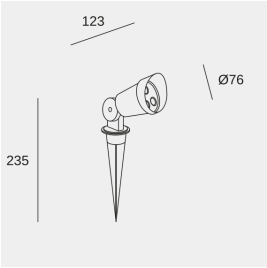
FOR LIGHT

Minimal Green

PX-0111-NEG

Spotlight IP65 Minimal Green LED 7.4W green ON-OFF Black 420.00





TECHNICAL FEATURES

IP65 IK08 RF 850°C ±180° LED DRIVER ATG

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

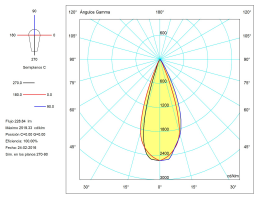
Useful life : 36.000h L70B30

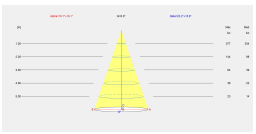
Warranty : 5 Years

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

LIGHT APPLICATION

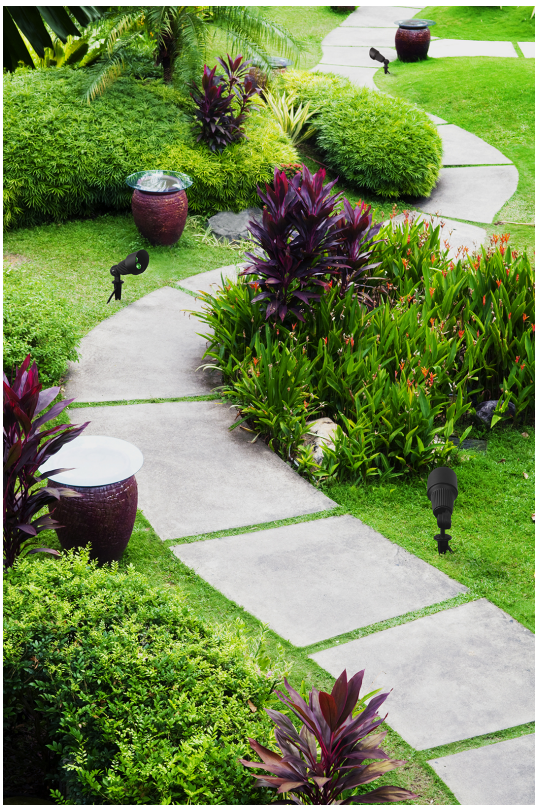


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

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

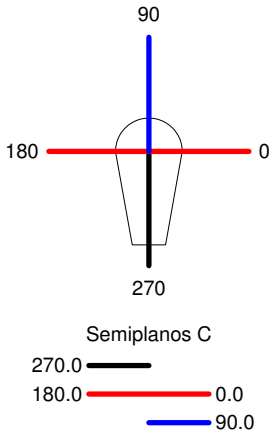
Luminaire Flux	228.84 lm	Luminaire Power	6.00 W	Efficacy	38.14 lm/W	Efficiency	100.00%
Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

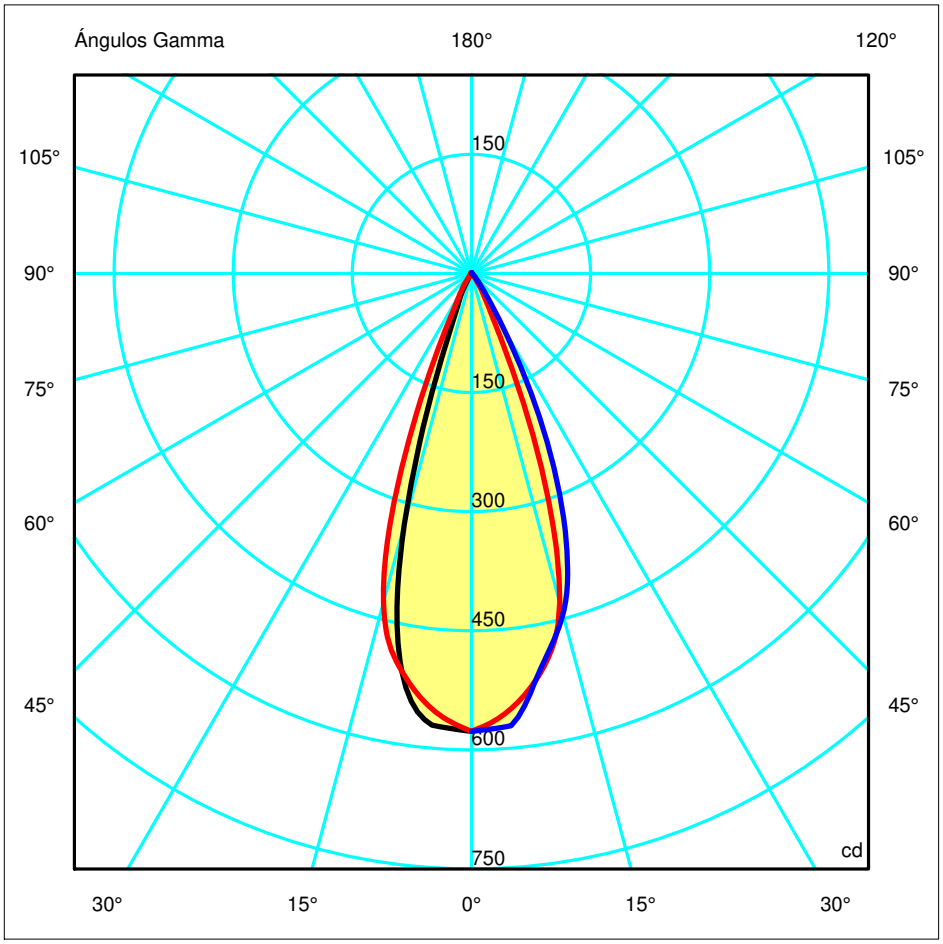
Round Luminaire	Diam. 75 mm	Height	200 mm
Round Luminous Area	Diam. 72 mm	Height	0 mm
Horizontal Luminous Area	0.004072 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.000985 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			

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	PX-0111-NEG	PX-0111-NEG - 6.00 W	228.84	6.00	1

C.I.E. 98 100 100 99 100 D DIN 5040 A61

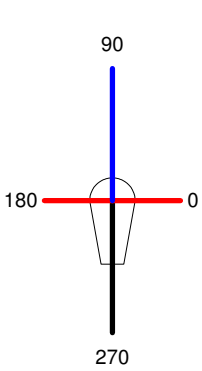


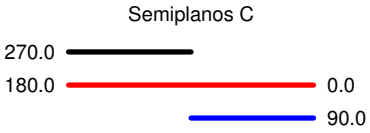


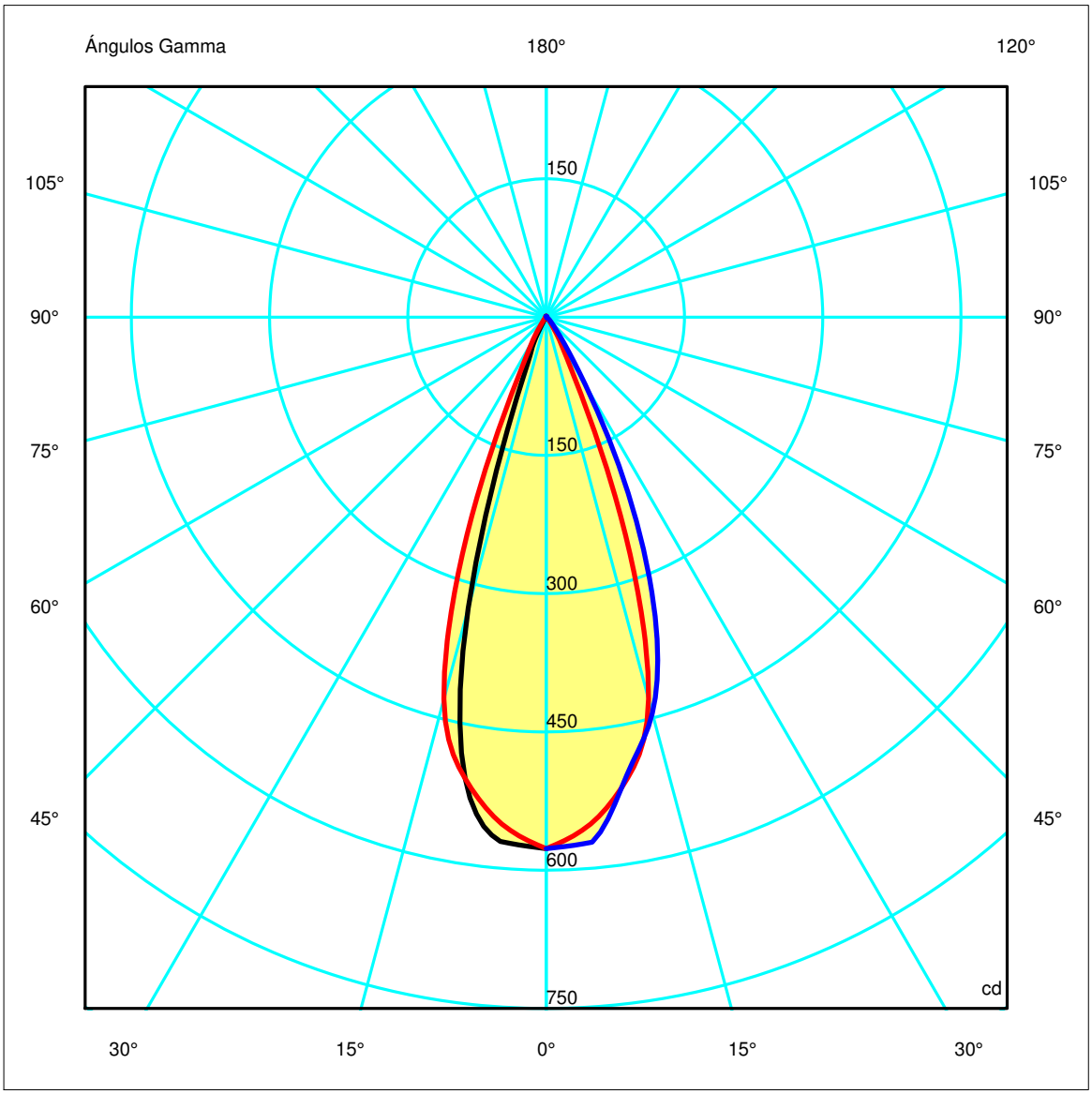
ULOR	1.22 %
DLOR	98.78 %
RN	1.22 %

Luminaire
Code PX-0111-NEG
Name Foco MINIMAL 3 leds green 6W
Measurem.
Code PX-0111-NEG
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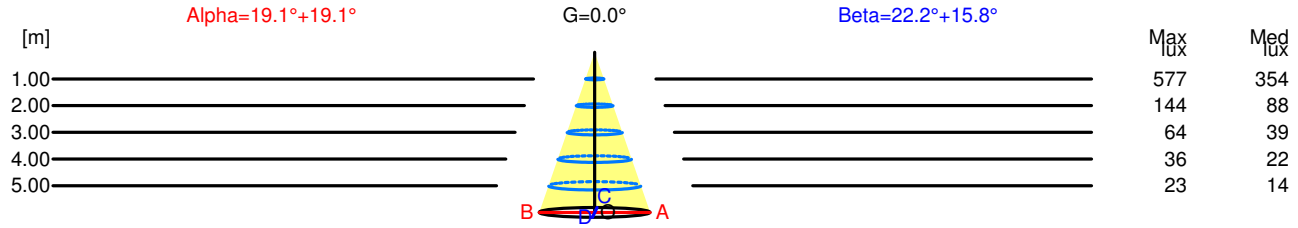
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Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

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	

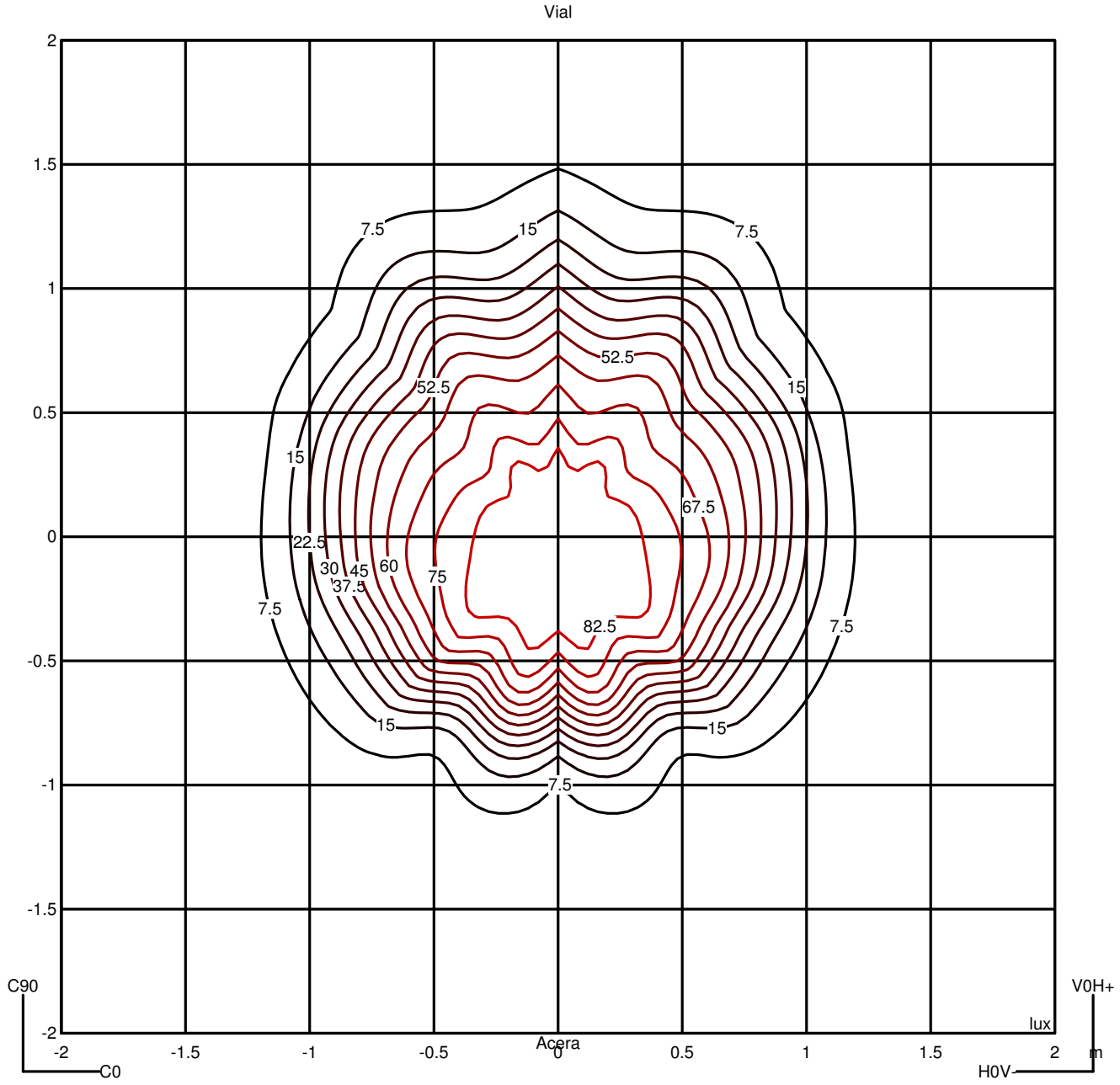
H[m]	D[m]	Max lux	Med lux	Beta=15.8°+22.2° G=0.0
1.00	0.69	577	354	
2.00	1.38	144	88	
3.00	2.07	64	39	
4.00	2.76	36	22	
5.00	3.45	23	14	

Luminaire
Code PX-0111-NEG
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Measurem.
Code PX-0111-NEG
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Isolux (Floor)

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



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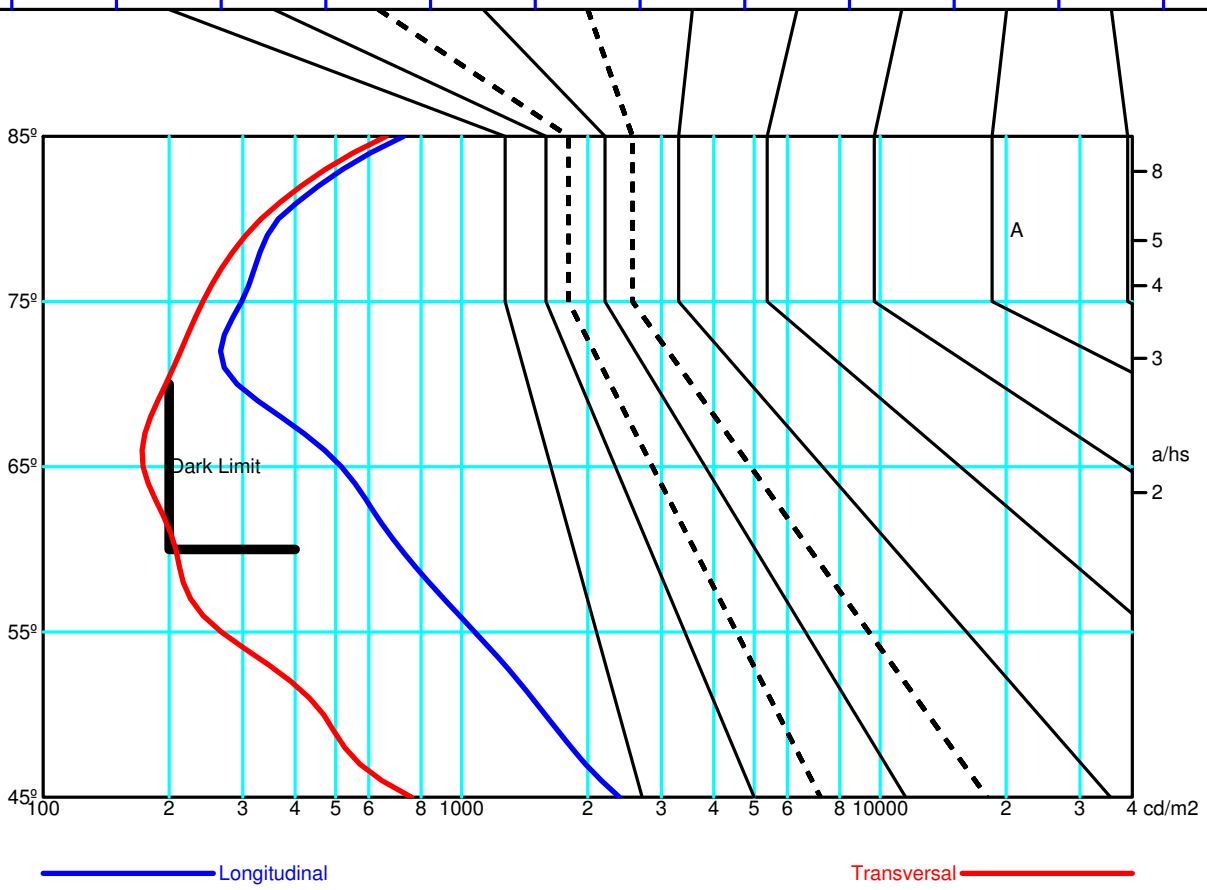
Luminaire Flux	228.84 lm	Luminaire Power	6.00 W	Efficacy	38.14 lm/W	Efficiency	100.00%
Lamps Flux	228.84 lm	Maximum value	576.52 cd	Position	C=0.00 G=0.00	CG	Sym. on planes 270-90

Average Luminance [cd/m²]

	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

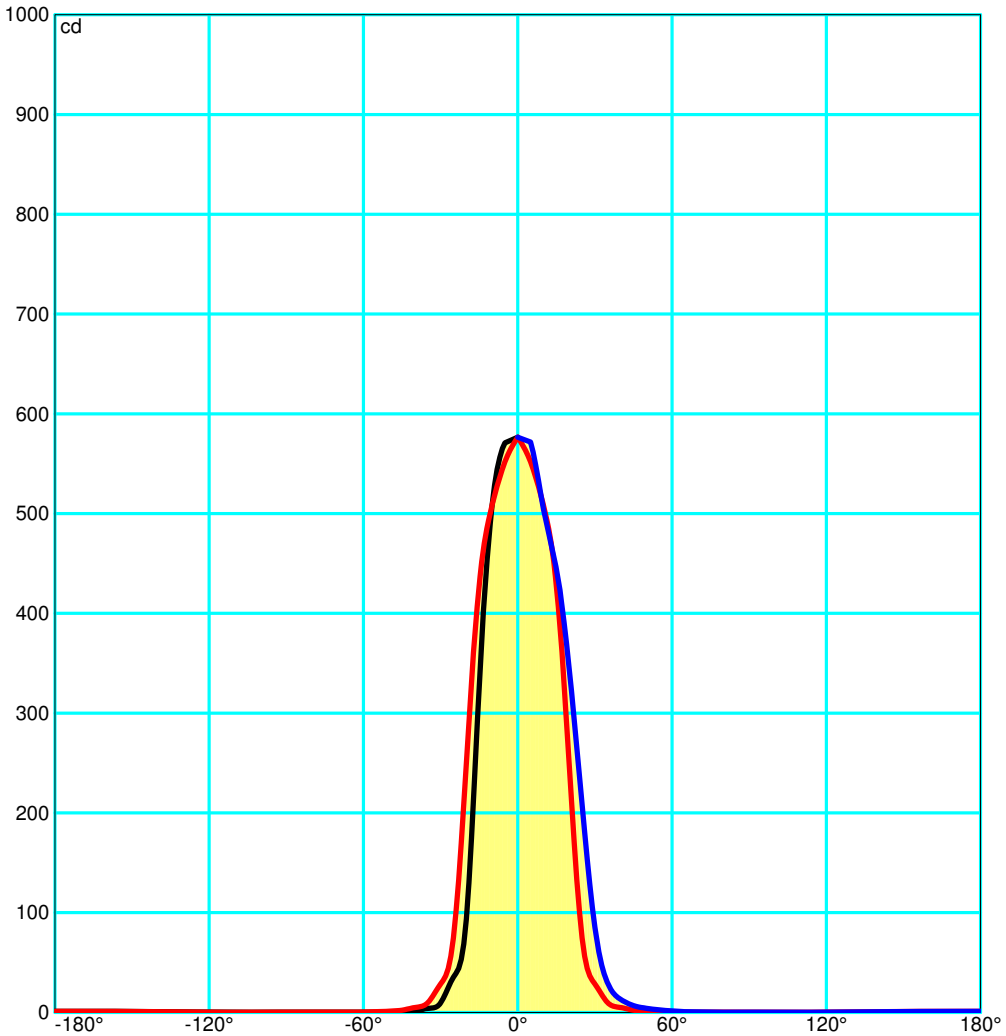
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



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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

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
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Measurem.
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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

Flujo Total=228.84 Flujo Luminaria=228.84

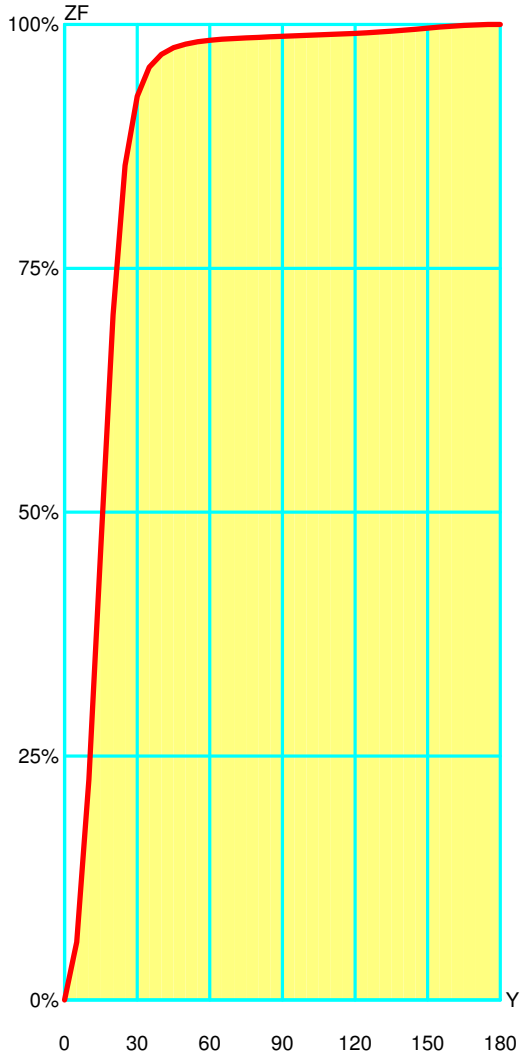
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.73	0.77	0.82	0.85	0.88	0.92	0.95	0.97	0.99	1.00	1.02	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

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 %



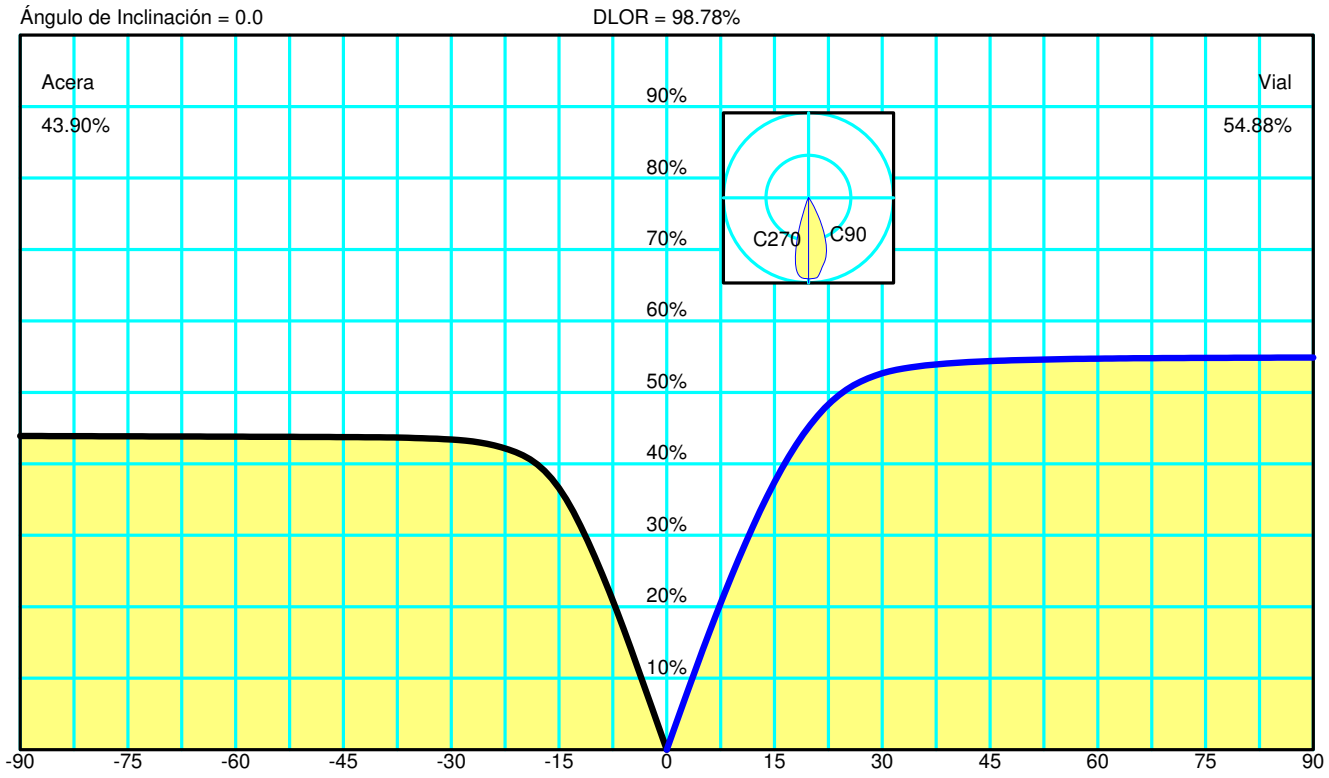
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	59.32	59.32	5.93 %	5.93 %
10°	166.62	225.94	16.66 %	22.59 %
15°	239.57	465.51	23.96 %	46.55 %
20°	236.63	702.14	23.66 %	70.21 %
25°	153.22	855.36	15.32 %	85.54 %
30°	71.01	926.37	7.10 %	92.64 %
35°	29.70	956.07	2.97 %	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
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Pavement		
Piano	0	0.00%
Piano	-5	14.14%
Piano	-10	26.97%
Piano	-15	36.59%
Piano	-20	41.18%
Piano	-25	42.80%
Piano	-30	43.40%
Piano	-35	43.62%
Piano	-40	43.71%
Piano	-45	43.74%
Piano	-50	43.77%
Piano	-55	43.79%
Piano	-60	43.80%
Piano	-65	43.82%
Piano	-70	43.83%
Piano	-75	43.85%
Piano	-80	43.86%
Piano	-85	43.88%
Piano	-90	43.90%

Road		
Piano	0	0.00%
Piano	5	13.93%
Piano	10	26.67%
Piano	15	37.44%
Piano	20	45.49%
Piano	25	50.36%
Piano	30	52.67%
Piano	35	53.65%
Piano	40	54.12%
Piano	45	54.38%
Piano	50	54.54%
Piano	55	54.65%
Piano	60	54.72%
Piano	65	54.77%
Piano	70	54.80%
Piano	75	54.83%
Piano	80	54.85%
Piano	85	54.86%
Piano	90	54.88%



Spread	9.0°	Estrecho
Throw	4.5°	Corto
SLI (deslumbramiento)	12.0	Concentrado
Cutoff CIE	Cutoff	- Max: C=0.0° Gamma=0.0°
Cutoff Iesna	Cutoff	
DIN5044	KB1	

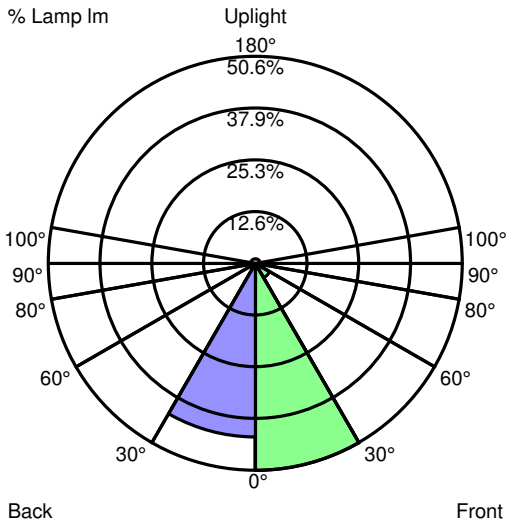
IESNA Type I Very Short Asymmetrical

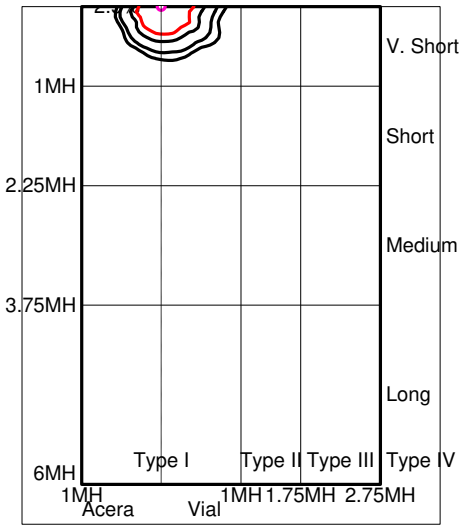
DLOR	98.77660 %
ULOR	1.22208 %
Rendimiento	99.99869 %
RN	1.22210 %
Clase de Intensidad Luminosa	G3
Índice de Deslumbramiento	D6

Luminaire
Code PX-0111-NEG
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Measurem.
Code PX-0111-NEG
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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

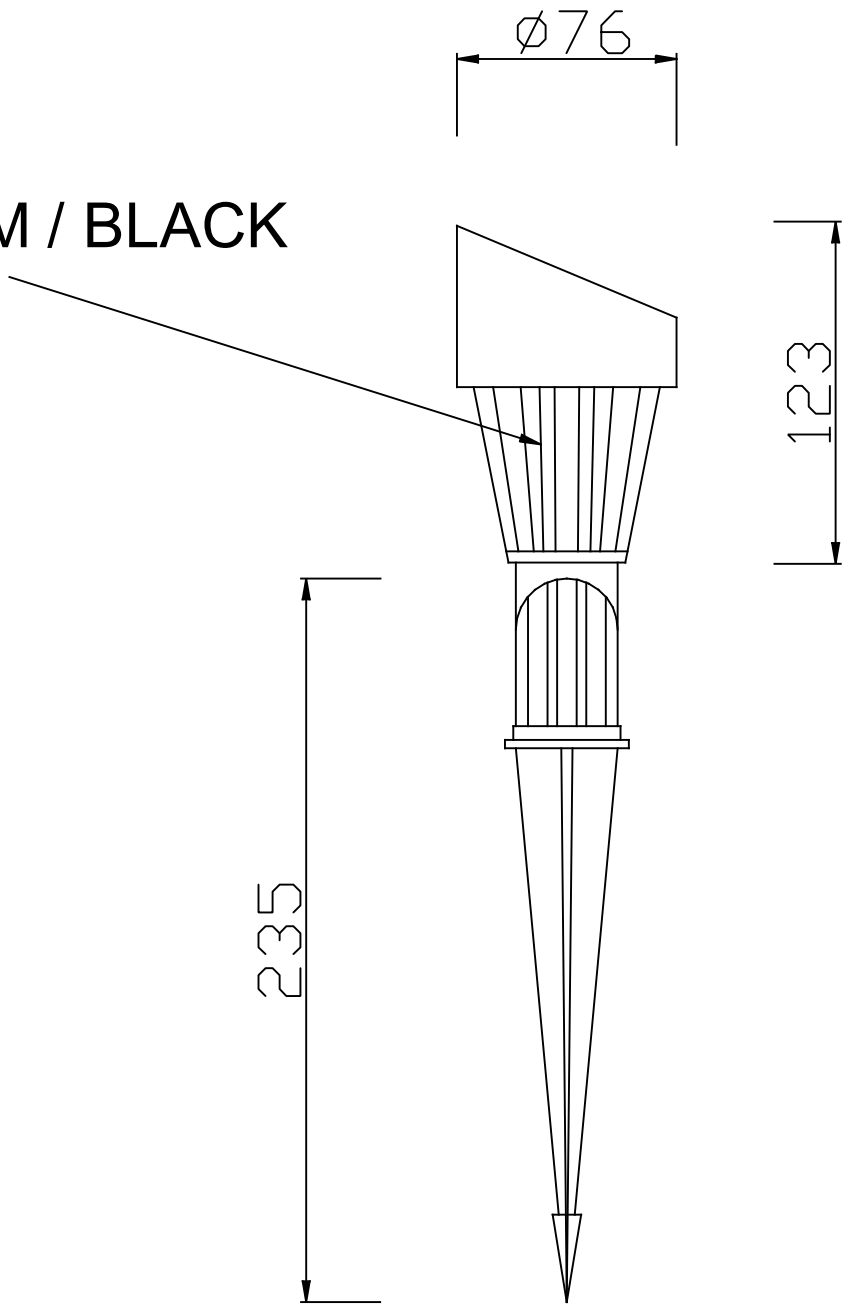
US ROAD STANDARDS





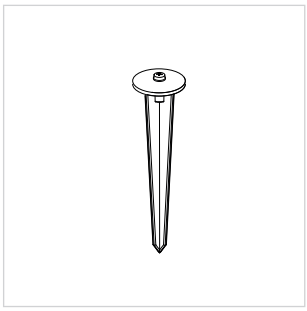
Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	115.7 lm	50.6 %	50.6 %
FM	30° -- 60°	9.3 lm	4.0 %	4.0 %
FH	60° -- 80°	0.5 lm	0.2 %	0.2 %
FVH	80° -- 90°	0.1 lm	0.1 %	0.1 %
BL	0° -- 30°	97.0 lm	42.4 %	42.4 %
BM	30° -- 60°	3.1 lm	1.3 %	1.3 %
BH	60° -- 80°	0.2 lm	0.1 %	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

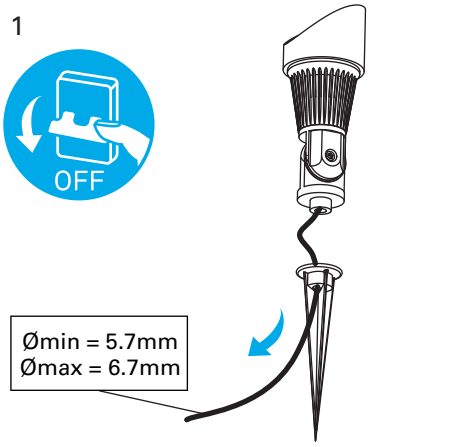


Minimal Green

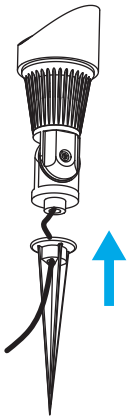
PX-0111



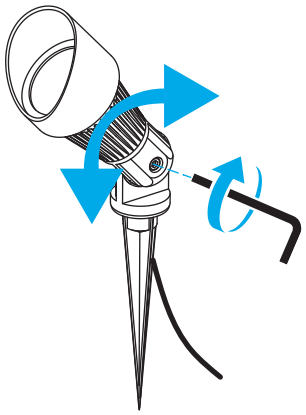
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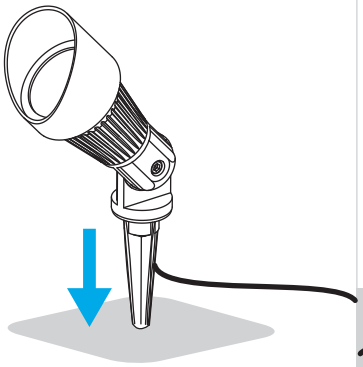
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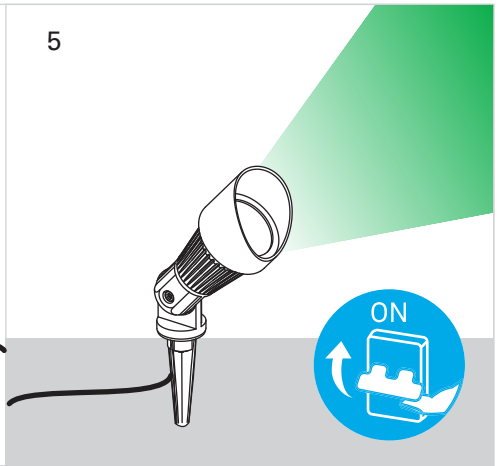
3



4



5



13-10-2021