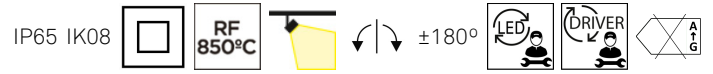


TECHNICAL FEATURES



Luminaire total power : 7.4W

Real lumens : 229

Nominal lumens : 420

Real lm/W : 31

Lens / reflector angle : MEDIUM 38°

Structure material : Aluminium

Structure finish : Black

Diffuser material : Glass

Diffuser finish : Transparent

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

Dimming protocol : ON-OFF

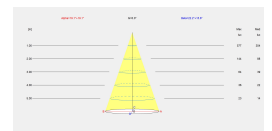
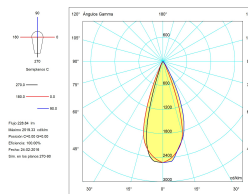
Useful life : 36.000h L70B30

Warranty : 5 Years

Easily recyclable luminaire

LUMINOTECHNIC FEATURES

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
LED	1	6W	green



LOGISTICS

Net weight (kg): 0.4

Packaged weight (kg): 0.48

Packaging: 100mm x 85mm x 225mm

 20 Un



Luminaire

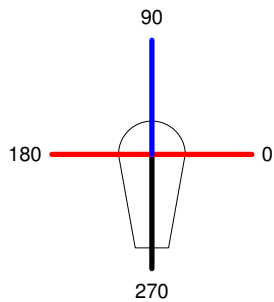
Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

Measurement

Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

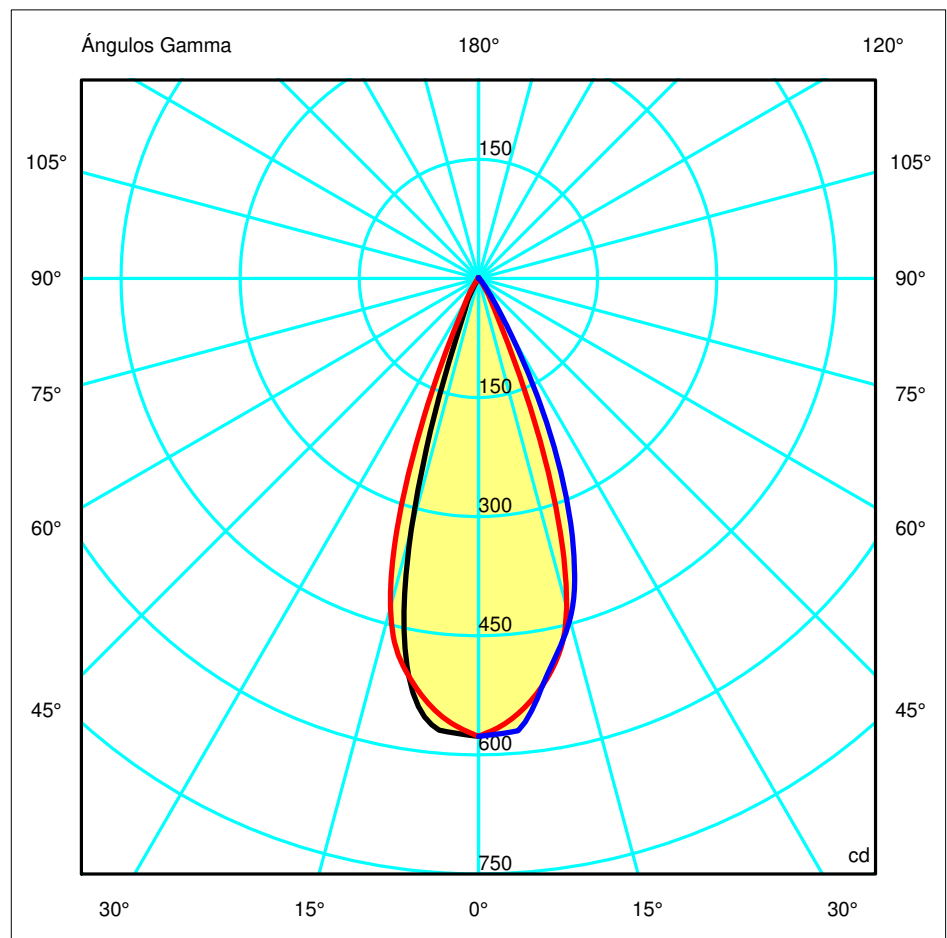
Luminaire Flux	228.84 lm	Luminaire Power	6.00 W	Efficacy	38.14 lm/W	Efficiency	100.00%
Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90
Round Luminaire Round Luminous Area		Diam.	75 mm	Height	200 mm		
		Diam.	72 mm	Height	0 mm		
Horizontal Luminous Area	0.004072 m2			Emitting area on Plane 180°	0.000000 m2		
Emitting area on Plane 0°	0.000000 m2			Emitting area on Plane 270°	0.000000 m2		
Emitting area on Plane 90°	0.000000 m2			Glare area at 76°	0.000985 m2		
Coordinate system	CG Roads			Symmetry Type	Sym. on planes 270-90		
Date	24-02-2016			Maximum Gamma Angle	180		
Measurement Distance	0.00			Measurement Flux	228.84 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
	PX-0111-NEG	Name PX-0111-NEG - 6.00 W	228.84	6.00	1
C.I.E.	98 100 100 99 100	D DIN 5040	A61		



Semiplanos C
 270.0 ———
 180.0 ——— 0.0
 90.0 ———

ULOR 1.22 %
 DLOR 98.78 %
 RN 1.22 %



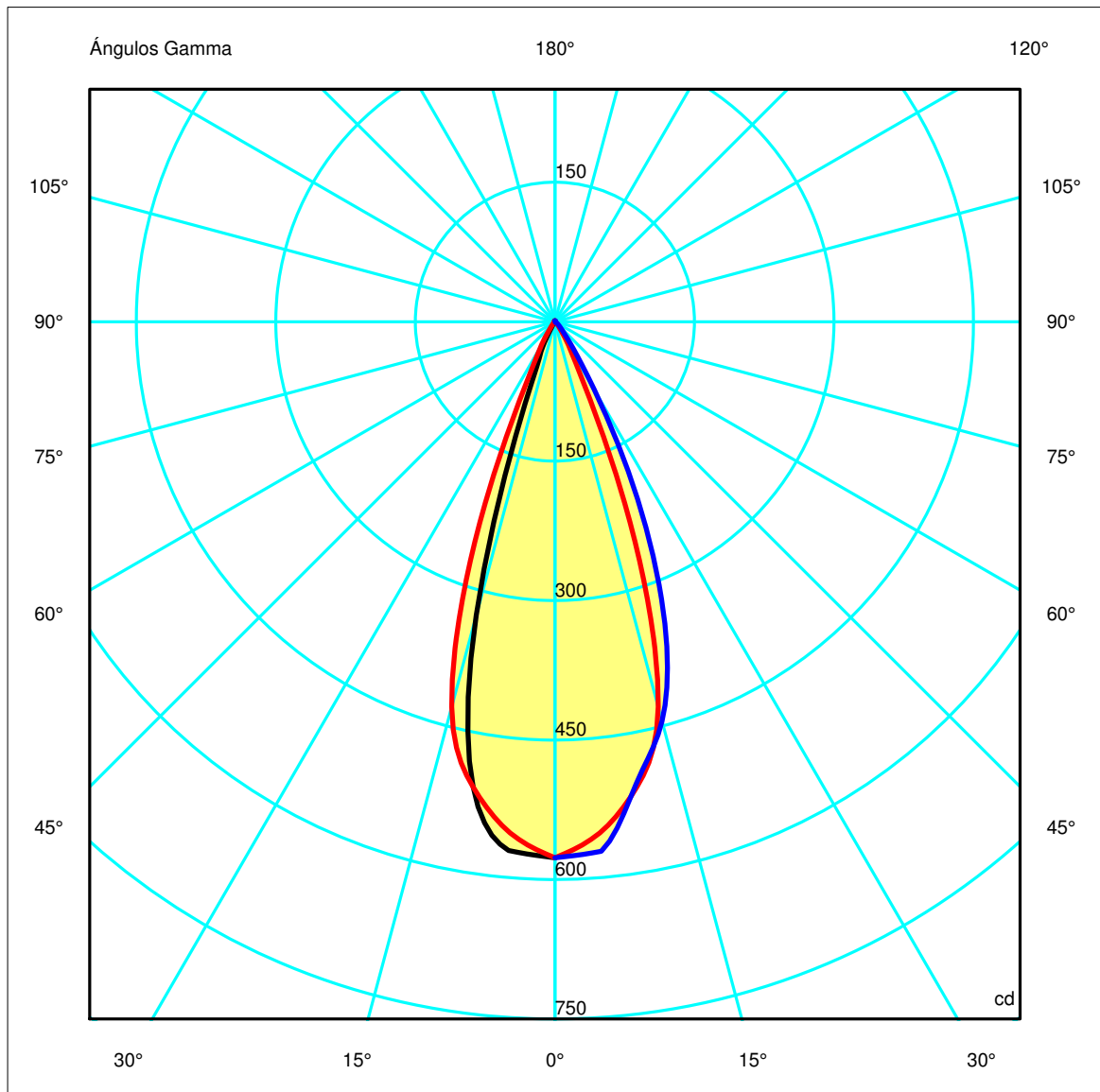
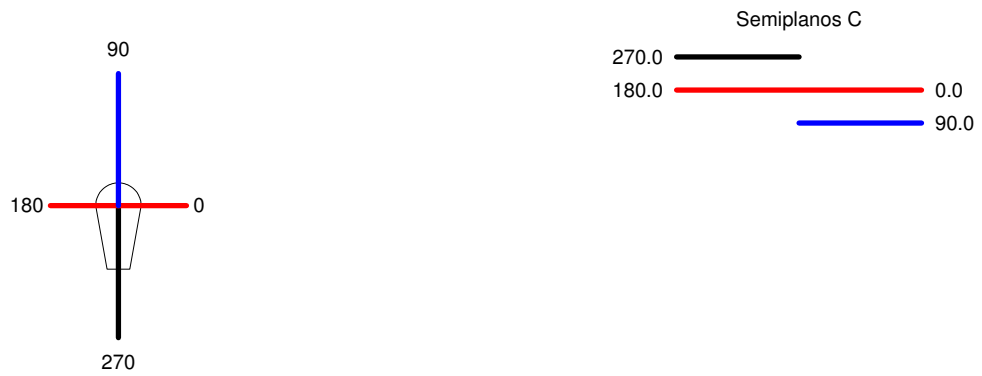
Luminaire

Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

Measurem.

Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

Luminaire Flux	228.84 lm	Luminaire Power	6.00 W	Efficacy	38.14 lm/W	Efficiency	100.00%
Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG Sym. on planes 270-90	



Luminaire

Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

Measurement

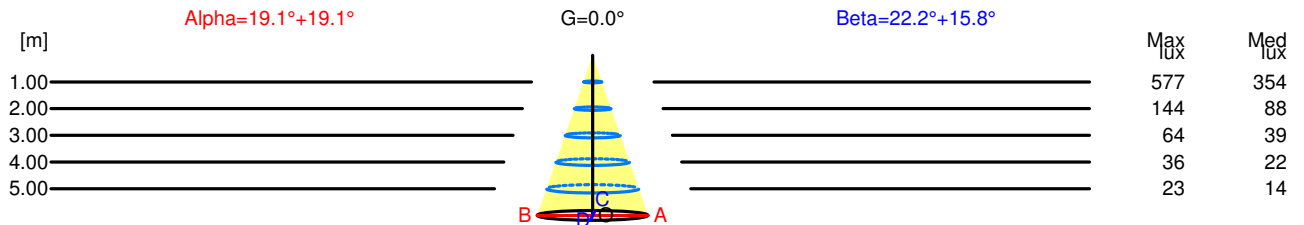
Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

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Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

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	0.35	0.69	1.04	1.38	1.73	OC	0.41	0.81	1.22	1.63	2.04
OB	0.35	0.69	1.04	1.38	1.73	OD	0.28	0.56	0.85	1.13	1.41

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	576.52	551.90	428.93	74.55	9.79	2.18	0.62	0.30	0.25	0.23
OB	576.52	551.90	428.93	74.55	9.79	2.18	0.62	0.30	0.25	0.23
OC	576.52	571.77	444.72	208.58	29.09	6.85	2.51	0.89	0.31	0.26
OD	576.52	570.97	327.00	35.30	4.11	0.30	0.21	0.21	0.21	0.21



H[m]	D[m]	Max lux	Med lux	Alpha=19.1°+19.1°	G=0.0	
1.00	0.69	577	354			
2.00	1.38	144	88			
3.00	2.07	64	39			
4.00	2.77	36	22			
5.00	3.46	23	14			

H[m]	D[m]	Max lux	Med lux	Beta=15.8°+22.2°	G=0.0	
1.00	0.69	577	354			
2.00	1.38	144	88			
3.00	2.07	64	39			
4.00	2.76	36	22			
5.00	3.45	23	14			

Luminaire

Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

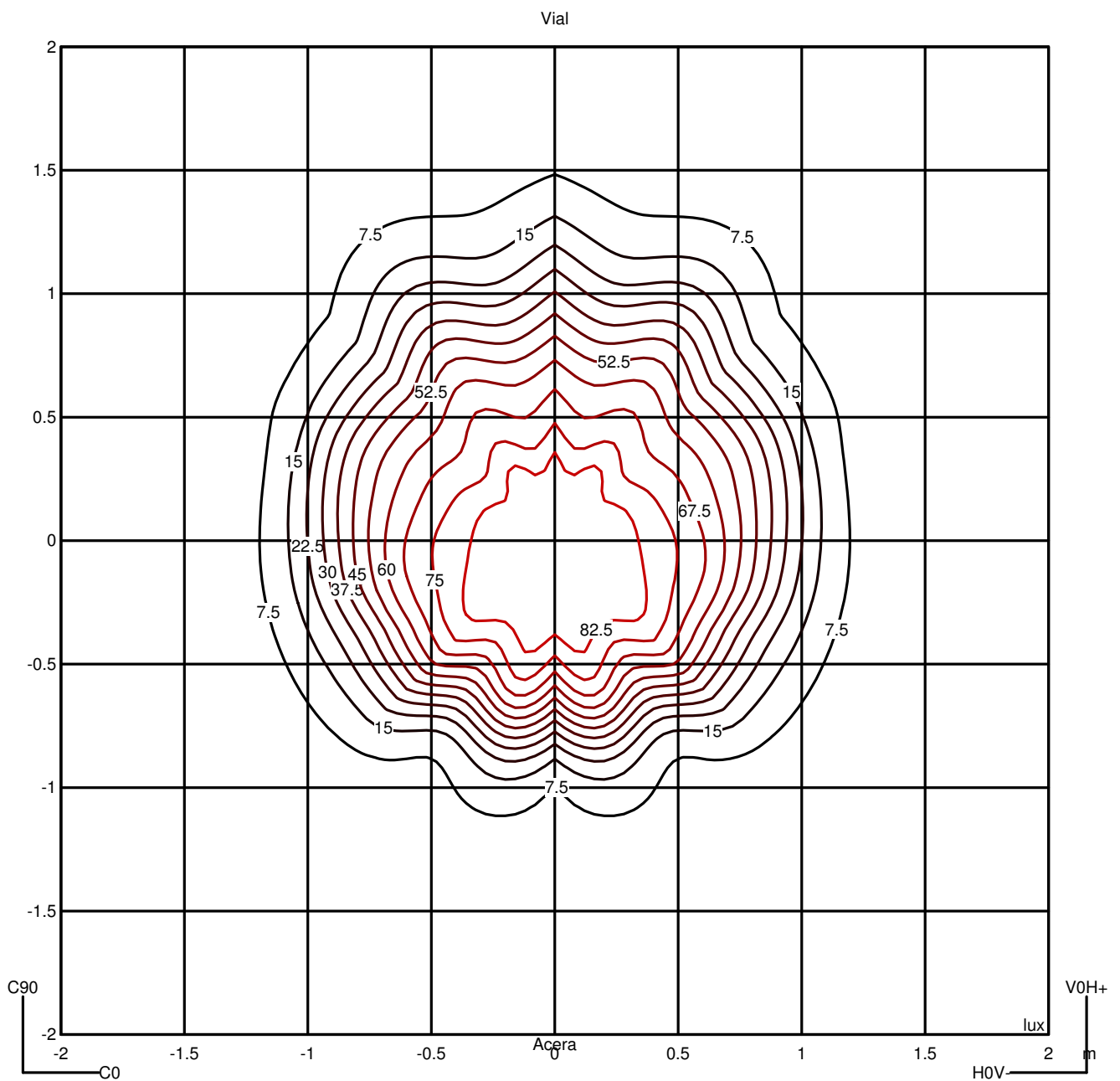
Measurement

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Isolux (Floor)

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



Luminaire

Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

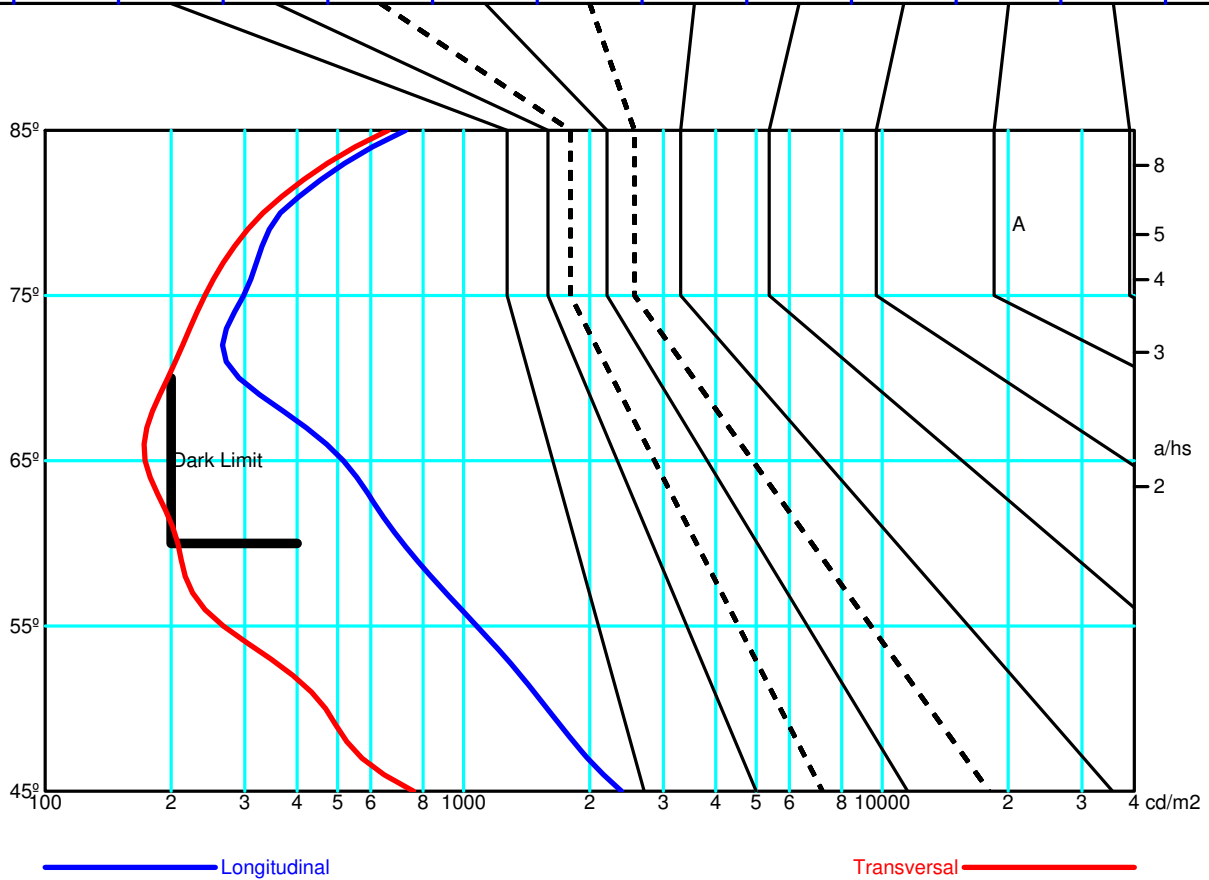
Measurerm.

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 Name Foco MINIMAL 3 leds green 6W

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Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

		Average Luminance [cd/m ²]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		759	468	267	208	173	196	241	332	661	---
90.0°		2381	1585	1075	715	516	291	298	365	727	---

Flujo montado o vista longitudinal												
		Iluminancia (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



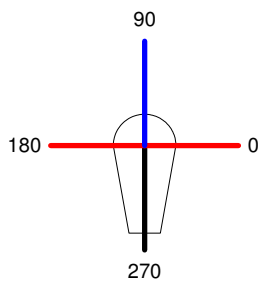
Luminaire

Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

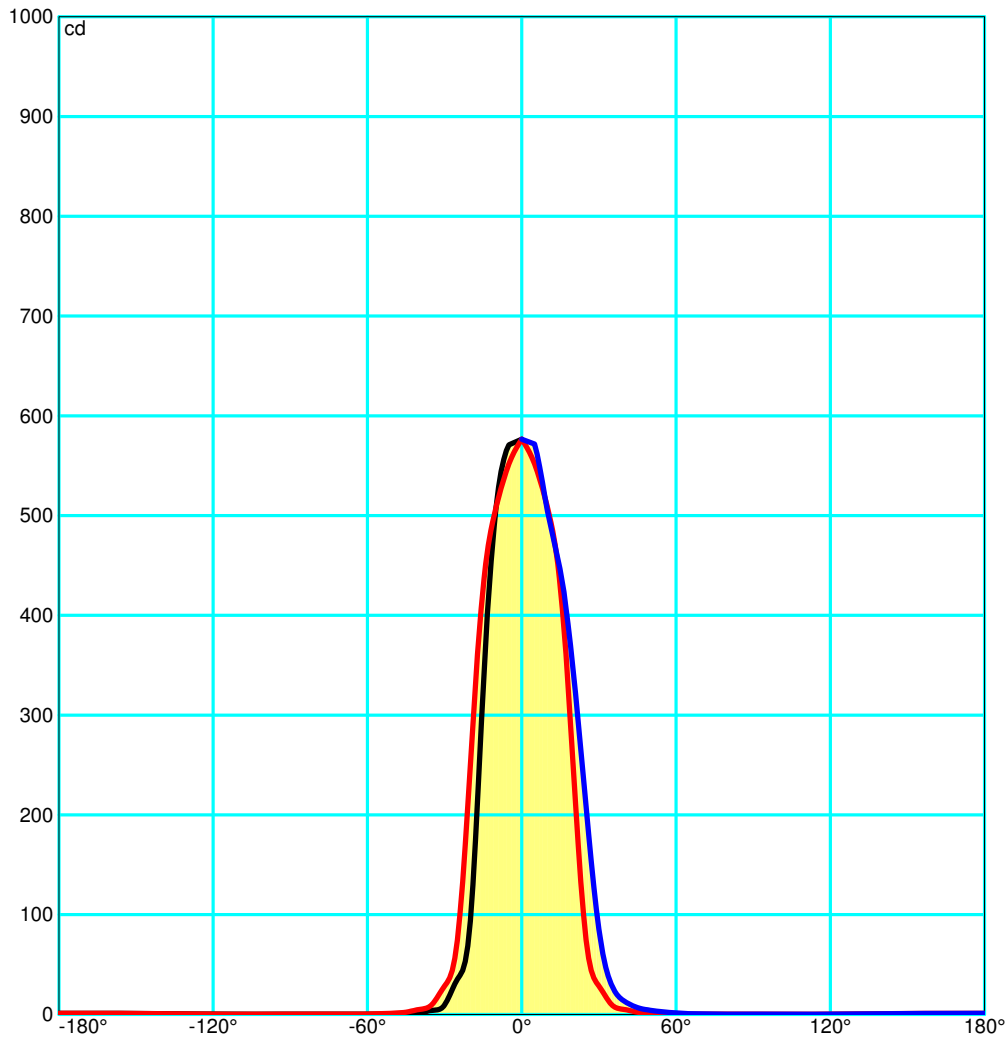
Measurem.

Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

Luminaire Flux	228.84 lm	Luminaire Power	6.00 W	Efficacy	38.14 lm/W	Efficiency	100.00%
Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90



Semiplanos C
 270.0 ————
 180.0 ———— 0.0
 ———— 90.0



Luminaire

Code PX-0111-NEG
Name Foco MINIMAL 3 leds green 6W

Measurement

Code PX-0111-NEG
Name Foco MINIMAL 3 leds green 6W

Luminaire Flux	228.84 lm	Luminaire Power	6.00 W	Efficacy	38.14 lm/W	Efficiency	100.00%
Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

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	2.0	2.6	2.2	2.8	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	1.9	2.5	2.2	2.8	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=4H	2.0	2.5	2.3	2.8	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=6H	2.1	2.6	2.5	2.9	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=8H	2.2	2.7	2.6	3.0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=12H	2.5	2.9	2.8	3.3	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=2H	1.9	2.5	2.2	2.7	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	1.9	2.4	2.3	2.7	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=4H	2.1	2.5	2.5	2.8	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=6H	2.3	2.7	2.7	3.0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=8H	2.6	2.8	3.0	3.2	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=12H	2.9	3.2	3.4	3.6	0.6	< 0	< 0	< 0	0.2	0.6
x=8H y=4H	2.1	2.4	2.5	2.8	< 0	< 0	< 0	< 0	< 0	< 0
x=8H y=6H	2.5	2.7	2.9	3.1	< 0	< 0	< 0	< 0	< 0	< 0
x=8H y=8H	2.8	3.0	3.3	3.5	0.4	< 0	< 0	< 0	< 0	0.4
x=8H y=12H	3.4	3.6	3.9	4.0	1.8	0.6	0.8	1.1	1.2	1.8
x=12H y=4H	2.1	2.3	2.5	2.8	< 0	< 0	< 0	< 0	< 0	< 0
x=12H y=6H	2.5	2.7	3.0	3.2	< 0	< 0	< 0	< 0	< 0	< 0
x=12H y=8H	2.9	3.1	3.4	3.6	0.7	< 0	< 0	0.1	0.2	0.7

Luminaire

Code PX-0111-NEG
Name Foco MINIMAL 3 leds green 6W

Measurum.

Code PX-0111-NEG
Name Foco MINIMAL 3 leds green 6W

Luminaire Flux	228.84 lm	Luminaire Power	6.00 W	Efficacy	38.14 lm/W	Efficiency	100.00%
Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG Sym. on planes	270-90

Flujo Total=228.84 Flujo Luminaria=228.84

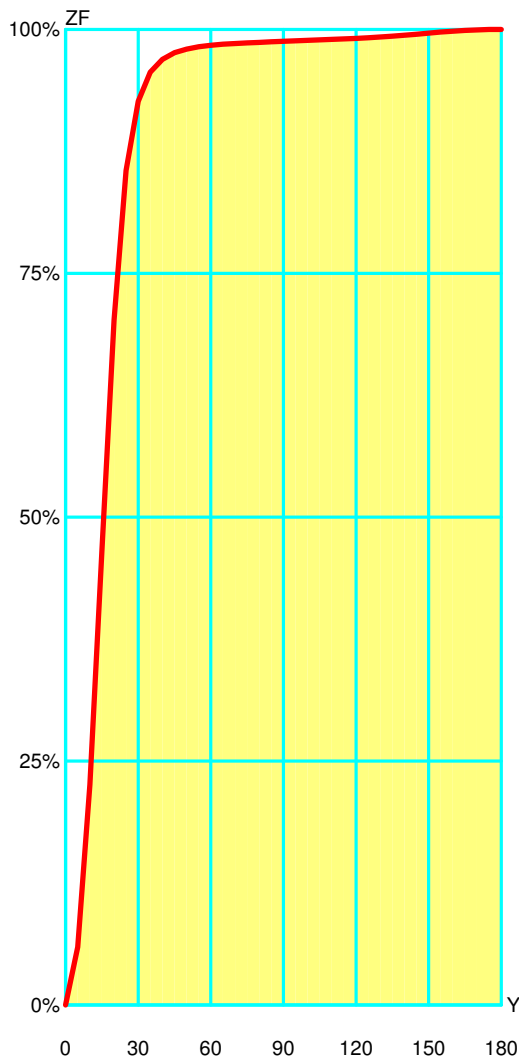
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.73	0.77	0.82	0.85	0.88	0.92	0.95	0.97	0.99	1.00	1.02	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	226	702	926	969	980	984	986	987	988	989	990	991	992	994	996	998	1000	1000

Códigos de Flujo C.I.E.
98 100 100 99 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	99.99869 %
D DIN 5040	A61	ULOR	1.22208 %
F UTE	--	DLOR	98.77660 %
B NBN	BZ 1	UFF	1.22210 %
RN	1.22210 %	DFF	98.77790 %
BLF	1.0	FFR	1.23722 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	59.32	59.32	5.93 %	5.93 %
10°	166.62	225.94	16.66 %	22.59 %
15°	239.57	465.51	23.96 %	46.55 %
20°	236.63	702.14	23.66 %	70.21 %
25°	153.22	855.36	15.32 %	85.54 %
30°	71.01	926.37	7.10 %	92.64 %
35°	29.70	956.07	2.97 %	95.61 %
40°	13.22	969.29	1.32 %	96.93 %
45°	6.85	976.13	0.68 %	97.61 %
50°	3.72	979.85	0.37 %	97.99 %
55°	2.32	982.17	0.23 %	98.22 %
60°	1.53	983.70	0.15 %	98.37 %
65°	1.09	984.79	0.11 %	98.48 %
70°	0.79	985.58	0.08 %	98.56 %
75°	0.61	986.19	0.06 %	98.62 %
80°	0.55	986.73	0.05 %	98.67 %
85°	0.52	987.25	0.05 %	98.73 %
90°	0.51	987.77	0.05 %	98.78 %
95°	0.50	988.26	0.05 %	98.83 %
100°	0.50	988.76	0.05 %	98.88 %
105°	0.50	989.26	0.05 %	98.93 %
110°	0.49	989.75	0.05 %	98.98 %
115°	0.49	990.24	0.05 %	99.03 %
120°	0.54	990.78	0.05 %	99.08 %
125°	0.63	991.42	0.06 %	99.14 %
130°	0.76	992.17	0.08 %	99.22 %
135°	0.88	993.06	0.09 %	99.31 %
140°	0.98	994.04	0.10 %	99.41 %
145°	1.07	995.11	0.11 %	99.51 %
150°	1.09	996.20	0.11 %	99.62 %
155°	1.06	997.26	0.11 %	99.73 %
160°	0.95	998.22	0.10 %	99.82 %
165°	0.78	998.99	0.08 %	99.90 %
170°	0.55	999.55	0.06 %	99.96 %
175°	0.33	999.88	0.03 %	99.99 %
180°	0.11	999.99	0.01 %	100.00 %

Luminaire

Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

Measurment

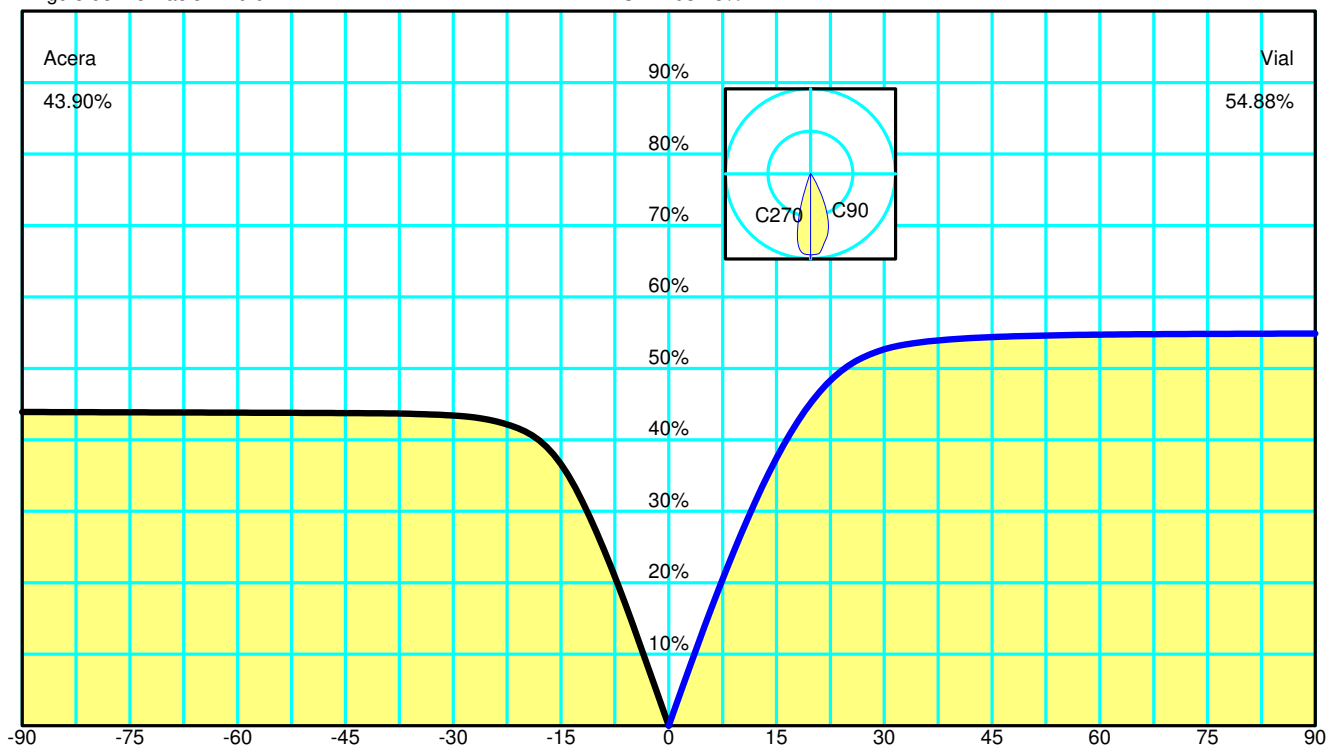
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 Name Foco MINIMAL 3 leds green 6W

Luminaire Flux	228.84 lm	Luminaire Power	6.00 W	Efficacy	38.14 lm/W	Efficiency	100.00%
Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG Sym. on planes 270-90	

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	14.14%	Piano	5	13.93%
Piano	-10	26.97%	Piano	10	26.67%
Piano	-15	36.59%	Piano	15	37.44%
Piano	-20	41.18%	Piano	20	45.49%
Piano	-25	42.80%	Piano	25	50.36%
Piano	-30	43.40%	Piano	30	52.67%
Piano	-35	43.62%	Piano	35	53.65%
Piano	-40	43.71%	Piano	40	54.12%
Piano	-45	43.74%	Piano	45	54.38%
Piano	-50	43.77%	Piano	50	54.54%
Piano	-55	43.79%	Piano	55	54.65%
Piano	-60	43.80%	Piano	60	54.72%
Piano	-65	43.82%	Piano	65	54.77%
Piano	-70	43.83%	Piano	70	54.80%
Piano	-75	43.85%	Piano	75	54.83%
Piano	-80	43.86%	Piano	80	54.85%
Piano	-85	43.88%	Piano	85	54.86%
Piano	-90	43.90%	Piano	90	54.88%

Ángulo de Inclinación = 0.0

DLOR = 98.78%

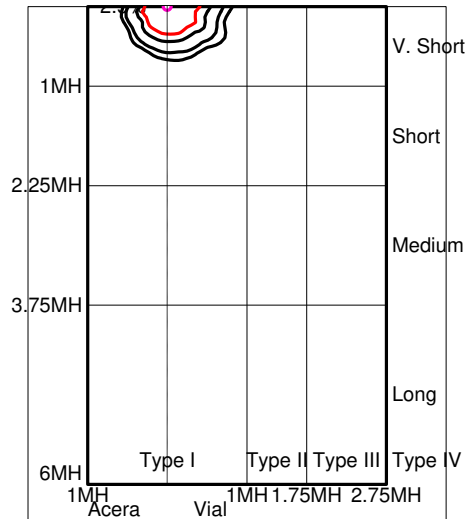
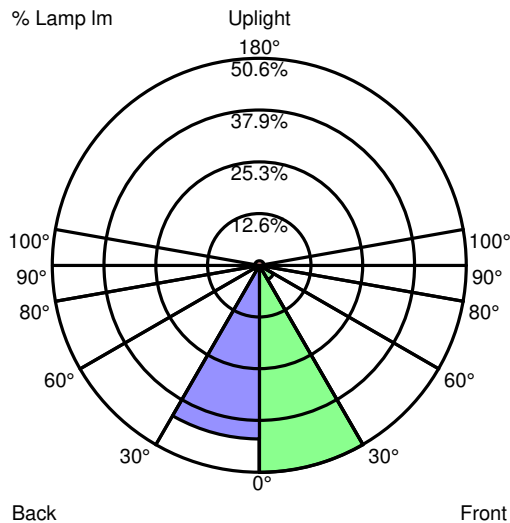


Spread	9.0° Estrecho	DLOR	98.77660 %
Throw	4.5° Corto	ULOR	1.22208 %
SLI (deslumbramiento)	Concentrado	Rendimiento	99.99869 %
Cutoff CIE	Cutoff - Max: C=0.0° Gamma=0.0°	RN	1.22210 %
Cutoff lesna	Cutoff	Clase de Intensidad Luminosa	G3
DIN5044	KB1	Índice de Deslumbramiento	D6
IESNA Type I Very Short Asymmetrical			

Luminaire
 Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W
Measurement
 Code PX-0111-NEG
 Name Foco MINIMAL 3 leds green 6W

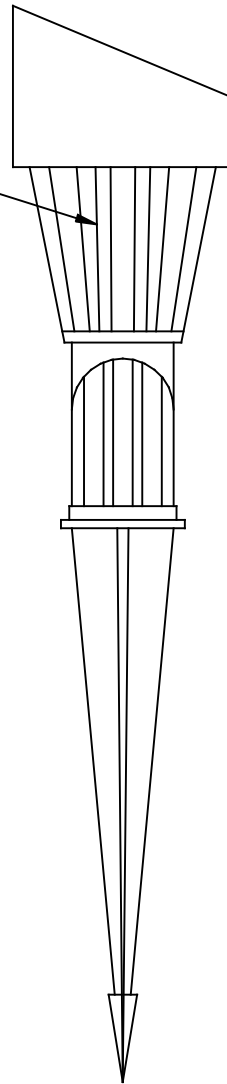
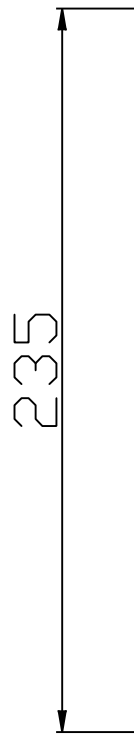
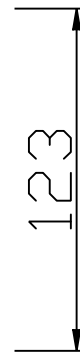
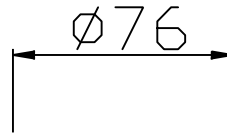
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Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

US ROAD STANDARDS



Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	115.7 lm	50.6 %	50.6 %
FM	30° -- 60°	9.3 lm	4.0 %	4.0 %
FH	60° -- 80°	0.5 lm	0.2 %	0.2 %
FVH	80° -- 90°	0.1 lm	0.1 %	0.1 %
BL	0° -- 30°	97.0 lm	42.4 %	42.4 %
BM	30° -- 60°	3.1 lm	1.3 %	1.3 %
BH	60° -- 80°	0.2 lm	0.1 %	0.1 %
BVH	80° -- 90°	0.1 lm	0.0 %	0.0 %
UL	90° -- 100°	0.2 lm	0.1 %	0.1 %
UH	100° -- 180°	2.6 lm	1.1 %	1.1 %
TOTALS		228.8 lm	100.0 %	100.0 %
		BUG B0 U1 G0	Type I Very Short	Asymmetrical

ALUMINIUM / BLACK





Minimal Green

PX-0111

FOR
LIGHT

