

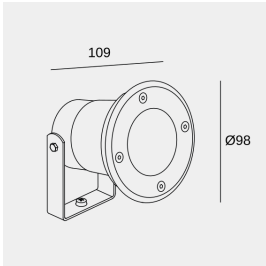


Post

PX-1400-NEG

Spotlight IP65 Post GU10 8W Black

TECHNICAL FEATURES



IP65 IK09



180°



Luminaire total power : 8W

Structure material : Aluminium, Aluminium

Structure finish : Black

Diffuser material : Glass

Diffuser finish : Transparent

Max. size of light bulb : 55/50 mm

Recommended light bulb : GU10

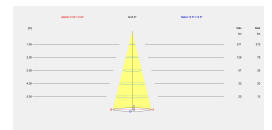
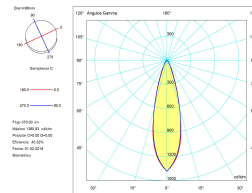
Voltage / frequency : 100-240V ~ 50/60Hz

Warranty : 5 Years

Easily recyclable luminaire

LUMINOTECHNIC FEATURES

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
GU10	1	Max. power 8W	-



LOGISTICS

Net weight (kg): 0.47

Packaged weight (kg): 0.58

Packaging: 100mm x 100mm x 180mm

20 Un



Luminaire

Code PX-1400-NEG
Name Aplique HELIO 1x50W GU10

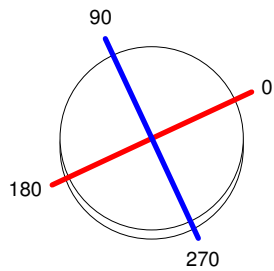
Measurement

Code PX-1400-NEG
Name Aplique HELIO 1x50W GU10

Luminaire Flux	160.28 lm	Luminaire Power	100.00 W	Efficacy	1.60 lm/W	Efficiency	43.32%
Lamps Flux	370.00 lm	Maximum value	510.91 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire	Diam.	98 mm	Height	98 mm			
Round Luminous Area	Diam.	50 mm	Height	10 mm			
Horizontal Luminous Area	0.001963 m2	Emitting area on Plane 180°		0.000500 m2			
Emitting area on Plane 0°	0.000500 m2	Emitting area on Plane 270°		0.000500 m2			
Emitting area on Plane 90°	0.000500 m2	Glare area at 76°		0.000960 m2			
Coordinate system	CG	Symmetry Type		Double Symmetrical			
Date	01-02-2016	Maximum Gamma Angle		90			
Measurement Distance	0.00	Measurement Flux		370.00 lm			
Operator	25.00 °C			Source Voltage [V]			
Temperature	60.00 %			Source current [A]			
Humidity				Photocell			
Notes							

Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		64826FL	Name 64826FL - 100.00 W		370.00	100.00	1
C.I.E.	91 97 99 100 43		D DIN 5040		A60		
F UTE	0.43 A		B NBN		BZ 1		

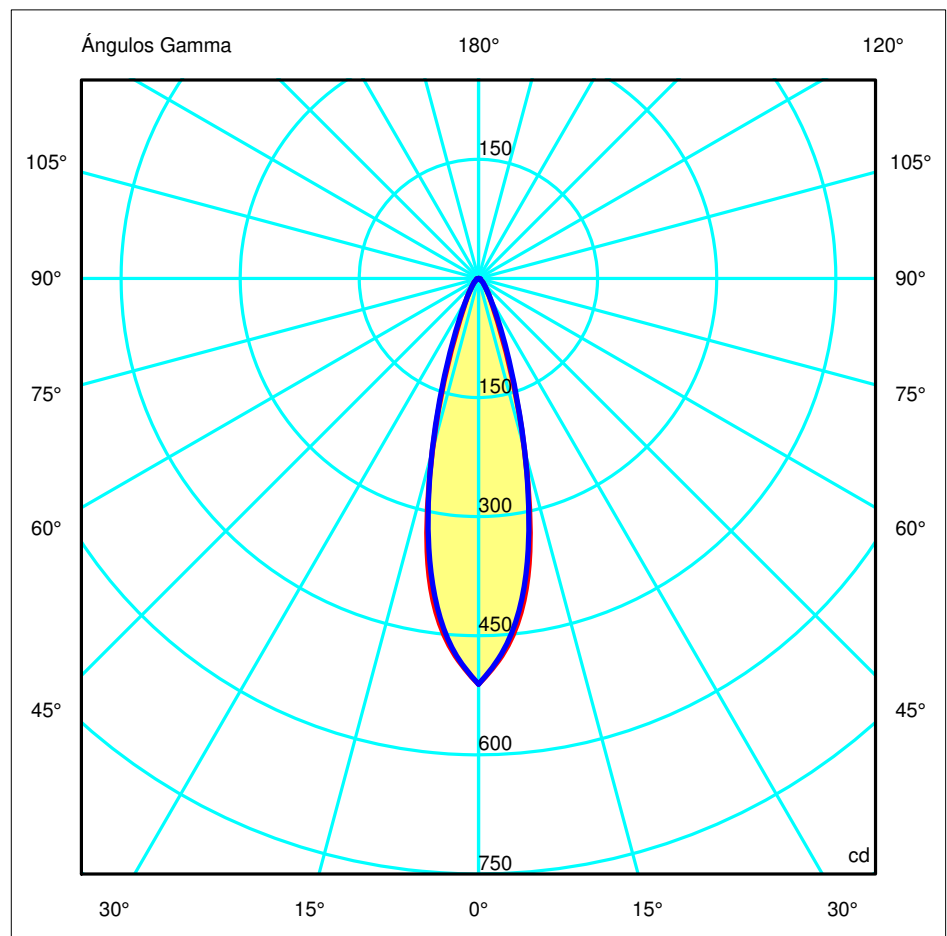
Diam=98mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 43.32 %
RN 0.00 %



Luminaire

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Measurem.

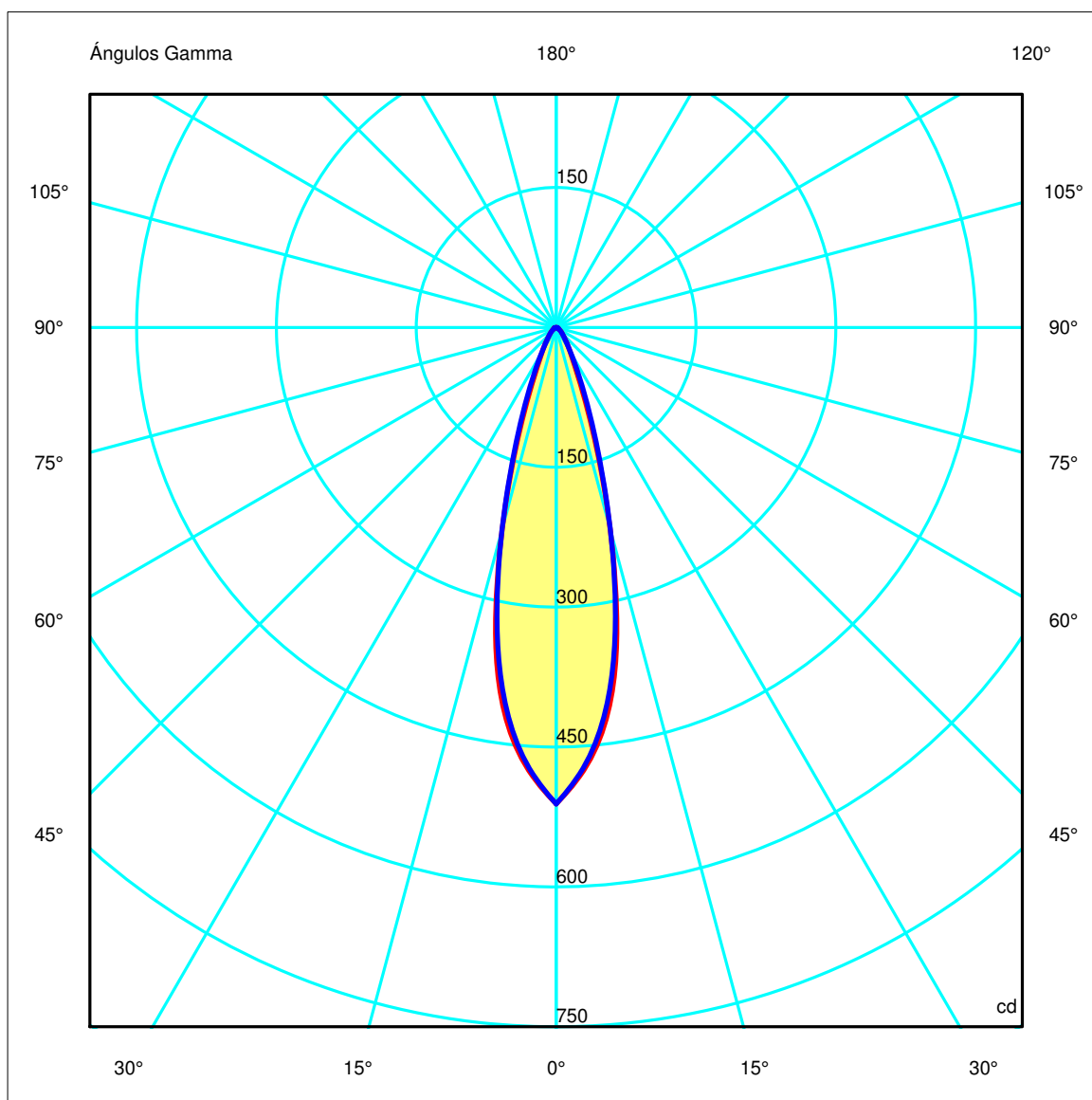
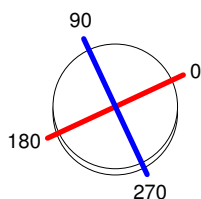
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Diam=98mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



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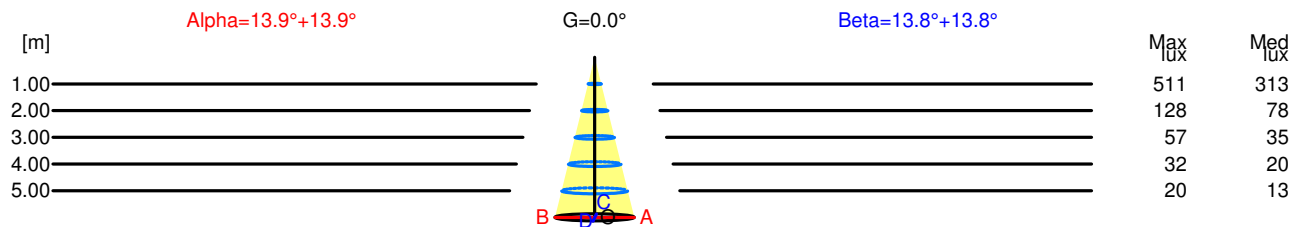
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Width at 50.00 % of Max Intensity

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	0.25	0.50	0.74	0.99	1.24	OC	0.25	0.49	0.74	0.98	1.23
OB	0.25	0.50	0.74	0.99	1.24	OD	0.25	0.49	0.74	0.98	1.23

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	510.91	458.24	223.92	50.37	19.27	8.89	3.98	2.62	1.61	0.78
OB	510.91	458.24	223.92	50.37	19.27	8.89	3.98	2.62	1.61	0.78
OC	510.91	453.48	224.45	59.94	18.80	8.99	4.57	2.49	1.51	0.75
OD	510.91	453.48	224.45	59.94	18.80	8.99	4.57	2.49	1.51	0.75



H[m]	D[m]	Max lux	Med lux	Alpha=13.9°+13.9°	G=0.0
1.00	0.50	511	313		
2.00	0.99	128	78		
3.00	1.49	57	35		
4.00	1.98	32	20		
5.00	2.48	20	13		

H[m]	D[m]	Max lux	Med lux	Beta=13.8°+13.8°	G=0.0
1.00	0.49	511	313		
2.00	0.98	128	78		
3.00	1.48	57	35		
4.00	1.97	32	20		
5.00	2.46	20	13		

Luminaire

Code PX-1400-NEG
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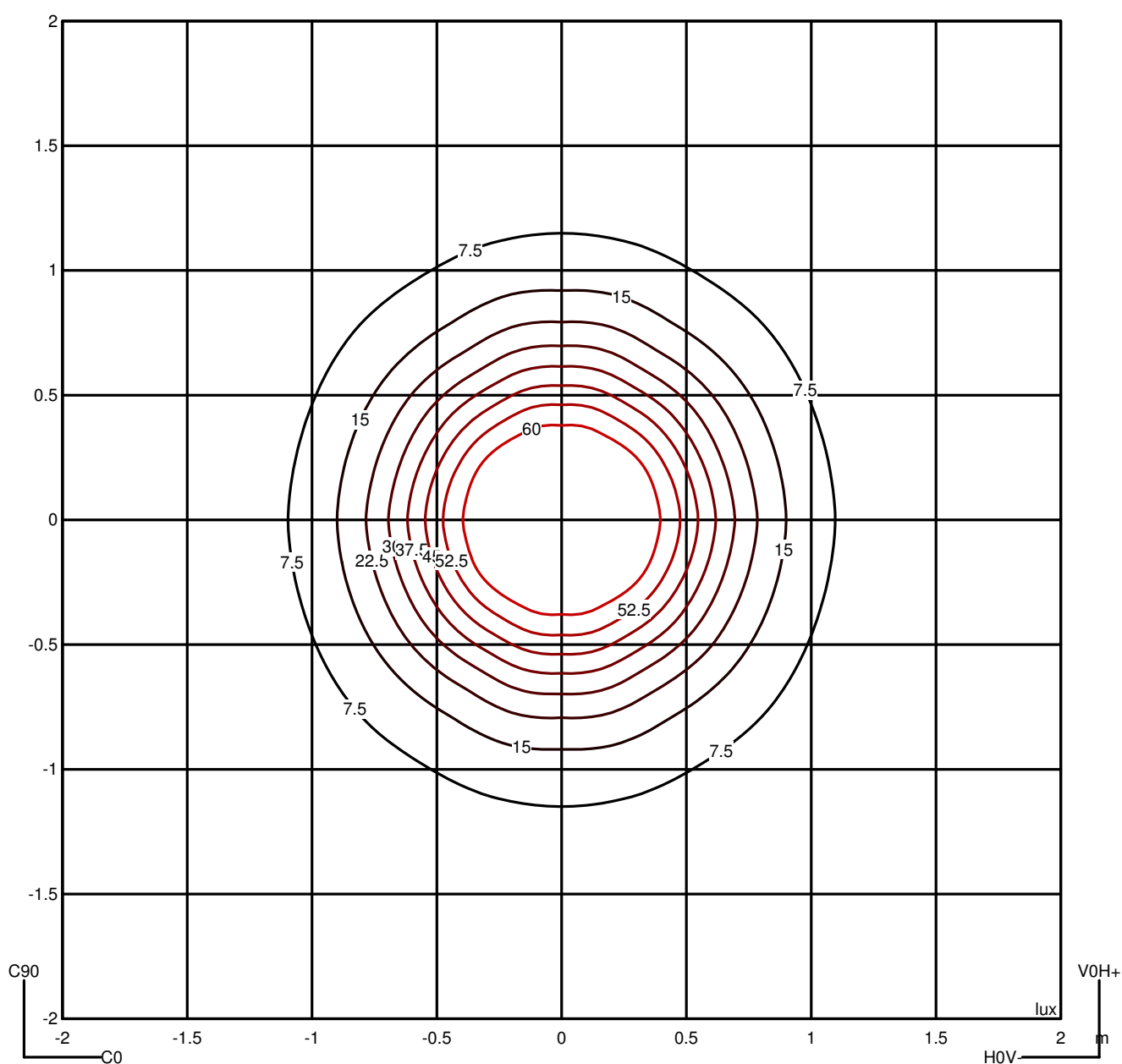
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Isolux (Floor)

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



Luminaire

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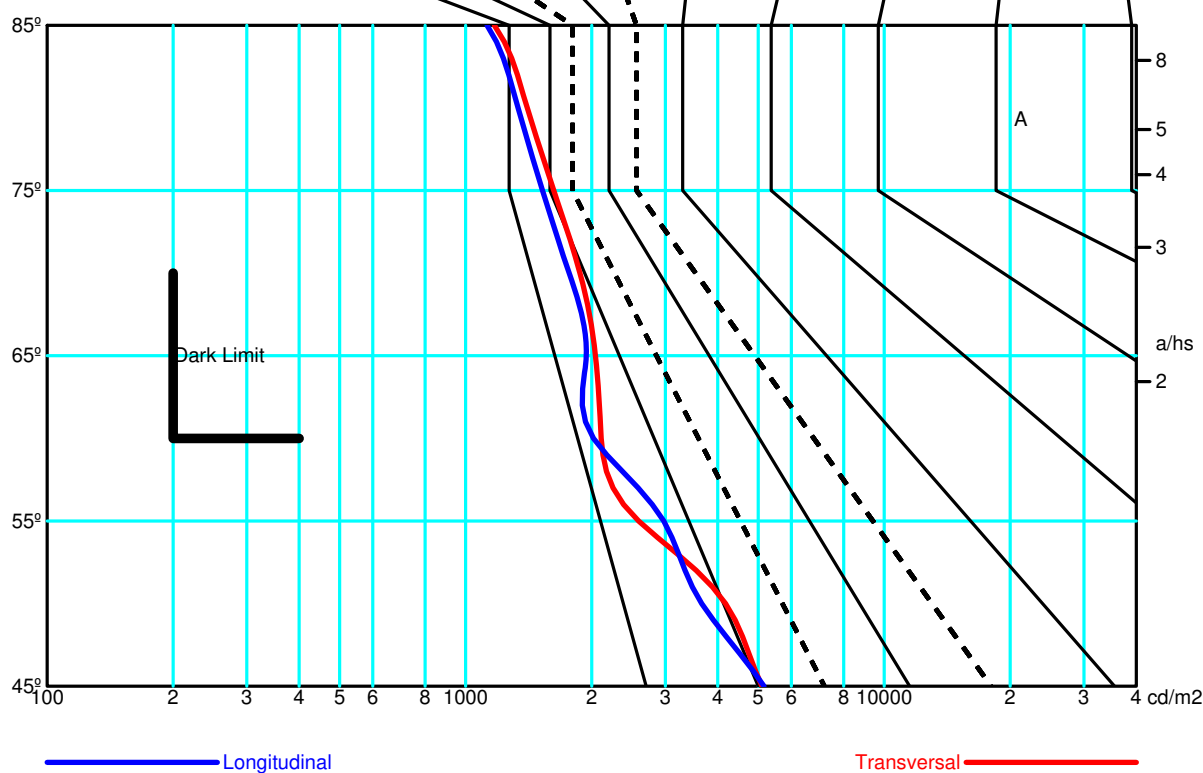
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Average Luminance [cd/m²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
5102	5102	4179	2591	2108	2044	1875	1624	1404	1171	---
90.0°	5159	3664	2973	2021	1940	1767	1527	1335	1125	---

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

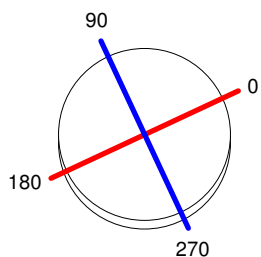
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Measurem.

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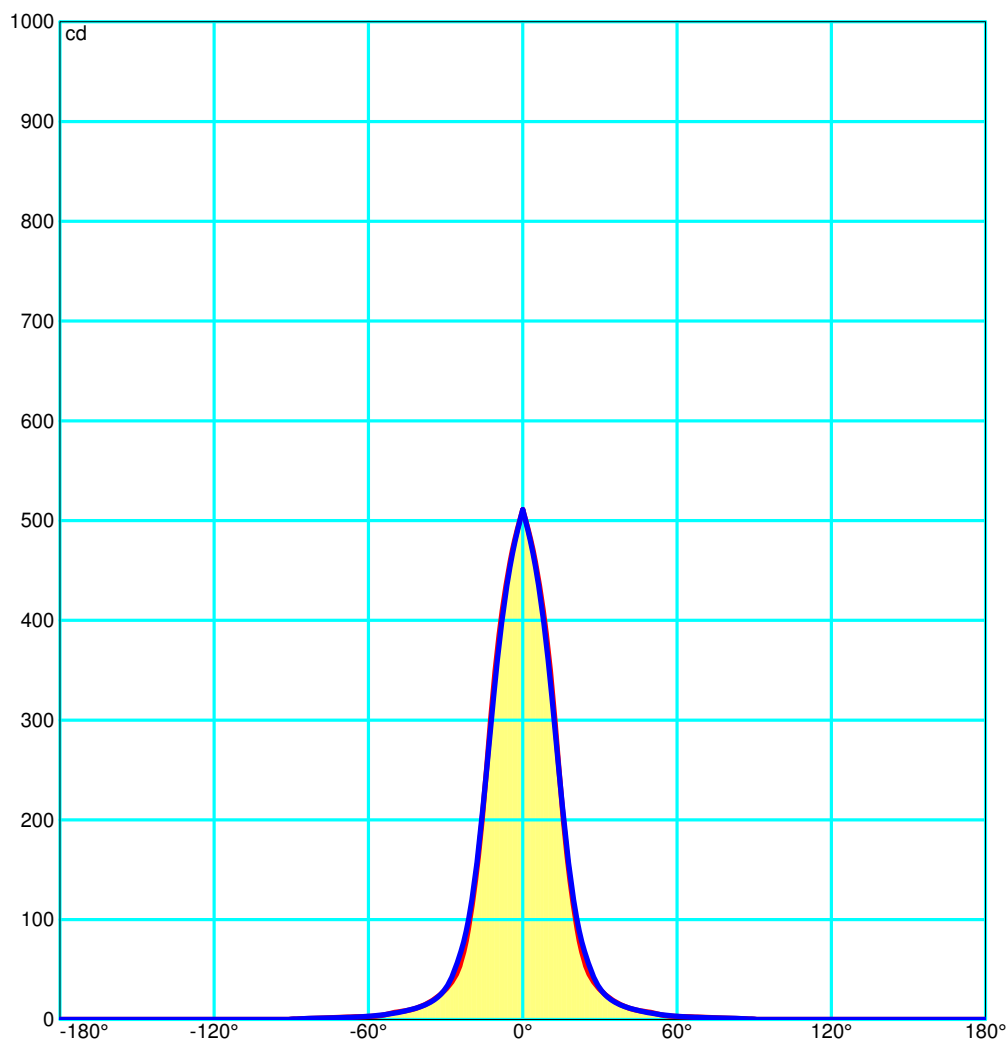
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Diam=98mm



Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



Luminaire

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Lamps Flux	370.00 lm	Maximum value	510.91 cd	Position	C=0.00 G=0.00	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										
RoomDimensions	ViewedCrosswise					ViewedEndwise				
	x=2H	y=2H	x=2H	y=3H	x=2H	y=4H	x=2H	y=6H	x=2H	y=8H
x=2H y=2H	11.4	12.1	11.6	12.3	12.6	11.4	12.2	11.7	12.4	12.6
x=2H y=3H	12.1	12.8	12.4	13.1	13.3	12.1	12.8	12.4	13.1	13.3
x=2H y=4H	12.5	13.1	12.8	13.4	13.6	12.4	13.1	12.7	13.3	13.6
x=2H y=6H	12.8	13.4	13.1	13.7	13.9	12.7	13.3	13.0	13.6	13.9
x=2H y=8H	12.9	13.5	13.2	13.8	14.0	12.8	13.4	13.1	13.7	14.0
x=4H y=2H	13.0	13.6	13.4	13.9	14.1	12.9	13.5	13.3	13.8	14.1
x=4H y=3H	11.7	12.3	12.0	12.6	12.9	11.7	12.4	12.0	12.6	12.9
x=4H y=4H	12.7	13.2	13.0	13.5	13.8	12.6	13.2	13.0	13.5	13.8
x=4H y=6H	13.2	13.6	13.6	14.0	14.2	13.1	13.6	13.5	13.9	14.2
x=4H y=8H	13.6	14.0	14.0	14.4	14.7	13.5	13.9	13.9	14.3	14.7
x=8H y=2H	13.8	14.2	14.2	14.5	14.8	13.7	14.1	14.1	14.4	14.8
x=8H y=4H	14.0	14.3	14.4	14.7	15.0	13.9	14.2	14.3	14.6	15.0
x=8H y=6H	13.4	13.8	13.8	14.1	14.5	13.3	13.7	13.8	14.1	14.5
x=8H y=8H	14.0	14.2	14.4	14.7	15.0	13.9	14.1	14.3	14.6	15.0
x=12H y=2H	14.2	14.5	14.7	14.9	15.3	14.1	14.3	14.6	14.8	15.3
x=12H y=4H	14.5	14.7	15.0	15.2	15.5	14.4	14.6	14.9	15.0	15.5
x=12H y=6H	13.4	13.7	13.8	14.1	14.5	13.3	13.6	13.7	14.0	14.5
x=12H y=8H	14.0	14.2	14.5	14.7	15.1	13.9	14.1	14.4	14.6	15.1
x=12H y=10H	14.3	14.5	14.8	15.0	15.4	14.2	14.4	14.7	14.9	15.4

Luminaire

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Measurment

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Flujo Total=370.00 Flujo Luminaria=160.28

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	0.66	0.71	0.77	0.81	0.84	0.89	0.92	0.94	0.96	0.98	1.00	1.01
RC	-	-	-	-	-	-	-	-	-	-	-	-

Flujo Zonal por 1000 Lúmenes

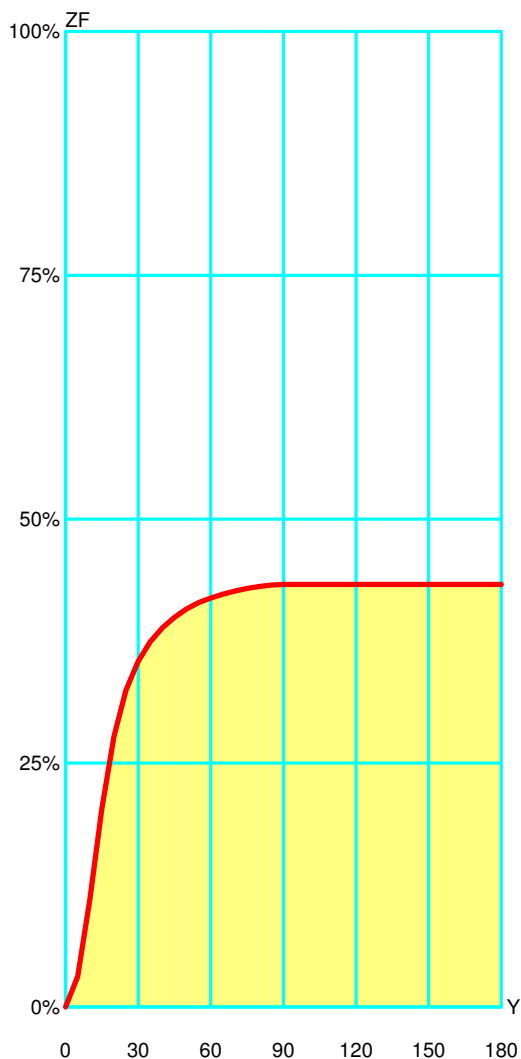
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	110	278	354	389	408	419	426	431	433	433	433	433	433	433	433	433	433	433

Códigos de Flujo C.I.E.

91 97 99 100 43

C.I.E. -/-/-/-/-/-/-/-/-/-
D DIN 5040 A60
F UTE 0.43 A
B NBN BZ 1
RN 0.00000 %
BLF 1.0

LOR 43.31802 %
ULOR 0.00000 %
DLOR 43.31802 %
UFF 0.00000 %
DFF 100.00000 %
FFR 0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	31.29	31.29	7.22 %	7.22 %
10°	79.10	110.39	18.26 %	25.48 %
15°	93.18	203.58	21.51 %	47.00 %
20°	74.13	277.71	17.11 %	64.11 %
25°	47.28	324.98	10.91 %	75.02 %
30°	29.38	354.37	6.78 %	81.81 %
35°	20.00	374.37	4.62 %	86.42 %
40°	14.33	388.69	3.31 %	89.73 %
45°	10.80	399.49	2.49 %	92.22 %
50°	8.50	407.99	1.96 %	94.18 %
55°	6.52	414.51	1.51 %	95.69 %
60°	4.72	419.23	1.09 %	96.78 %
65°	3.81	423.04	0.88 %	97.66 %
70°	3.33	426.36	0.77 %	98.43 %
75°	2.65	429.01	0.61 %	99.04 %
80°	1.98	430.99	0.46 %	99.49 %
85°	1.42	432.41	0.33 %	99.82 %
90°	0.77	433.18	0.18 %	100.00 %
95°	0.00	433.18	0.00 %	100.00 %
100°	0.00	433.18	0.00 %	100.00 %
105°	0.00	433.18	0.00 %	100.00 %
110°	0.00	433.18	0.00 %	100.00 %
115°	0.00	433.18	0.00 %	100.00 %
120°	0.00	433.18	0.00 %	100.00 %
125°	0.00	433.18	0.00 %	100.00 %
130°	0.00	433.18	0.00 %	100.00 %
135°	0.00	433.18	0.00 %	100.00 %
140°	0.00	433.18	0.00 %	100.00 %
145°	0.00	433.18	0.00 %	100.00 %
150°	0.00	433.18	0.00 %	100.00 %
155°	0.00	433.18	0.00 %	100.00 %
160°	0.00	433.18	0.00 %	100.00 %
165°	0.00	433.18	0.00 %	100.00 %
170°	0.00	433.18	0.00 %	100.00 %
175°	0.00	433.18	0.00 %	100.00 %
180°	0.00	433.18	0.00 %	100.00 %

Luminaire

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Measurement

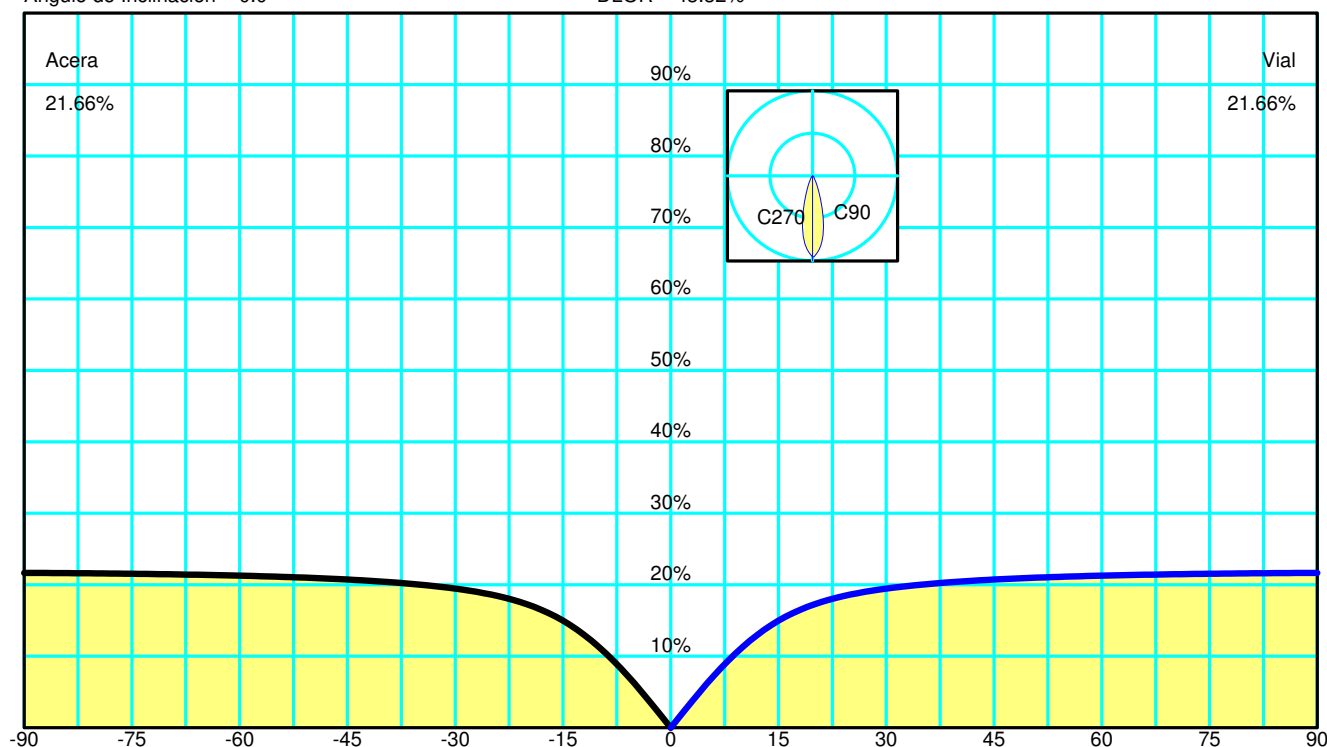
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Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	6.13%	Piano	5	6.13%
Piano	-10	11.29%	Piano	10	11.29%
Piano	-15	14.98%	Piano	15	14.98%
Piano	-20	17.26%	Piano	20	17.26%
Piano	-25	18.62%	Piano	25	18.62%
Piano	-30	19.46%	Piano	30	19.46%
Piano	-35	20.02%	Piano	35	20.02%
Piano	-40	20.42%	Piano	40	20.42%
Piano	-45	20.73%	Piano	45	20.73%
Piano	-50	20.96%	Piano	50	20.96%
Piano	-55	21.13%	Piano	55	21.13%
Piano	-60	21.27%	Piano	60	21.27%
Piano	-65	21.38%	Piano	65	21.38%
Piano	-70	21.47%	Piano	70	21.47%
Piano	-75	21.54%	Piano	75	21.54%
Piano	-80	21.60%	Piano	80	21.60%
Piano	-85	21.64%	Piano	85	21.64%
Piano	-90	21.66%	Piano	90	21.66%

Ángulo de Inclinación = 0.0

DLOR = 43.32%



Spread	4.7° Estrecho	DLOR	43.31802 %
Throw	2.4° Corto	ULOR	0.00000 %
SLI (deslumbramiento)	1.05 Concentrado	Rendimiento	43.31802 %
Cutoff CIE	Cutoff - Max: C=0.0° Gamma=0.0°	RN	0.00000 %
Cutoff Iesna	Cutoff	Clase de Intensidad Luminosa	G5
DIN5044	KB1	Índice de Deslumbramiento	D6
IESNA Type V Very Short Quadrilateral Symmetry			

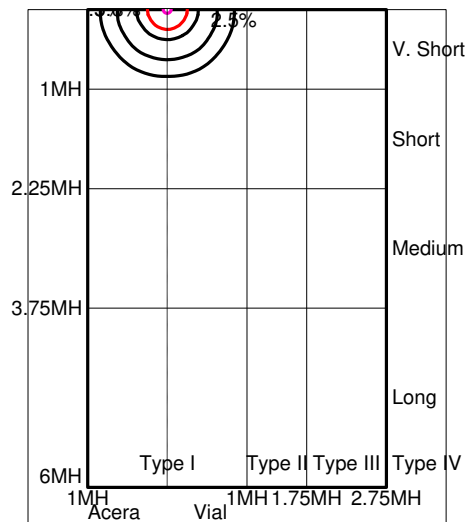
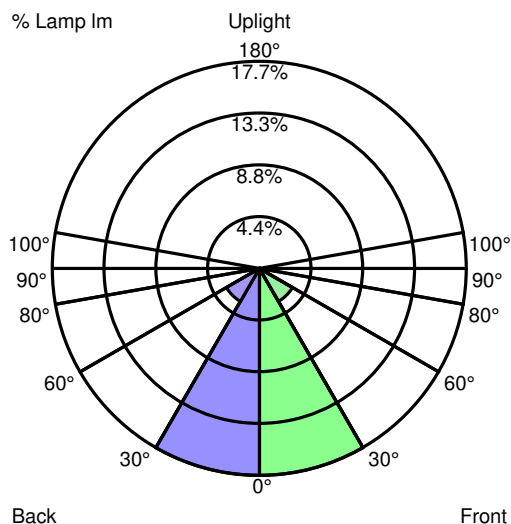
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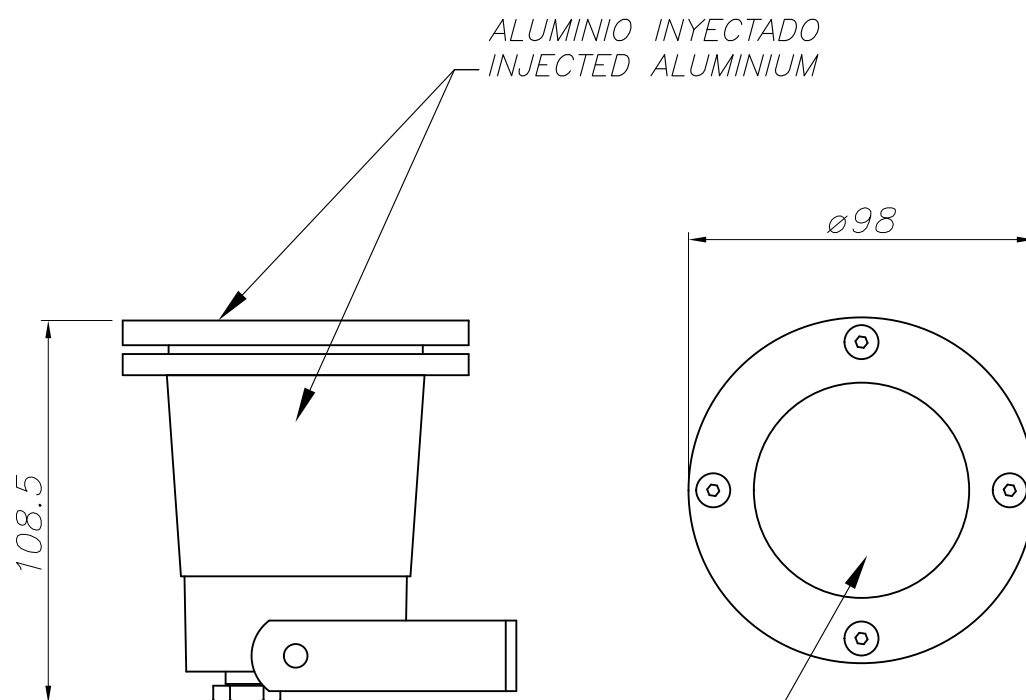
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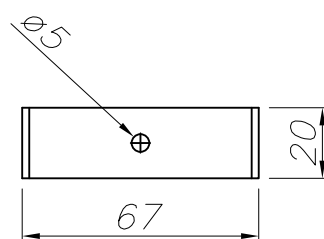
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US ROAD STANDARDS


Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp
FL	0° -- 30°	65.4 lm	17.7 %
FM	30° -- 60°	12.0 lm	3.3 %
FH	60° -- 80°	2.2 lm	0.6 %
FVH	80° -- 90°	0.4 lm	0.1 %
BL	0° -- 30°	65.4 lm	17.7 %
BM	30° -- 60°	12.0 lm	3.3 %
BH	60° -- 80°	2.2 lm	0.6 %
BVH	80° -- 90°	0.4 lm	0.1 %
UL	90° -- 100°	0.0 lm	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %
TOTALS		160.3 lm	43.3 %
BUG B0 U0 G0 Type V Very Short Quadrilateral Symmetry			



CRISTAL TEMPLADO TRANSPARENTE
TRANSPARENT TEMPERED GLASS



PLANTILLA DE INSTALACIÓN
INSTALLATION TEMPLATE



FOR
LIGHT

