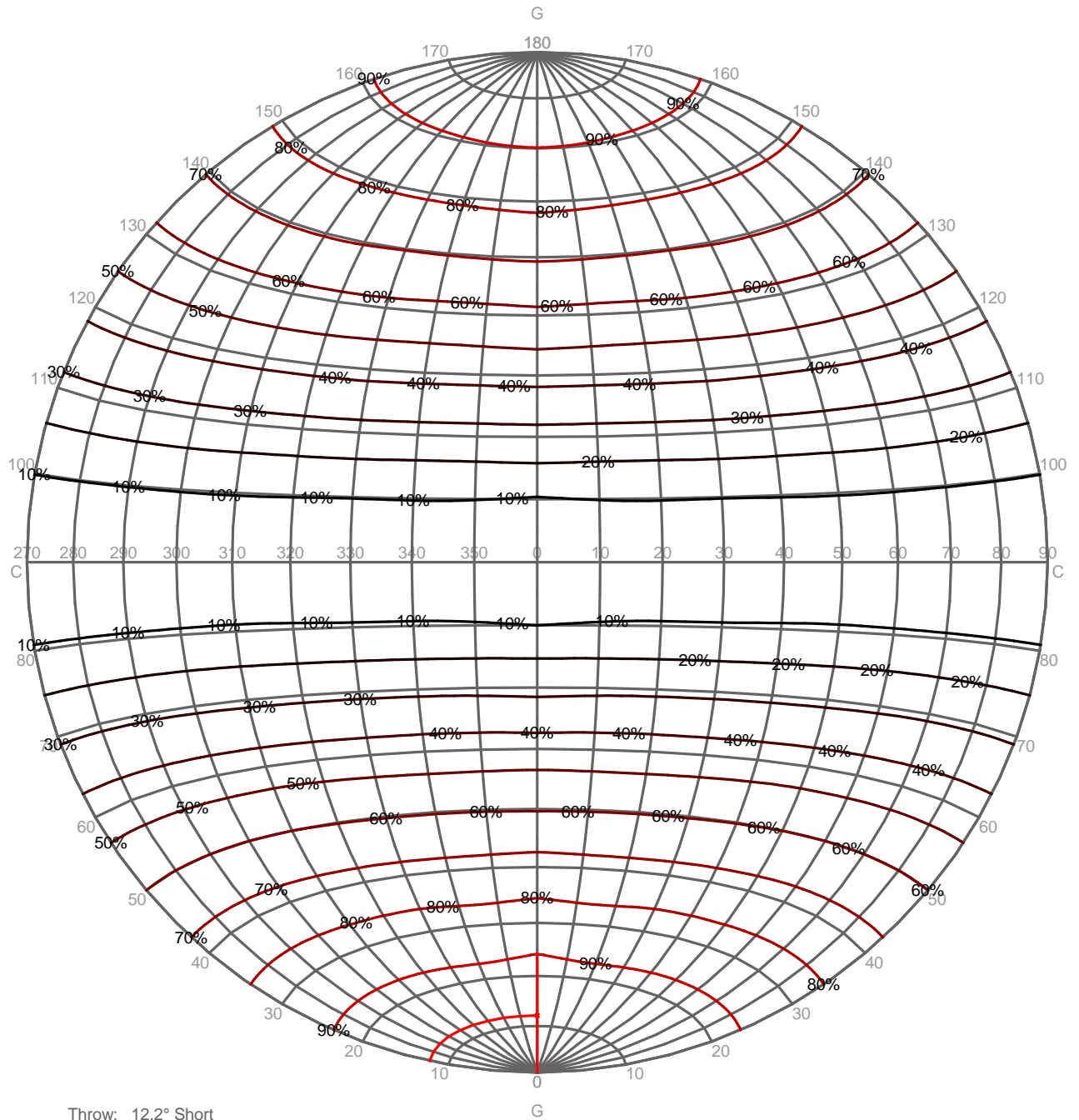
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26	41806.26
G 5.0	31072.09	32442.09	31072.09	30037.01	29311.92	28877.47	28723.25	28846.27	29250.99	29950.81
G 10.0	24680.10	26478.41	24680.10	23378.66	22489.58	21959.70	21761.71	21888.60	22353.12	23191.32
G 15.0	20359.22	22259.66	20359.22	19025.84	18131.94	17602.06	17400.33	17516.73	17966.75	18803.87
G 20.0	17161.94	19026.94	17161.94	15885.70	15044.81	14549.81	14356.32	14448.79	14842.90	15610.51
G 25.0	14661.42	16430.59	14661.42	13470.44	12695.12	12246.27	12069.61	12143.93	12490.04	13206.10
G 30.0	12629.21	14279.77	12629.21	11534.54	10826.99	10418.70	10270.42	10357.56	10645.87	11260.41
G 35.0	10928.83	12452.51	10928.83	9931.09	9290.12	8919.14	8786.08	8865.74	9122.87	9686.65
G 40.0	9463.27	10855.31	9463.27	8563.40	7989.39	7653.61	7525.96	7587.27	7832.02	8322.80
G 45.0	8163.91	9419.47	8163.91	7360.46	6855.49	6556.74	6432.51	6477.79	6709.75	7173.04
G 50.0	6981.53	8097.53	6981.53	6275.81	5835.85	5579.19	5470.49	5507.15	5707.85	6087.67
G 55.0	5890.08	6866.36	5890.08	5277.25	4898.41	4683.39	4597.70	4622.65	4779.79	5121.41
G 60.0	4876.09	5711.49	4876.09	4351.55	4028.60	3849.67	3773.46	3792.90	3954.47	4227.64
G 65.0	3922.43	4616.68	3922.43	3488.32	3216.48	3061.85	3005.94	3037.35	3152.60	3379.47
G 70.0	3001.62	3547.73	3001.62	2663.47	2450.99	2324.60	2277.20	2300.26	2393.03	2551.28
G 75.0	2082.01	2467.29	2082.01	1850.74	1709.66	1622.49	1582.05	1590.67	1654.04	1776.52
G 80.0	1169.31	1386.85	1169.31	1044.07	977.10	944.24	914.20	902.28	947.92	991.18
G 85.0	436.20	517.42	436.20	389.16	366.32	360.55	348.27	343.02	348.62	305.69
G 90.0	118.19	141.09	118.19	104.25	95.59	93.30	94.16	98.75	108.74	113.02

**Luminaire**  
 Code PX-0376-BLA  
 Name Applique leds  
**Measur.**  
 Code CL116A17F299G  
 Name Applique leds

Luminaire Flux	471.05 lm	Luminaire Power	9.36 W	Efficacy	50.33 lm/W	Efficiency	100.00%
Lamps Flux	471.05 lm	Maximum value	177.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

**PERCENTAGE ISOCANDLES**

Projection: Equal Area SLI 9.5 Tight Tilting Angle:0°

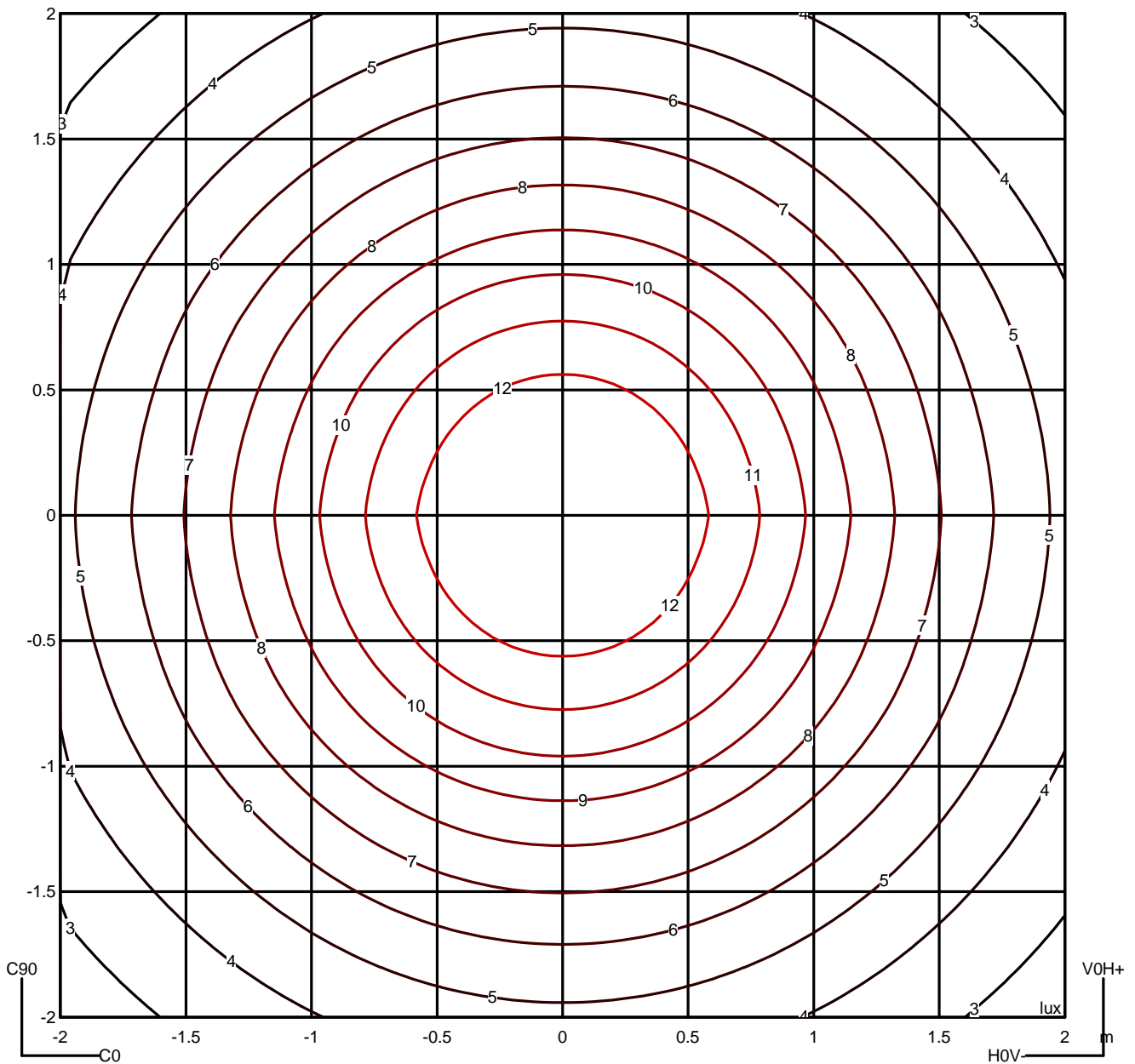


**Luminaire**  
 Code PX-0376-BLA  
 Name Aplique leds  
**Measurum.**  
 Code CL116A17F299G  
 Name Aplique leds

Luminaire Flux	471.05 lm	Luminaire Power	9.36 W	Efficacy	50.33 lm/W	Efficiency	100.00%
Lamps Flux	471.05 lm	Maximum value	177.50 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

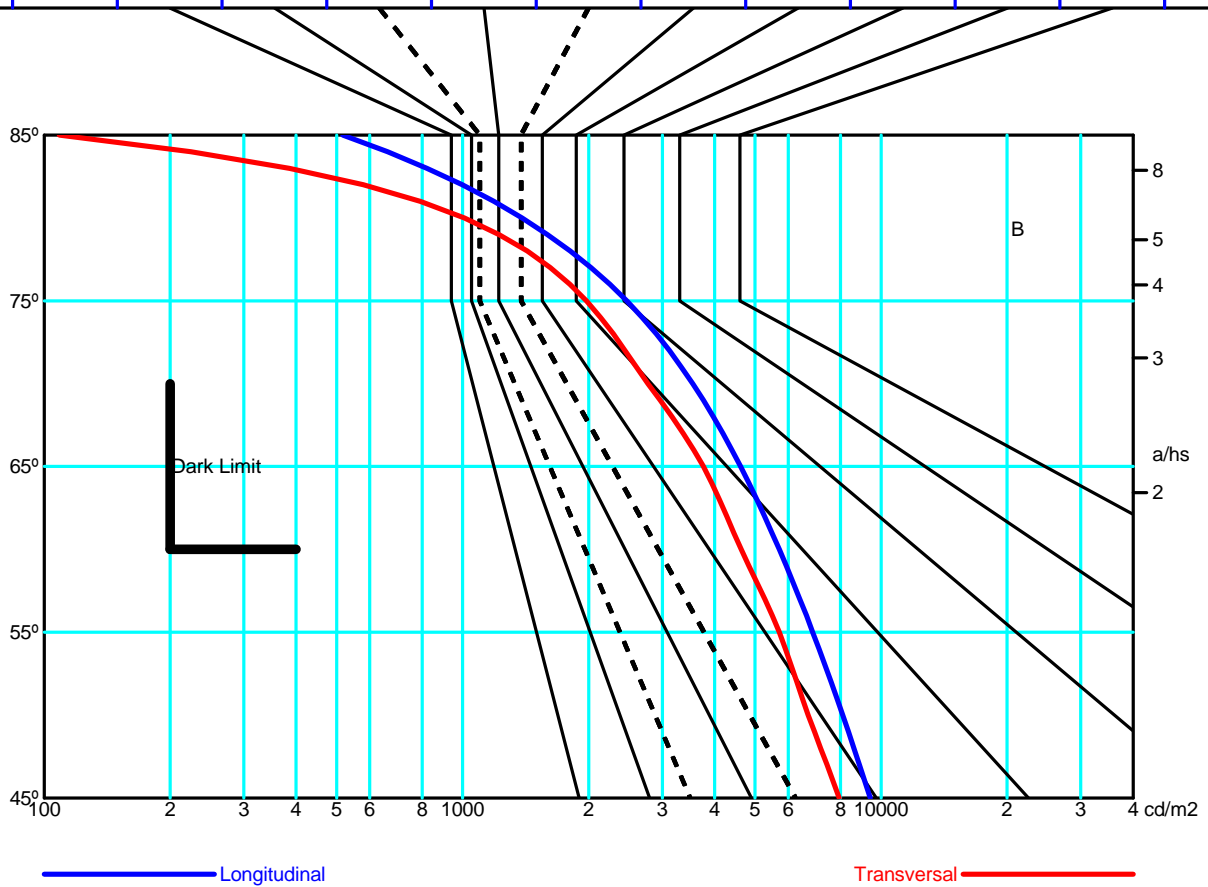


**Luminaire**  
 Code PX-0376-BLA  
 Name Aplique leds  
**Measur.**  
 Code CL116A17F299G  
 Name Aplique leds

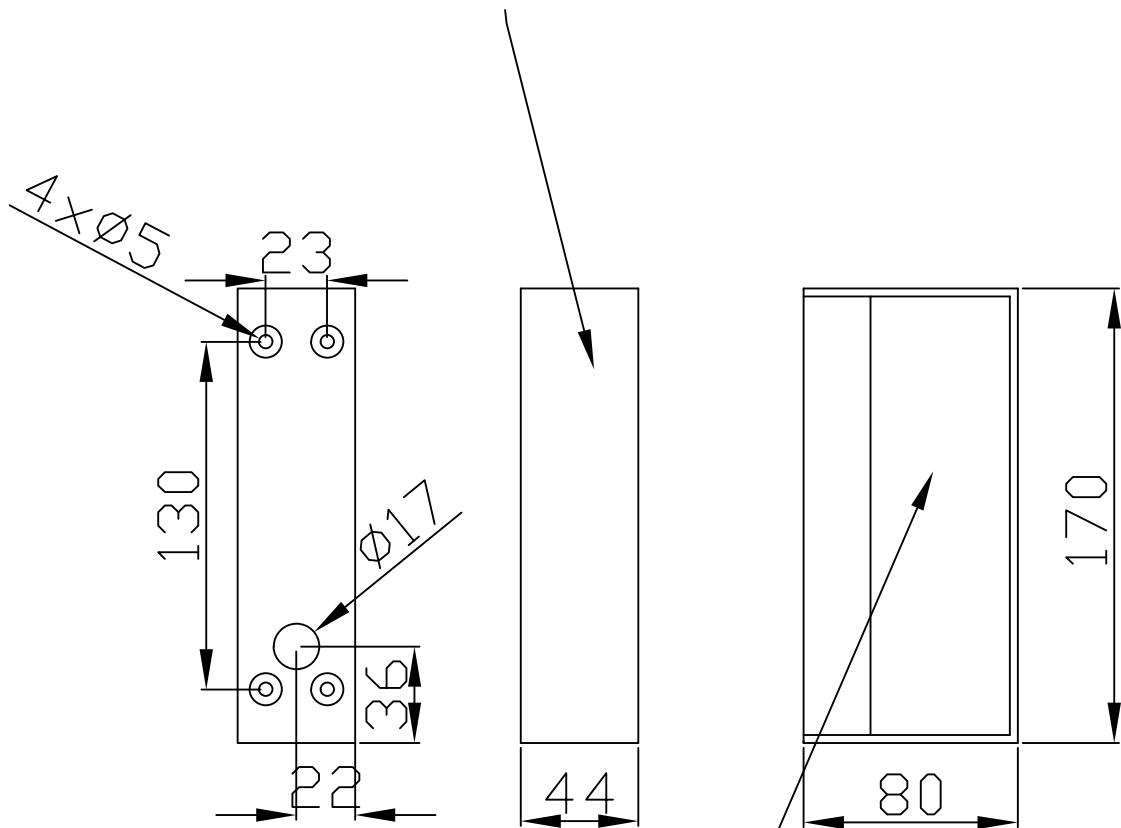
Luminaire Flux	471.05 lm	Luminaire Power	9.36 W	Efficacy	50.33 lm/W	Efficiency	100.00%
Lamps Flux	471.05 lm	Maximum value	177.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	7936	6698	5709	4631	3762	2775	1977	1010	109	---	
90.0°	9419	8098	6866	5711	4617	3548	2467	1387	517	---	

Flush mounted or transversal view												
		Illumination(Ix)										
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 + ABS



PC / Opal

