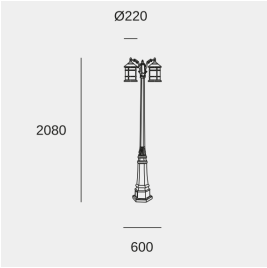
Siros

PX-0027-OXI

Streetlight IP23 Siros E27 30W Rusty brown





TECHNICAL FEATURES

IP23 IK02

Luminaire total power : 30W

Structure material : Aluminium

Structure finish : Rusty brown

Diffuser material : Glass

Diffuser finish : Rustic

Max. size of light bulb : 180/NA mm

Recommended light bulb : E27

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

Warranty : 2 Years

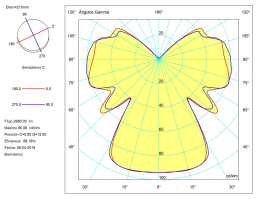
Easily recyclable luminaire

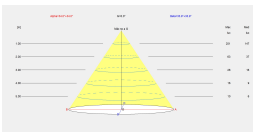
LUMINOTECHNIC FEATURES

Luminance C0ºG65º: 2986

Luminance C90ºG65º: 2988

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
E27	2	Max. power 15W	-





LOGISTICS

Net weight (kg): 7.75

Packaged weight (kg): 10.39

Packaging: 730mm x 670mm x 270mm

1 Un

LIGHT APPLICATION

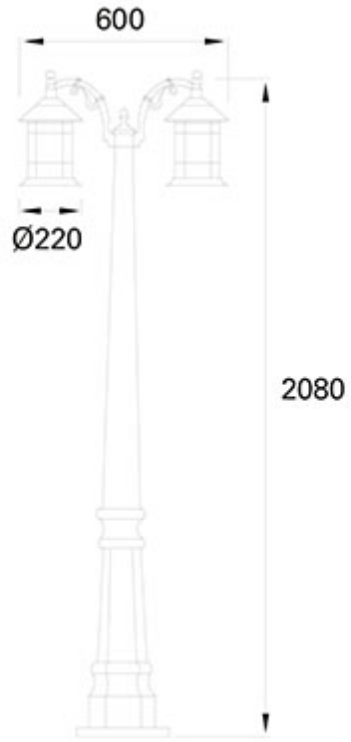


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical

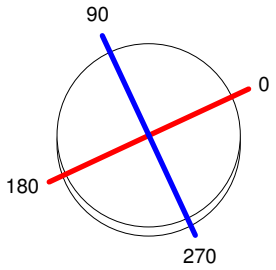
Round Luminaire	Diam. 210 mm	Height	190 mm
Round Luminous Area	Diam. 210 mm	Height	190 mm
Horizontal Luminous Area	0.034636 m2	Emitting area on Plane 180°	0.039900 m2
Emitting area on Plane 0°	0.039900 m2	Emitting area on Plane 270°	0.039900 m2
Emitting area on Plane 90°	0.039900 m2	Glare area at 76°	0.047094 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	08-04-2016	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	2680.00 lm
Operator		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
	STANDAR GOC 100W O	STANDAR GOC 100W O - 50.00 W	1340.00	50.00	2

C.I.E.	27 50 75 64 68	D DIN 5040	B11
F UTE	0.44 J + 0.24 T	B NBN	BZ 7 / 1 / BZ 8

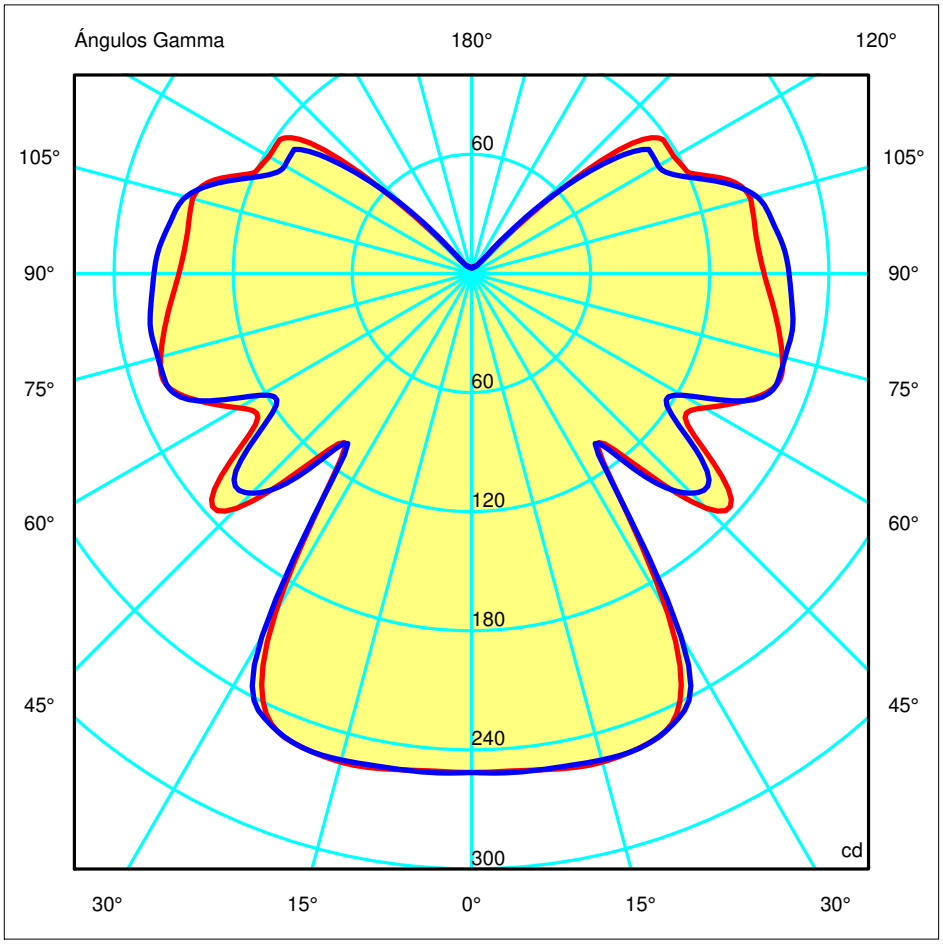
Diam=210mm



Semiplanos C

180.0 — 0.0

270.0 — 90.0

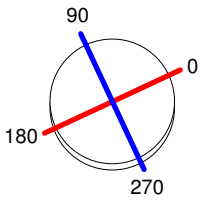


ULOR	24.35 %
DLOR	43.81 %
RN	35.73 %

Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

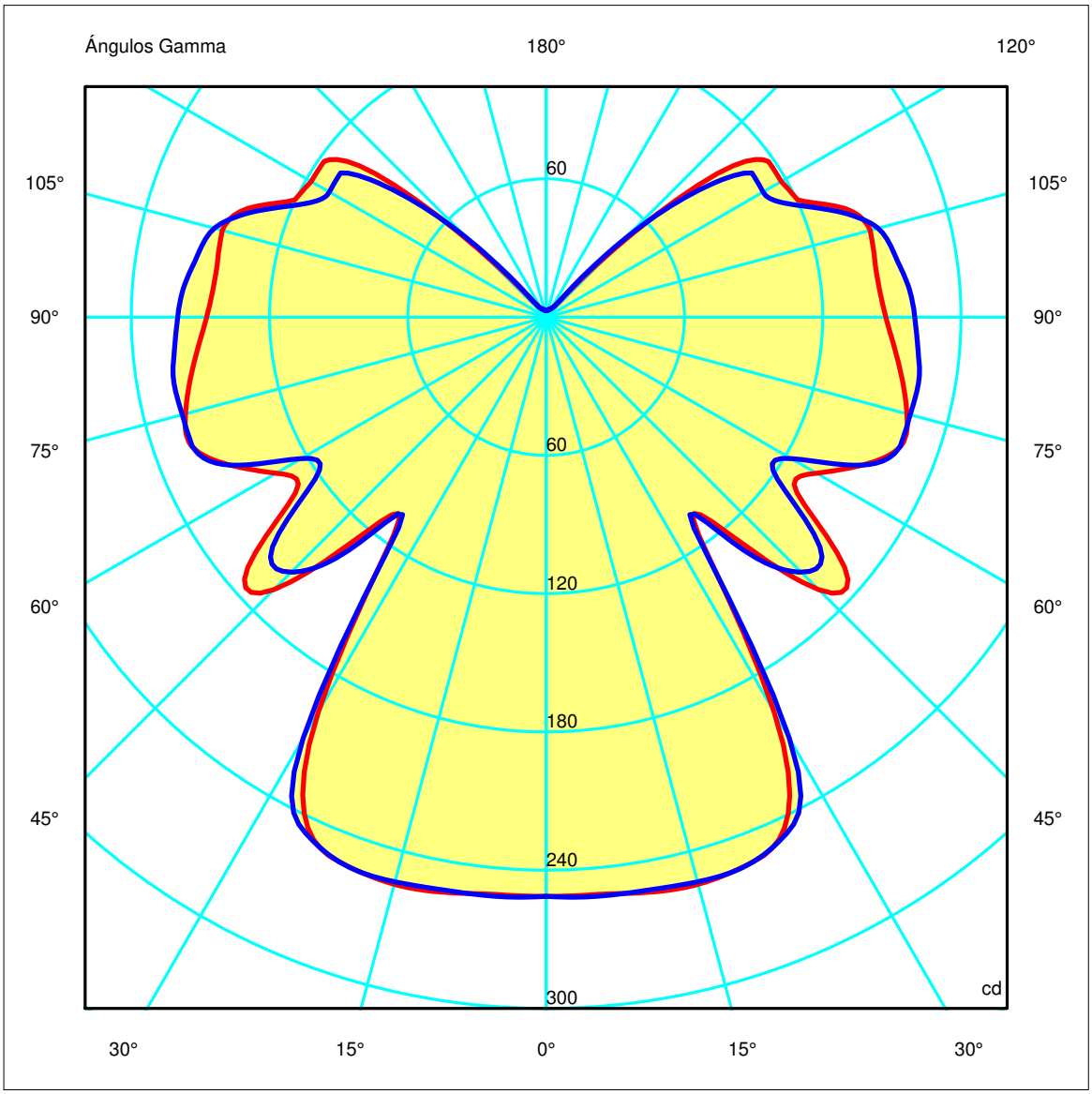
Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical

Diam=210mm



Semiplanos C

180.0 0.0
270.0 90.0



Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

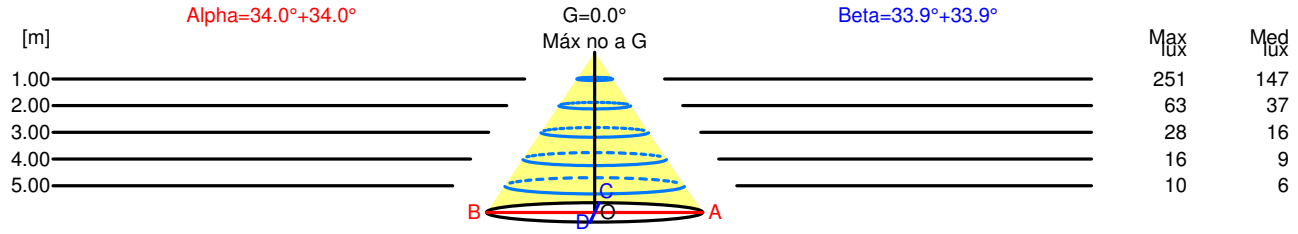
Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

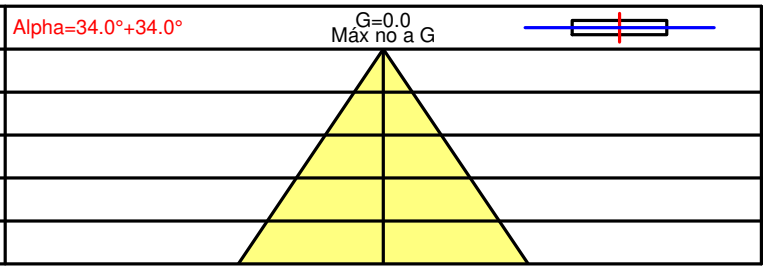
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.67	1.35	2.02	2.70	3.37	OC	0.67	1.34	2.02	2.69	3.36
OB	0.67	1.35	2.02	2.70	3.37	OD	0.67	1.34	2.02	2.69	3.36

Luminous Intensities [cd]

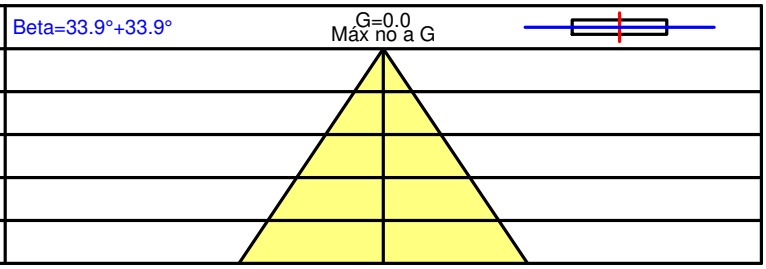
	0	5	15	25	35	45	55	65	75	85
OA	251.34	251.40	254.77	244.64	115.34	167.20	132.81	151.69	162.06	151.66
OB	251.34	251.40	254.77	244.64	115.34	167.20	132.81	151.69	162.06	151.66
OC	251.34	252.25	253.64	247.05	111.69	156.47	122.37	151.79	163.49	161.91
OD	251.34	252.25	253.64	247.05	111.69	156.47	122.37	151.79	163.49	161.91



H[m]	D[m]	Max lux	Med lux
1.00	1.35	251	147
2.00	2.70	63	37
3.00	4.05	28	16
4.00	5.40	16	9
5.00	6.75	10	6



H[m]	D[m]	Max lux	Med lux
1.00	1.34	251	147
2.00	2.69	63	37
3.00	4.03	28	16
4.00	5.38	16	9
5.00	6.72	10	6

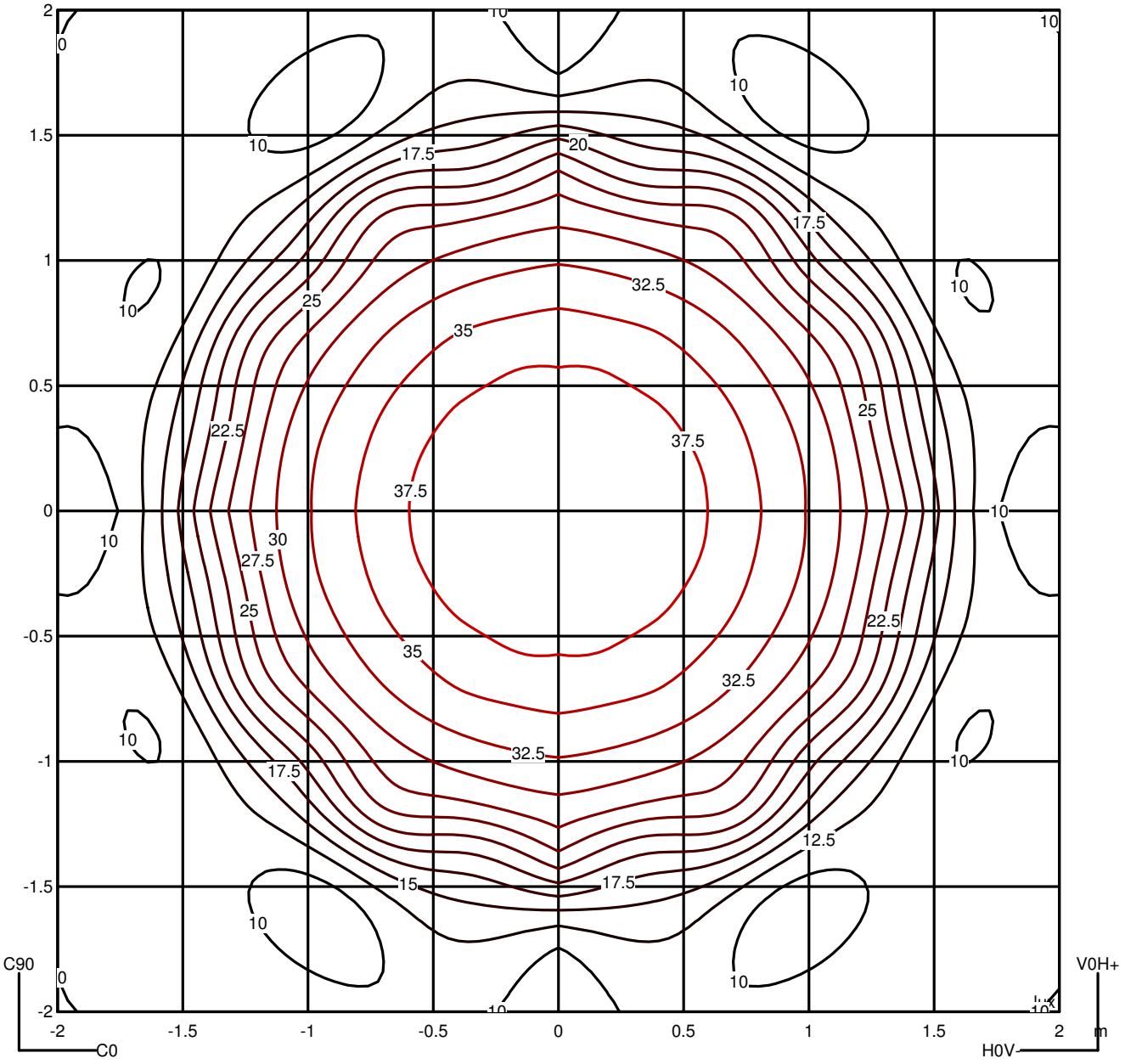


Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical

Isolux (Floor)

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



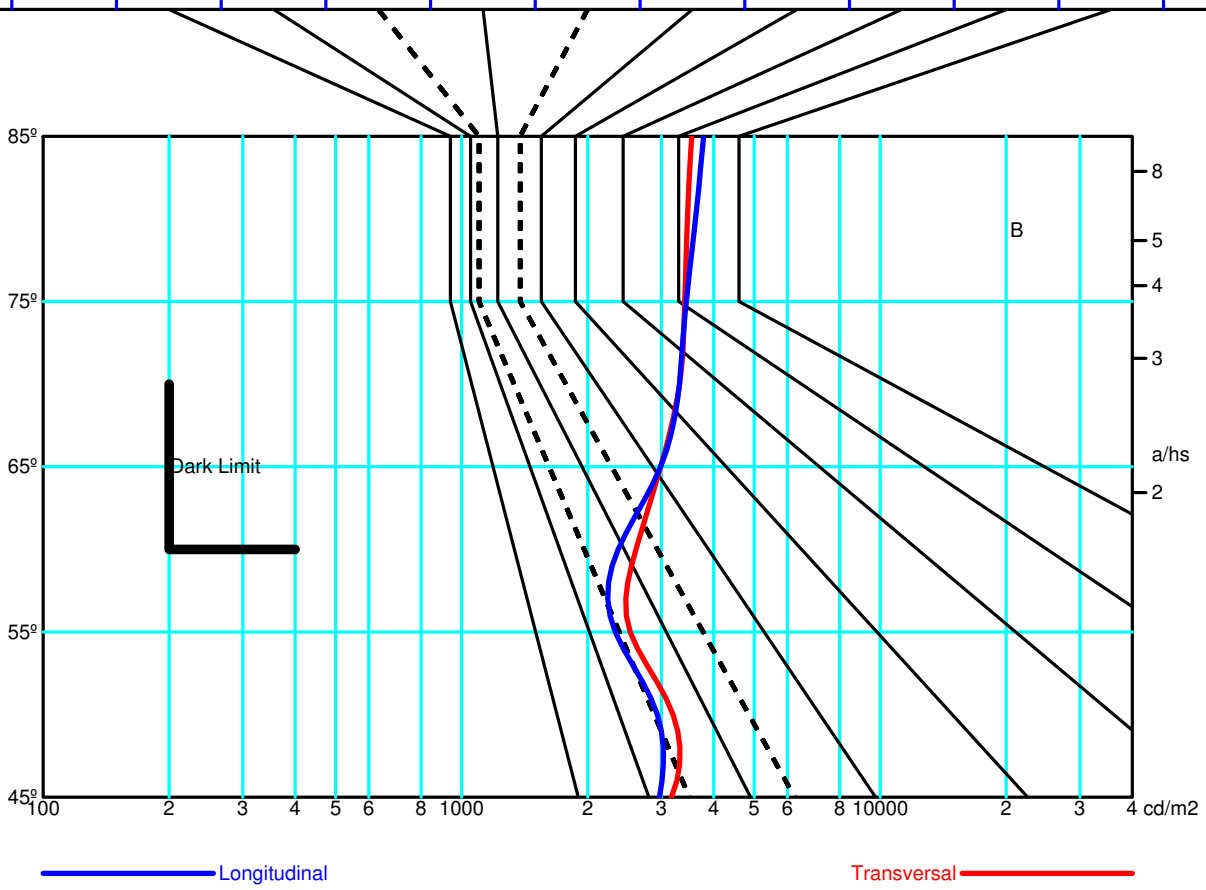
Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	3172	3199	2527	2611	2986	3317	3411	3463	3546	---
90.0°	2969	2934	2329	2365	2988	3314	3442	3621	3786	---

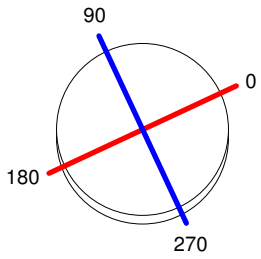
Flujo montado o vista transversal												
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

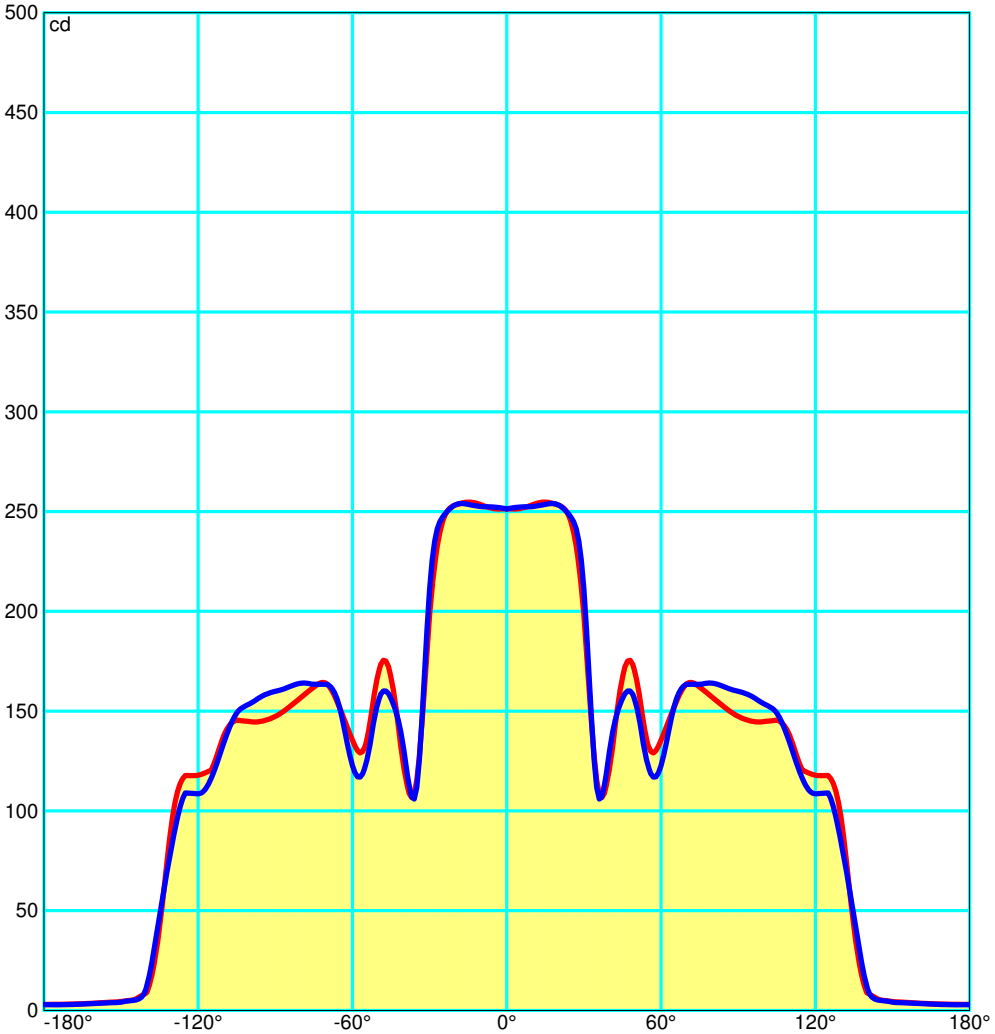
Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical

Diam=210mm



Semiplanos C





Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	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	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	13.7	14.8	14.4	15.6	16.6	13.8	14.9	14.5	15.7	16.6
x=2H y=3H	16.6	17.6	17.3	18.4	19.5	16.8	17.8	17.5	18.6	19.5
x=2H y=4H	17.9	18.9	18.7	19.7	21.0	18.2	19.2	19.0	20.0	21.0
x=2H y=6H	19.2	20.1	20.0	20.9	22.3	19.5	20.4	20.3	21.2	22.3
x=2H y=8H	19.8	20.6	20.6	21.5	22.9	20.2	21.0	21.0	21.9	22.9
x=2H y=12H	20.4	21.2	21.2	22.0	23.5	20.8	21.6	21.6	22.4	23.5
x=4H y=2H	14.9	15.8	15.7	16.6	17.7	15.0	15.9	15.7	16.7	17.7
x=4H y=3H	17.9	18.8	18.8	19.6	20.9	18.2	19.0	19.0	19.8	20.9
x=4H y=4H	19.4	20.2	20.3	21.1	22.4	19.8	20.5	20.6	21.4	22.4
x=4H y=6H	20.8	21.5	21.7	22.4	23.9	21.2	21.9	22.1	22.8	23.9
x=4H y=8H	21.5	22.1	22.4	23.0	24.6	22.0	22.6	22.8	23.5	24.6
x=4H y=12H	22.1	22.7	23.0	23.6	25.2	22.6	23.2	23.5	24.1	25.2
x=8H y=4H	20.2	20.8	21.1	21.7	23.1	20.4	21.1	21.3	21.9	23.1
x=8H y=6H	21.8	22.4	22.7	23.3	24.7	22.2	22.7	23.1	23.6	24.7
x=8H y=8H	22.7	23.1	23.6	24.1	25.6	23.1	23.5	24.0	24.5	25.6
x=8H y=12H	23.5	23.9	24.4	24.8	26.5	23.9	24.4	24.9	25.3	26.5
x=12H y=4H	20.3	20.9	21.2	21.8	23.1	20.5	21.1	21.4	22.0	23.1
x=12H y=6H	22.1	22.6	23.0	23.5	24.9	22.4	22.9	23.3	23.8	24.9
x=12H y=8H	23.0	23.5	24.0	24.4	25.9	23.4	23.8	24.3	24.7	25.9

Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical

Flujo Total=2680.00 Flujo Luminaria=1826.65

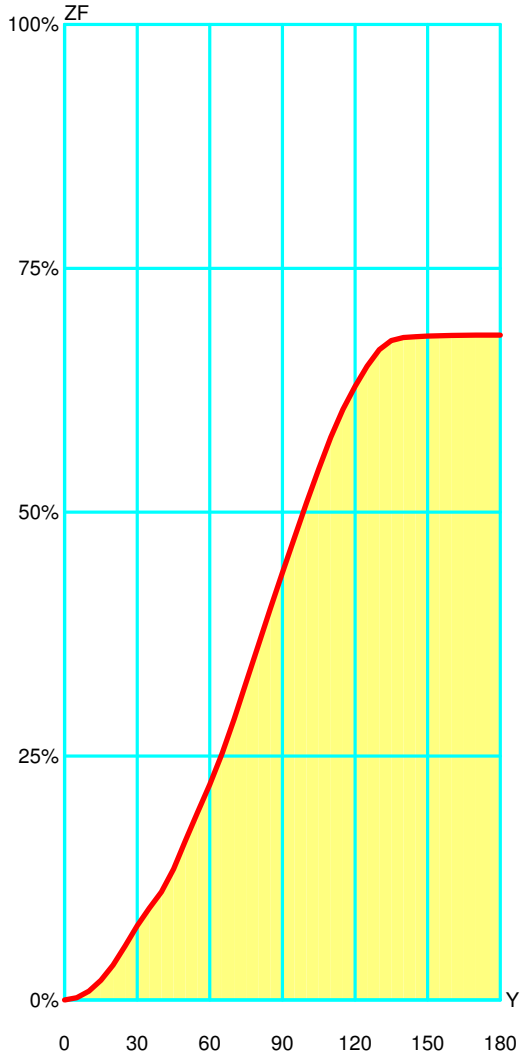
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.17	0.23	0.28	0.34	0.39	0.47	0.53	0.57	0.64	0.69	0.80	0.88
RC	9	9	9	9	9	9	9	9	9	9	9	9

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)	9	36	76	111	164	221	288	363	438	510	577	629	667	679	680	681	681	682

Códigos de Flujo C.I.E.
27 50 75 64 68

C.I.E.	9	LOR	68.15856 %
D DIN 5040	B11	ULOR	24.35232 %
F UTE	0.44 J + 0.24 T	DLOR	43.80623 %
B NBN	BZ 7 / 1 / BZ 8	UFF	35.72893 %
RN	35.72893 %	DFF	64.27107 %
BLF	1.0	FFR	55.59100 %

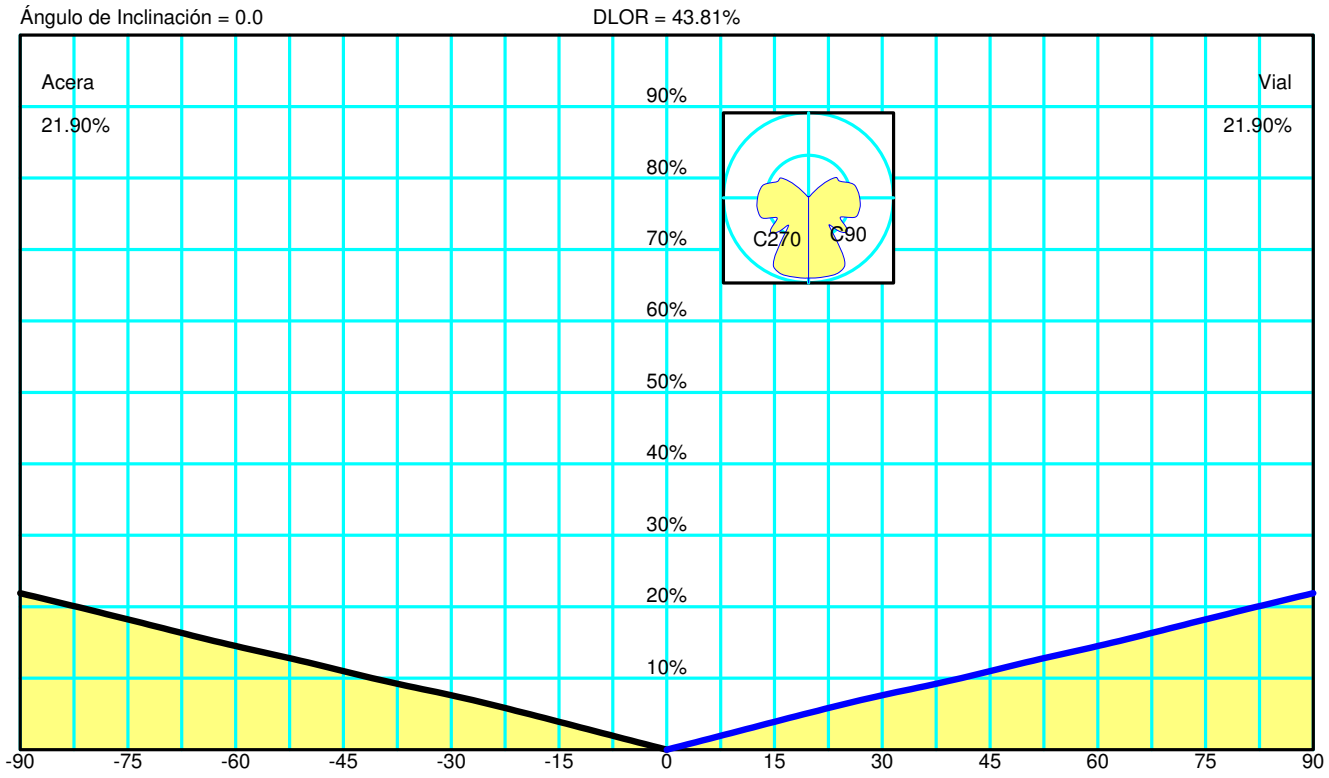


Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.25	2.25	0.33 %	0.33 %
10°	6.75	8.99	0.99 %	1.32 %
15°	11.23	20.22	1.65 %	2.97 %
20°	15.60	35.83	2.29 %	5.26 %
25°	19.47	55.30	2.86 %	8.11 %
30°	20.87	76.18	3.06 %	11.18 %
35°	17.80	93.98	2.61 %	13.79 %
40°	16.78	110.76	2.46 %	16.25 %
45°	23.37	134.13	3.43 %	19.68 %
50°	29.55	163.68	4.34 %	24.02 %
55°	29.11	192.79	4.27 %	28.29 %
60°	28.09	220.88	4.12 %	32.41 %
65°	31.26	252.14	4.59 %	36.99 %
70°	35.57	287.71	5.22 %	42.21 %
75°	37.84	325.55	5.55 %	47.76 %
80°	37.90	363.45	5.56 %	53.32 %
85°	37.60	401.05	5.52 %	58.84 %
90°	37.01	438.06	5.43 %	64.27 %
95°	36.28	474.34	5.32 %	69.59 %
100°	35.51	509.84	5.21 %	74.80 %
105°	34.48	544.32	5.06 %	79.86 %
110°	32.60	576.92	4.78 %	84.64 %
115°	28.40	605.32	4.17 %	88.81 %
120°	23.64	628.96	3.47 %	92.28 %
125°	20.76	649.72	3.05 %	95.33 %
130°	16.80	666.52	2.46 %	97.79 %
135°	9.44	675.97	1.39 %	99.18 %
140°	3.11	679.07	0.46 %	99.63 %
145°	0.87	679.94	0.13 %	99.76 %
150°	0.51	680.46	0.08 %	99.83 %
155°	0.39	680.84	0.06 %	99.89 %
160°	0.29	681.13	0.04 %	99.93 %
165°	0.21	681.34	0.03 %	99.96 %
170°	0.14	681.48	0.02 %	99.98 %
175°	0.08	681.56	0.01 %	100.00 %
180°	0.03	681.59	0.00 %	100.00 %

Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical

Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	1.29%	Piano	5	1.29%
Piano	-10	2.59%	Piano	10	2.59%
Piano	-15	3.90%	Piano	15	3.90%
Piano	-20	5.19%	Piano	20	5.19%
Piano	-25	6.45%	Piano	25	6.45%
Piano	-30	7.62%	Piano	30	7.62%
Piano	-35	8.68%	Piano	35	8.68%
Piano	-40	9.78%	Piano	40	9.78%
Piano	-45	11.00%	Piano	45	11.00%
Piano	-50	12.22%	Piano	50	12.22%
Piano	-55	13.36%	Piano	55	13.36%
Piano	-60	14.50%	Piano	60	14.50%
Piano	-65	15.70%	Piano	65	15.70%
Piano	-70	16.97%	Piano	70	16.97%
Piano	-75	18.23%	Piano	75	18.23%
Piano	-80	19.47%	Piano	80	19.47%
Piano	-85	20.70%	Piano	85	20.70%
Piano	-90	21.90%	Piano	90	21.90%



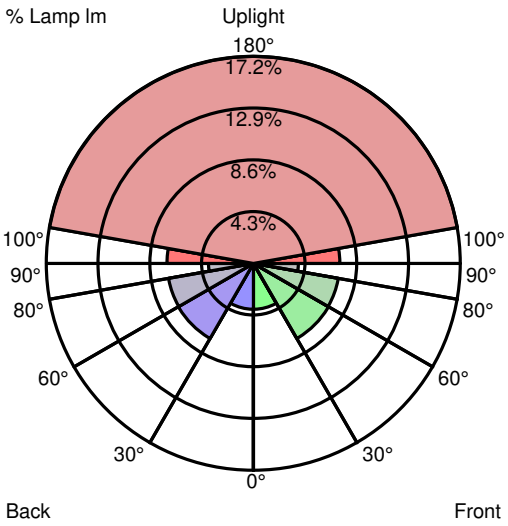
Spread	28.5°	Estrecho	DLOR	43.80623 %	
Throw	13.7°	Corto	ULOR	24.35232 %	
SLI (deslumbramiento)	5.1	Concentrado	Rendimiento	68.15856 %	
Cutoff CIE	No Cutoff - Max: C=0.0° Gamma=15.0°		RN	35.72893 %	
Cutoff Iesna	No Cutoff		Clase de Intensidad Luminosa	GU	
DIN5044	--		Índice de Deslumbramiento	D5	

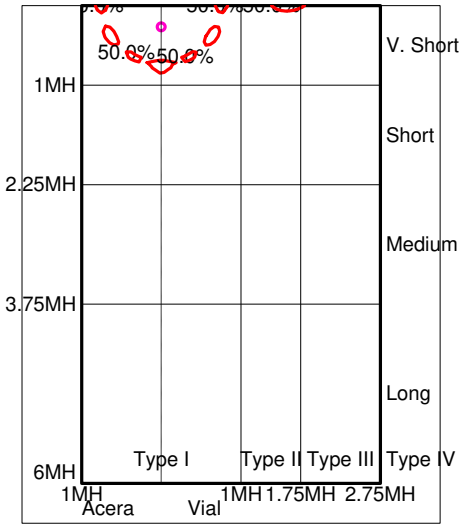
IESNA Type VS Very Short Quadrilateral Symmetry

Luminaire
Code PX-0027-OXI
Name Colgante 1x100W E27 A55
Measurem.
Code PX-0025-OXI
Name Colgante 1x100W E27 A55

Luminaire Flux	1826.65 lm	Luminaire Power	100.00 W	Efficacy	18.27 lm/W	Efficiency	68.16%
Lamps Flux	2680.00 lm	Maximum value	254.77 cd	Position	C=0.00 G=15.00	CG	Double Symmetrical

US ROAD STANDARDS





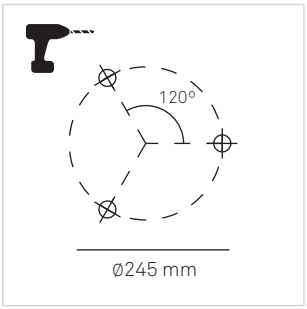
Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	102.1 lm	3.8 %	5.6 %
FM	30° -- 60°	192.9 lm	7.2 %	10.6 %
FH	60° -- 80°	191.8 lm	7.2 %	10.5 %
FVH	80° -- 90°	100.0 lm	3.7 %	5.5 %
BL	0° -- 30°	102.1 lm	3.8 %	5.6 %
BM	30° -- 60°	192.9 lm	7.2 %	10.6 %
BH	60° -- 80°	191.8 lm	7.2 %	10.5 %
BVH	80° -- 90°	100.0 lm	3.7 %	5.5 %
UL	90° -- 100°	192.3 lm	7.2 %	10.5 %
UH	100° -- 180°	460.7 lm	17.2 %	25.2 %
TOTALS		1826.6 lm	68.2 %	100.0 %
BUG B1 U3 G1 Type VS Very Short Quadrilateral Symmetry				

Siros

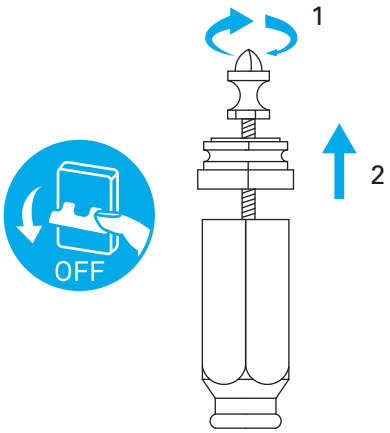
PX-0027

FOR LIGHT

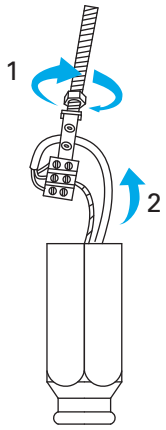
2080mm
x600mm



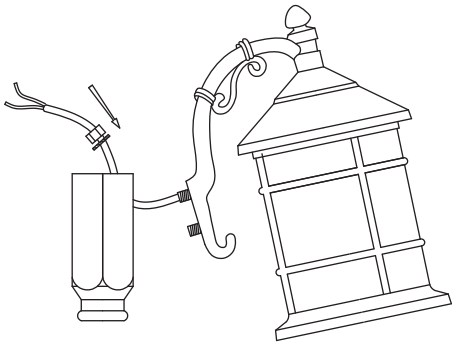
1



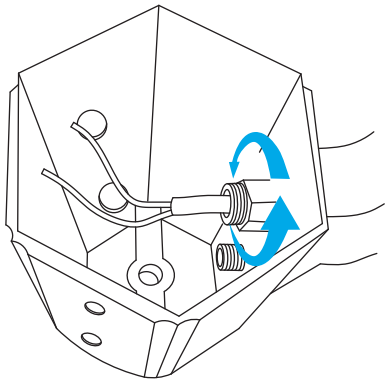
2



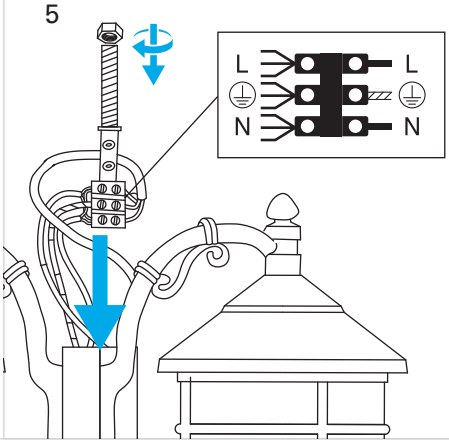
3



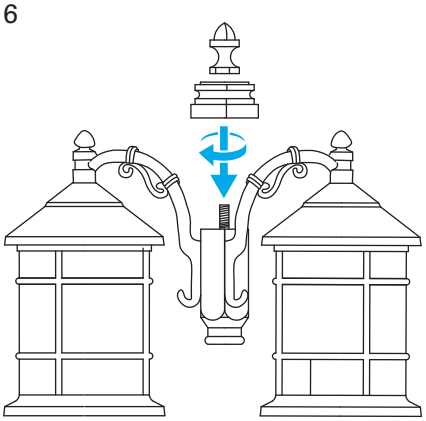
4



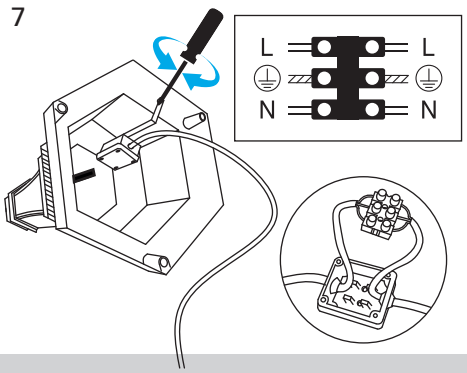
5



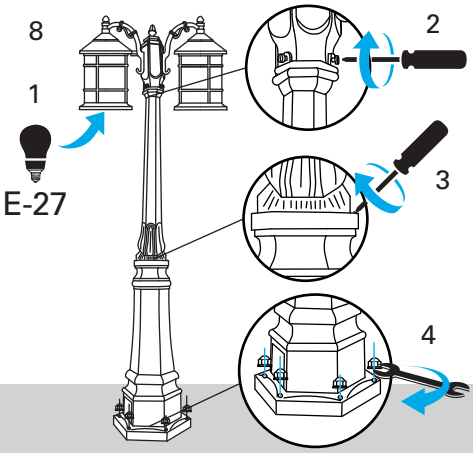
6



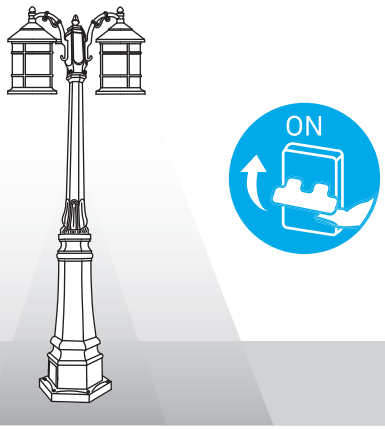
7



8



9



09-12-2021