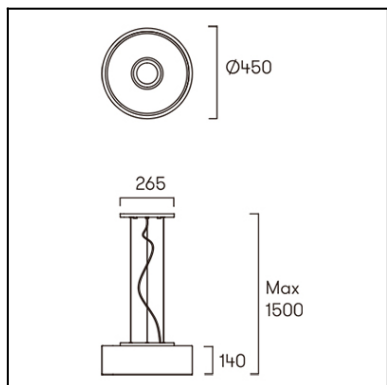


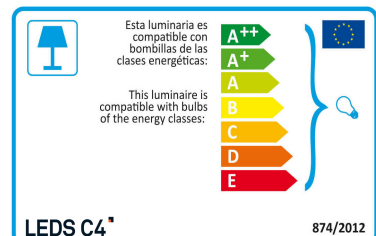
Design by Nahtrang Design



La finition de la photographie peut ne pas coïncider avec celle de la référence. Pour identifier la finition réelle, voir la description de cette dernière.



Download photometric file .ldt /.ies



Cliquez sur l'image pour télécharger l'étiquette-énergie

CARACTÉRISTIQUES TECHNIQUES

Type:	Suspension
Indice de protection IP:	IP20
Source lumineuse 1:	3 x E27
Ampoule spécifiée sur l'étiquette du luminaire	max23W
Consommation totale (W):	69
Angle des lentilles / Réflecteur:	
Tension / Fréquence:	230V/50-60Hz
Garantie:	2
Unités par caisse:	1
Poids net (kg):	4.215
Code EAN:	8435381402761



MATIÈRES / FINITIONS

Matière structure: Acier

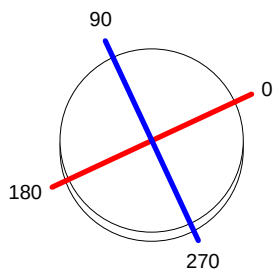
Matière diffuseur: Abat-jour en toile
PMMA

Finition structure: Chrome

Finition diffuseur: Blanc
Opale

Luminaria		Ensayo		Lámpara	
Código	00-4601-21-14	Código	00-4601-21-14	Código	PL ELECT pro23W/827
Nombre	Colgante SPIN 3x23W PL opal	Nombre	Colgante SLIN 3x23W fluor opal	Número	3
Familia	- LEDS-C4	Fecha	14-09-2011	Posición	Universal
Rendimiento	60.43%	Sist. de Coorden.	C-G	Flujo Total	4500.00 lm
Valor Máximo	381.86 cd	Posición	C=0.00 G=0.00	Bisimétrico	
Luminaria Redonda	Diam.	450 mm	Altura	140 mm	
Área Luminosa Redonda	Diam.	450 mm	Altura	140 mm	
Área Luminosa Horizontal	0.159043 m2		Área Emisión sobre Pl. 180°	0.063000 m2	
Área Emisión sobre Pl. 0°	0.063000 m2		Área Emisión sobre Pl. 270°	0.063000 m2	
Área Emisión sobre Pl. 90°	0.063000 m2		Área de deslumbramiento a 76°	0.099605 m2	
Tipo de Simetría	Bisimétrico	Máximo Ángulo Gamma	180		
Distancia de Ensayo	6.44	Flujo de Ensayo	4500.00 lm		
Operador	Asselum T2	Tensión de alimentación	230.00 V		
Temperatura	25.00 °C	Corriente de alimentación			
Humedad	50.00 %	Fotocélula	PRC		
Notas					
Lámparas de la Luminaria					
Familia	Código	Nombre	Flujo lm	Pot. W	Cant.
PHILIPS 2005 ILCOS FBT,G,C,FSQ	PL ELECT pro23W/827	PL electr pro 23W/827 E27	1500.00	23.00	3
C.I.E.	41 71 90 49 60	D DIN 5040			
F UTE	0.30 J + 0.31 T	B NBN			
		C32			
		BZ 5			

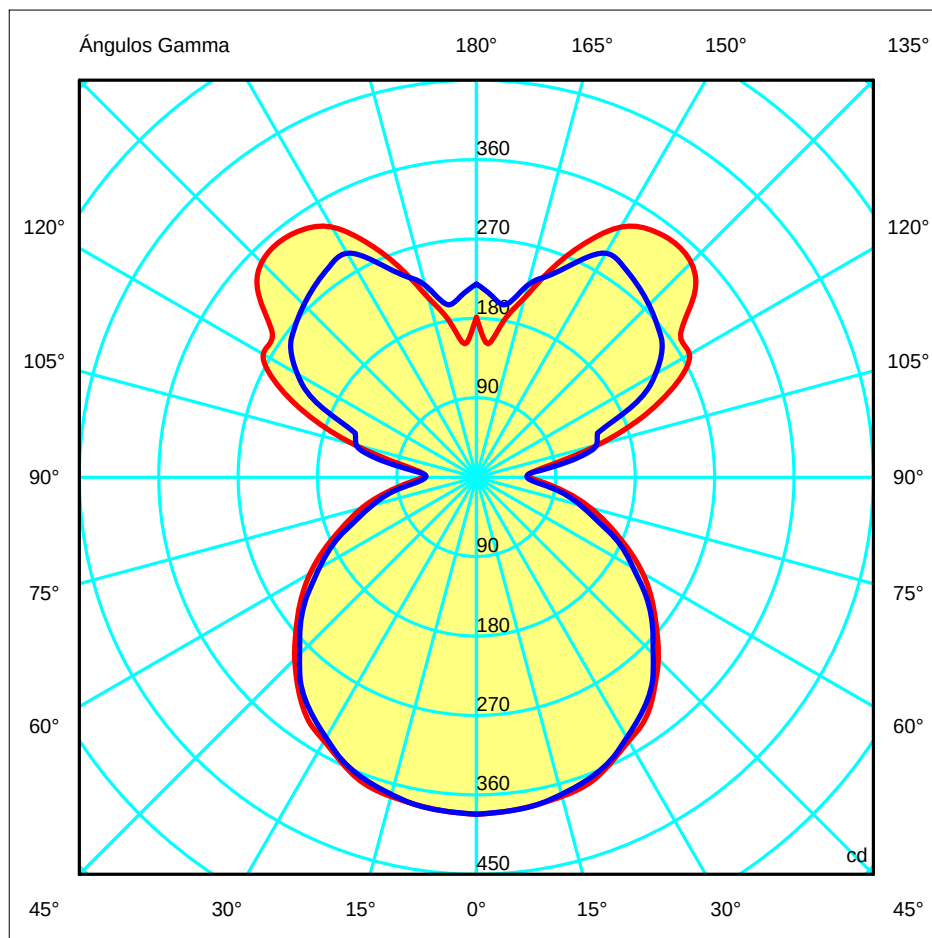
Diam=450mm



Semiplanos C

180.0 — 0.0
 270.0 — 90.0

ULOR 30.90 %
 DLOR 29.52 %
 RN 51.14 %



Luminaria		Ensayo		Lámpara			
Código	00-4601-21-14	Código	00-4601-21-14	Código	PL ELECT pro23W/827		
Nombre	Colgante SPIN 3x23W PL opal	Nombre	Colgante SLIN 3x23W fluor opal	Número	3		
Familia	- LEDS-C4	Fecha	14-09-2011	Posición	Universal		
Rendimiento	60.43%	Sist. de Coorden.	C-G	Flujo Total	4500.00 lm		
Tabla de Intensidad Luminosa cd			Tabla 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	381.86	381.86	381.86	381.86	381.86	381.86	381.86
G 5.0	380.32	381.43	380.97	379.54	381.06	379.75	380.18
G 10.0	377.63	377.97	378.16	377.63	378.68	377.56	377.92
G 15.0	374.46	372.63	373.51	372.15	373.73	372.63	372.12
G 20.0	370.03	365.69	365.97	364.61	365.63	364.96	365.37
G 25.0	358.34	355.47	355.62	354.69	355.05	355.28	355.85
G 30.0	345.25	340.55	343.52	340.89	343.15	341.57	341.04
G 35.0	334.09	325.23	326.54	325.69	326.18	325.99	326.03
G 40.0	313.64	306.26	305.98	305.84	305.73	305.50	309.08
G 45.0	291.50	281.02	285.22	281.71	284.49	283.45	283.35
G 50.0	266.69	260.17	259.65	259.60	260.32	259.78	260.39
G 55.0	242.90	234.54	234.16	233.33	233.82	233.18	234.51
G 60.0	217.68	206.32	207.60	206.21	206.48	206.07	205.16
G 65.0	188.34	180.02	178.19	180.46	179.24	177.61	179.31
G 70.0	159.55	147.91	152.44	151.26	151.77	148.28	146.98
G 75.0	134.32	121.79	123.27	122.68	123.71	120.18	121.98
G 80.0	105.67	95.73	95.37	97.42	94.65	93.96	97.26
G 85.0	79.02	69.84	72.92	71.95	71.71	69.27	68.39
G 90.0	60.19	59.16	59.66	58.98	58.46	57.32	57.40
G 95.0	62.54	72.47	78.77	70.34	71.41	71.24	66.13
G100.0	89.78	111.72	115.07	107.42	99.17	112.34	108.94
G105.0	143.65	162.85	146.88	151.32	147.66	140.46	141.12
G110.0	200.55	216.98	195.68	202.59	189.88	159.04	146.08
G115.0	249.26	266.95	242.79	243.25	235.73	209.29	199.70
G120.0	278.88	302.33	297.35	275.63	271.50	255.82	234.41
G125.0	282.32	321.68	321.30	307.47	292.20	294.03	257.06
G130.0	322.29	317.25	335.81	321.18	307.69	320.24	267.73
G135.0	344.11	310.40	331.12	320.33	313.07	329.96	276.51
G140.0	347.89	313.11	325.27	316.89	311.34	325.86	284.21
G145.0	342.61	313.22	324.87	319.49	291.10	303.54	290.98
G150.0	327.35	304.32	311.48	310.85	272.62	278.68	293.10
G155.0	293.07	274.60	282.42	287.01	261.74	265.89	269.10
G160.0	252.40	240.55	240.29	250.55	255.08	258.52	243.76
G165.0	210.43	211.98	200.24	230.09	238.23	232.32	225.43
G170.0	180.64	168.83	176.38	183.44	196.10	204.41	199.07
G175.0	151.72	152.11	163.57	158.48	165.06	183.41	205.84
G180.0	181.19	178.67	173.87	194.51	217.46	216.76	218.93

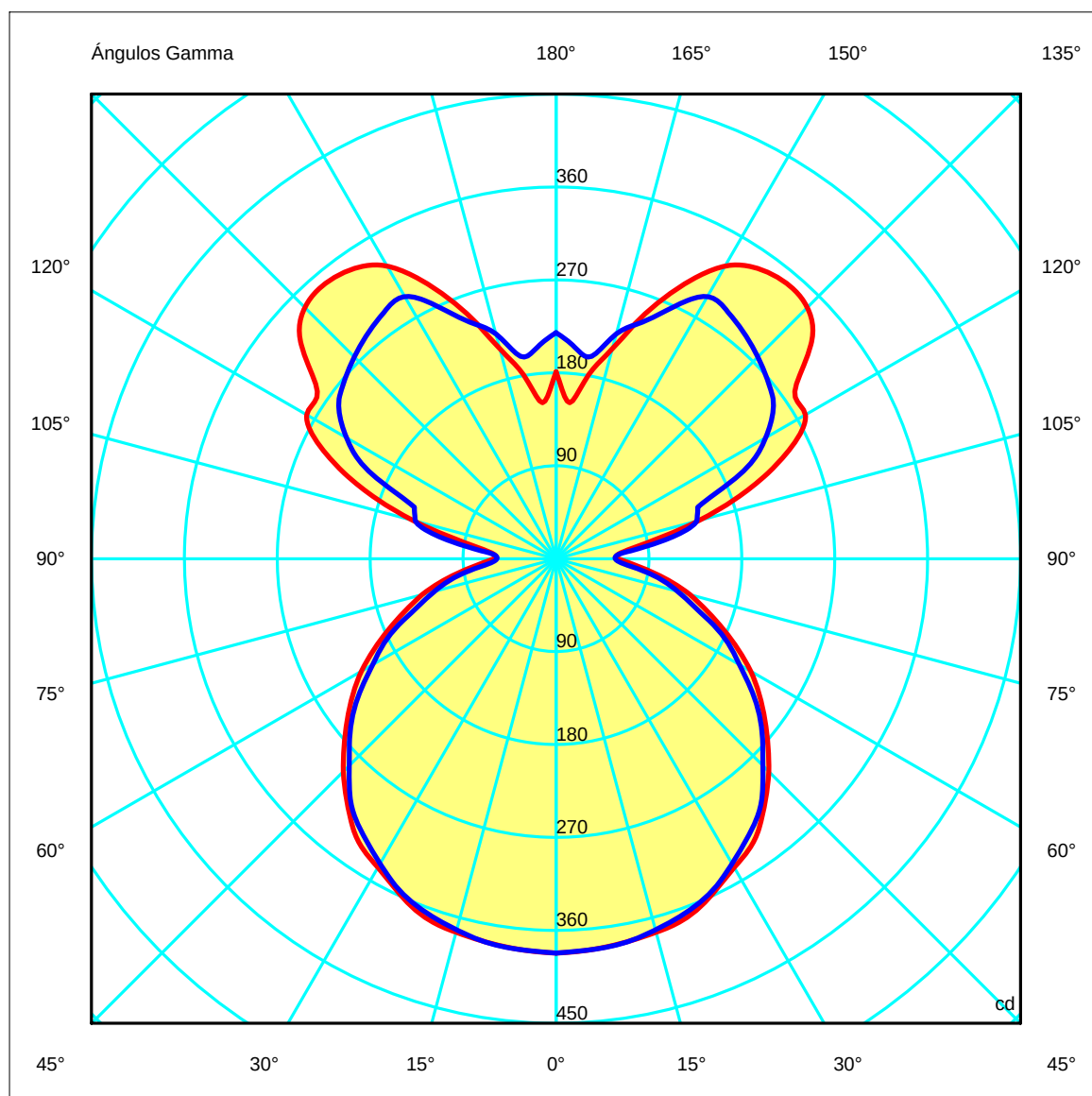
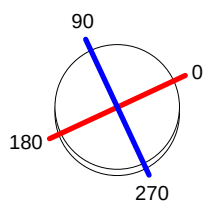
Luminaria		Ensayo		Lámpara	
Código	00-4601-21-14	Código	00-4601-21-14	Código	PL ELECT pro23W/827
Nombre	Colgante SPIN 3x23W PL opal	Nombre	Colgante SLIN 3x23W fluor opal	Número	3
Familia	- LEDS-C4	Fecha	14-09-2011	Posición	Universal
Rendimiento	60.43%	Sist. de Coorden.	C-G	Flujo Total	4500.00 lm

Diam=450mm

Semiplanos C

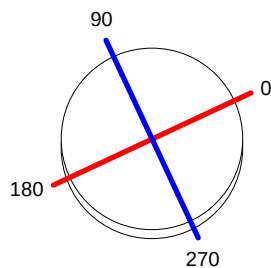
180.0 ————— 0.0

270.0 ————— 90.0



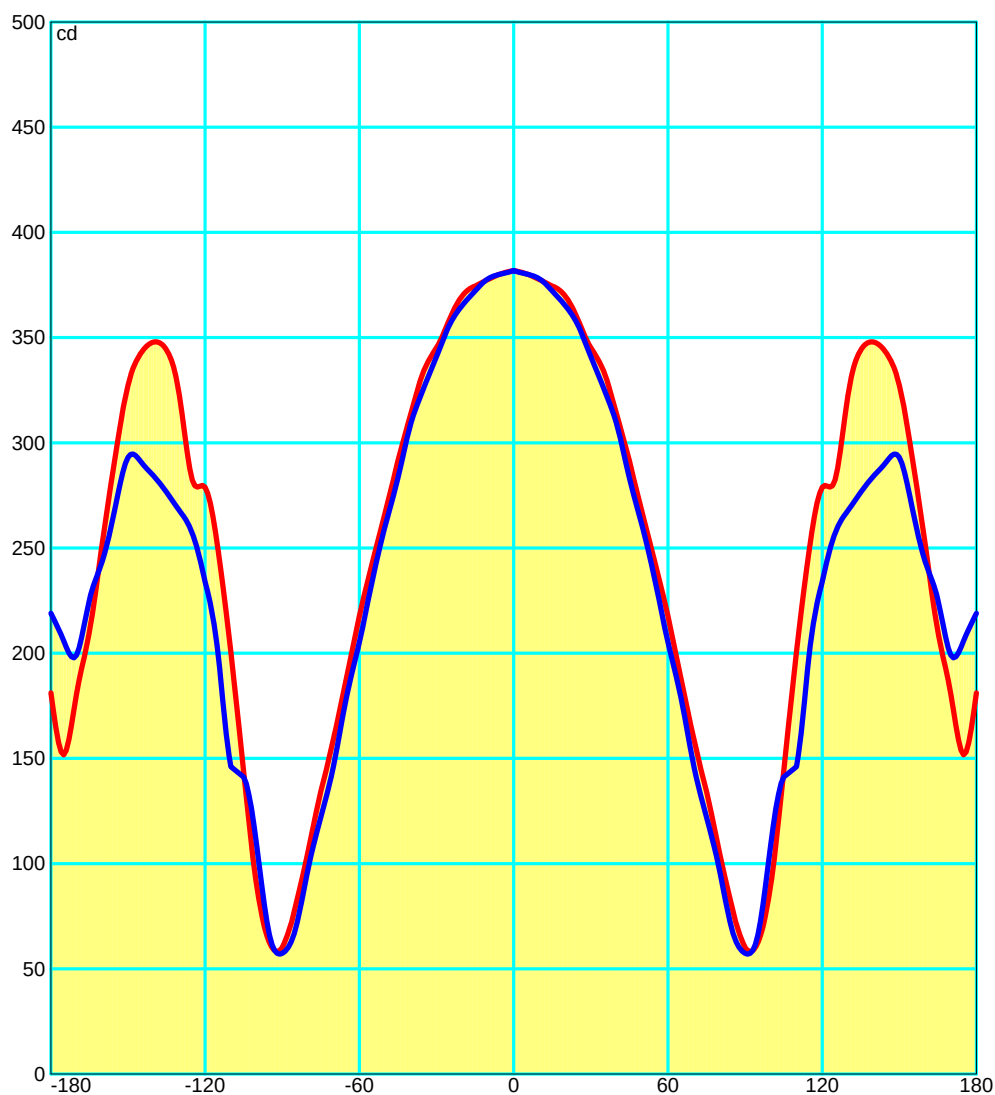
Luminaria		Ensayo		Lámpara	
Código	00-4601-21-14	Código	00-4601-21-14	Código	PL ELECT pro23W/827
Nombre	Colgante SPIN 3x23W PL opal	NombreColgante	SLIN 3x23W fluor opal	Número	3
Familia	- LEDS-C4	Fecha	14-09-2011	Posición	Universal
Rendimiento	60.43%	Sist. de Coord.	C-G	Flujo Total	4500.00 lm

Diam=450mm



Semiplanos C

180.0 ————— 0.0
 270.0 ————— 90.0

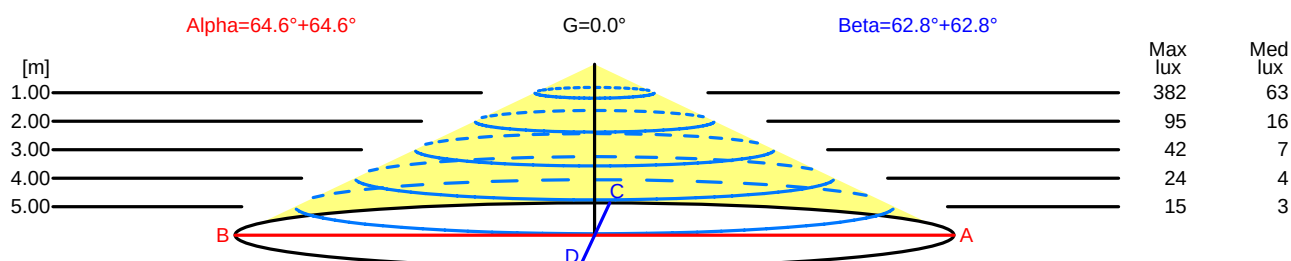


Luminaria		Ensayo		Lámpara	
Código	00-4601-21-14	Código	00-4601-21-14	Código	PL ELECT pro23W/827
Nombre	Colgante SPIN 3x23W PL opal	Nombre	Colgante SLIN 3x23W fluor opal	Número	3
Familia	- LEDS-C4	Fecha	14-09-2011	Posición	Universal
Rendimiento	60.43%	Sist. de Coord.	C-G	Flujo Total	4500.00 lm

Apertura a 50.00 % de MaxLux

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	2.10	4.21	6.31	8.41	10.52	OC	1.95	3.90	5.84	7.79	9.74
OB	2.10	4.21	6.31	8.41	10.52	OD	1.95	3.90	5.84	7.79	9.74

	Intensidades Luminosas [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	381.86	380.32	374.46	358.34	334.09	291.50	242.90	188.34	134.32	79.02
OB	381.86	380.32	374.46	358.34	334.09	291.50	242.90	188.34	134.32	79.02
OC	381.86	380.18	372.12	355.85	326.03	283.35	234.51	179.31	121.98	68.39
OD	381.86	380.18	372.12	355.85	326.03	283.35	234.51	179.31	121.98	68.39



H[m]	D[m]	Max lux	Med lux	Alpha=64.6°+64.6°	G=0.0
1.00	4.21	382	63		
2.00	8.41	95	16		
3.00	12.62	42	7		
4.00	16.83	24	4		
5.00	21.03	15	3		

H[m]	D[m]	Max lux	Med lux	Beta=62.8°+62.8°	G=0.0
1.00	3.90	382	63		
2.00	7.79	95	16		
3.00	11.69	42	7		
4.00	15.58	24	4		
5.00	19.48	15	3		

Luminaria				Ensayo				Lámpara			
Código	00-4601-21-14			Código	00-4601-21-14			Código	PL ELECT pro23W/827		
Nombre	Colgante SPIN 3x23W PL opal			Nombre	Colgante SLIN 3x23W fluor opal			Número	3		
Familia	- LEDS-C4			Fecha	14-09-2011			Posición	Universal		
Rendimiento	60.43%			Sist. de Coord.	C-G			Flujo Total	4500.00 lm		

Flujo Total=4500.00 Flujo Luminaria=2719.16

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	0.26	0.34	0.41	0.48	0.53	0.62	0.68	0.72	0.77	0.81	0.89	0.94
RC	6	6	6	6	6	6	6	6	6	7	7	7

Flujo Zonal por 1000 Lúmenes

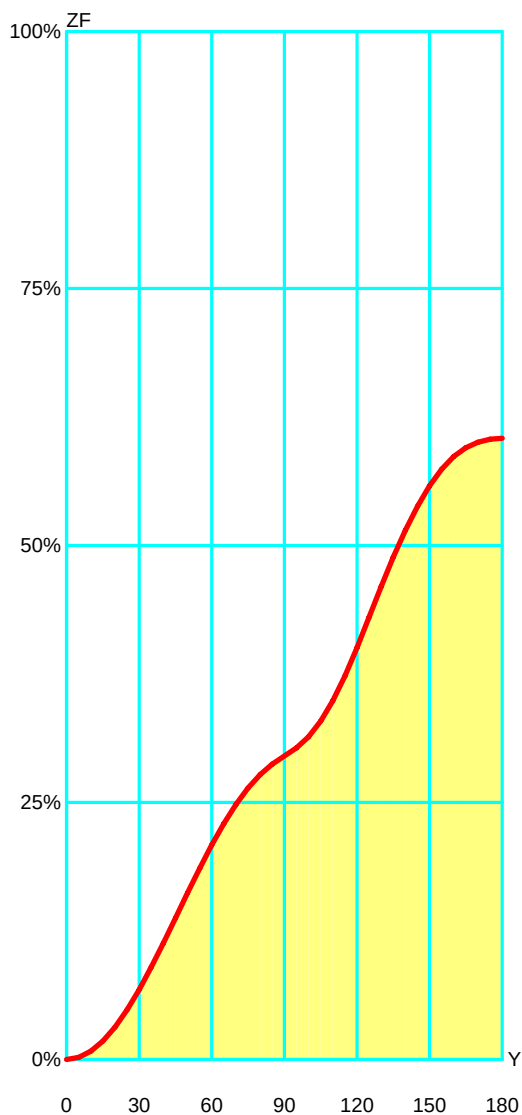
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	8	31	68	113	162	209	248	277	295	314	349	401	460	515	558	586	600	604

Códigos de Flujo C.I.E.

41 71 90 49 60

C.I.E. 6/6/6/6/6/6/6/6/7/7/7
D DIN 5040 C32
F UTE 0.30 J + 0.31 T
B NBN BZ 5
RN 51.13909 %
BLF 1.0

LOR 60.42582 %
ULOR 30.90121 %
DLOR 29.52461 %
UFF 51.13909 %
DFF 48.86091 %
FFR 104.66258 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	2.03	2.03	0.34 %	0.34 %
10°	6.03	8.05	1.00 %	1.33 %
15°	9.90	17.95	1.64 %	2.97 %
20°	13.53	31.48	2.24 %	5.21 %
25°	16.81	48.29	2.78 %	7.99 %
30°	19.62	67.92	3.25 %	11.24 %
35°	21.88	89.80	3.62 %	14.86 %
40°	23.48	113.28	3.89 %	18.75 %
45°	24.30	137.59	4.02 %	22.77 %
50°	24.45	162.03	4.05 %	26.81 %
55°	23.92	185.96	3.96 %	30.77 %
60°	22.70	208.66	3.76 %	34.53 %
65°	20.92	229.58	3.46 %	37.99 %
70°	18.61	248.19	3.08 %	41.07 %
75°	15.92	264.11	2.63 %	43.71 %
80°	13.07	277.17	2.16 %	45.87 %
85°	10.14	287.32	1.68 %	47.55 %
90°	7.93	295.25	1.31 %	48.86 %
95°	7.92	303.17	1.31 %	50.17 %
100°	10.80	313.97	1.79 %	51.96 %
105°	15.23	329.20	2.52 %	54.48 %
110°	19.64	348.84	3.25 %	57.73 %
115°	24.01	372.85	3.97 %	61.70 %
120°	27.75	400.60	4.59 %	66.30 %
125°	29.67	430.27	4.91 %	71.21 %
130°	29.83	460.09	4.94 %	76.14 %
135°	28.53	488.62	4.72 %	80.86 %
140°	26.22	514.84	4.34 %	85.20 %
145°	23.34	538.19	3.86 %	89.07 %
150°	19.95	558.13	3.30 %	92.37 %
155°	16.13	574.26	2.67 %	95.04 %
160°	12.22	586.48	2.02 %	97.06 %
165°	8.62	595.10	1.43 %	98.48 %
170°	5.38	600.48	0.89 %	99.38 %
175°	2.81	603.29	0.46 %	99.84 %
180°	0.97	604.26	0.16 %	100.00 %

Luminaria		Ensayo		Lámpara	
Código	00-4601-21-14	Código	00-4601-21-14	Código	PL ELECT pro23W/827
Nombre	Colgante SPIN 3x23W PL opal	Nombre	Colgante SLIN 3x23W fluor opal	Número	3
Familia	- LEDS-C4	Fecha	14-09-2011	Posición	Universal
Rendimiento	60.43%	Sist. de Coorden.	C-G	Flujo Total	4500.00 lm

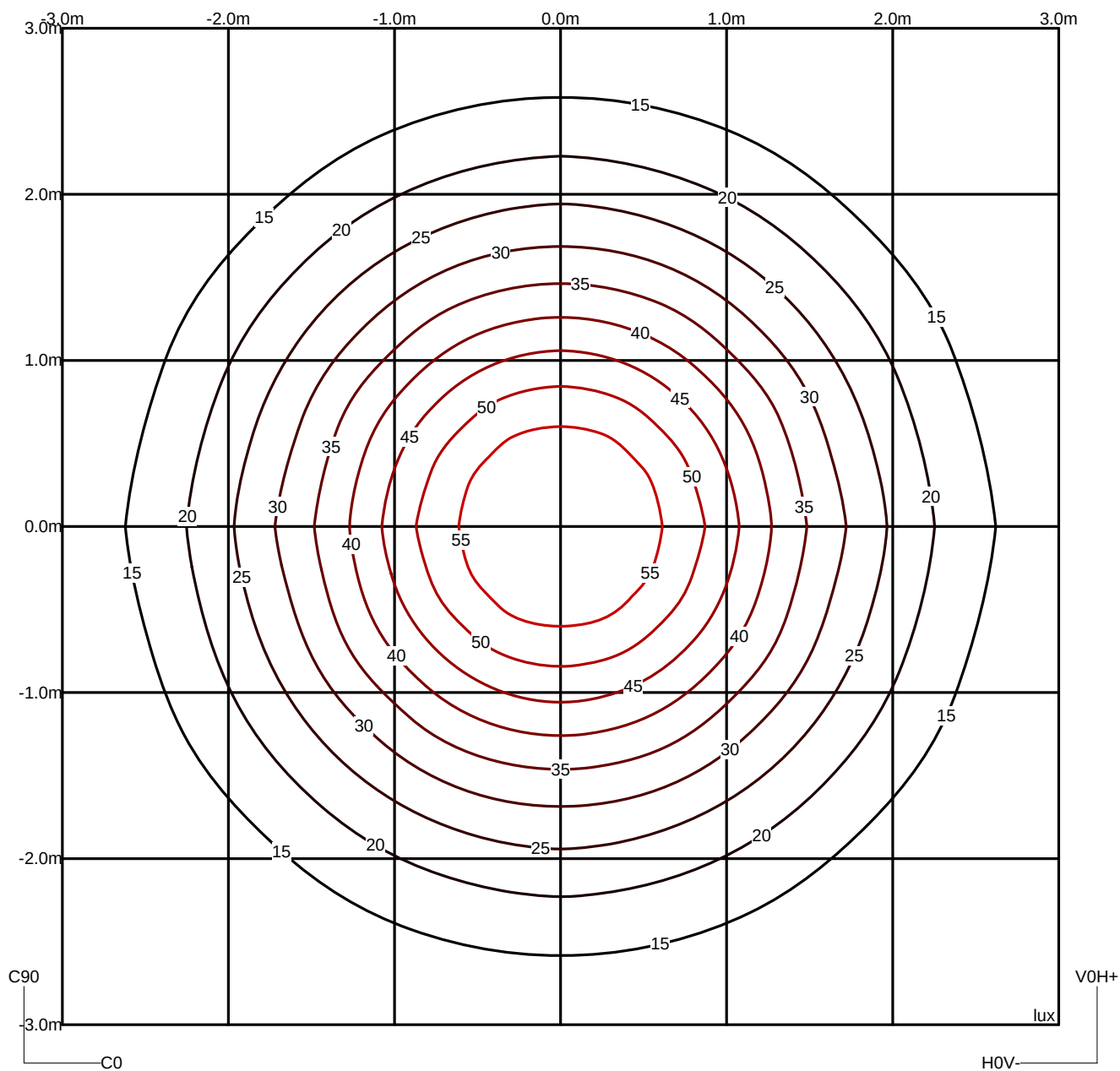
UGR
S = 0.250

Reflectancias										
Techo/Cavidad	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Paredes	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
PDT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dimensiones del Local						Vista Longitudinal				
Vista Lateral										
x=2H y=2H	10.4	11.2	11.3	12.1	13.3	10.3	11.2	11.2	12.1	13.3
x=2H y=3H	12.0	12.8	13.0	13.7	14.8	11.9	12.7	12.9	13.6	14.8
x=2H y=4H	12.8	13.5	13.7	14.4	15.5	12.6	13.3	13.6	14.3	15.5
x=2H y=6H	13.5	14.1	14.4	15.1	16.1	13.3	13.9	14.2	14.8	16.1
x=2H y=8H	13.8	14.4	14.7	15.3	16.3	13.5	14.1	14.5	15.1	16.3
x=2H y=12H	14.0	14.6	15.0	15.6	16.5	13.7	14.3	14.7	15.3	16.5
x=4H y=2H	10.9	11.6	11.9	12.6	13.7	10.9	11.6	11.8	12.5	13.7
x=4H y=3H	12.7	13.3	13.7	14.3	15.5	12.7	13.2	13.6	14.2	15.5
x=4H y=4H	13.6	14.1	14.6	15.1	16.2	13.5	14.0	14.5	15.0	16.2
x=4H y=6H	14.4	14.8	15.4	15.8	17.0	14.2	14.7	15.2	15.7	17.0
x=4H y=8H	14.7	15.1	15.7	16.1	17.3	14.5	15.0	15.5	16.0	17.3
x=4H y=12H	15.0	15.4	16.0	16.4	17.5	14.8	15.2	15.8	16.2	17.5
x=8H y=4H	13.8	14.2	14.8	15.3	16.5	13.7	14.1	14.7	15.2	16.5
x=8H y=6H	14.8	15.1	15.8	16.1	17.3	14.6	15.0	15.6	16.0	17.3
x=8H y=8H	15.2	15.5	16.2	16.5	17.7	15.0	15.3	16.1	16.4	17.7
x=8H y=12H	15.6	15.9	16.6	16.9	18.1	15.4	15.7	16.5	16.7	18.1
x=12H y=4H	13.8	14.2	14.8	15.2	16.5	13.7	14.1	14.7	15.1	16.5
x=12H y=6H	14.8	15.1	15.9	16.1	17.4	14.7	15.0	15.7	16.0	17.4
x=12H y=8H	15.3	15.6	16.3	16.6	17.8	15.2	15.4	16.2	16.5	17.8

Luminaria		Ensayo		Lámpara	
Código	00-4601-21-14	Código	00-4601-21-14	Código	PL ELECT pro23W/827
Nombre	Colgante SPIN 3x23W PL opal	Nombre	Colgante SLIN 3x23W fluor opal	Número	3
Familia	- LEDS-C4	Fecha	14-09-2011	Posición	Universal
Rendimiento	60.43%	Sist. de Coorden.	C-G	Flujo Total	4500.00 lm

Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m



Luminaria										Ensayo										Lámpara									
Código 00-4601-21-14										Código 00-4601-21-14										Código PL ELECT pro23W/827									
Nombre Colgante SPIN 3x23W PL opal										NombreColgante SLIN 3x23W fluor opal										Número 3									
Familia - LEDS-C4										Fecha 14-09-2011										Posición Universal									
Rendimiento		60.43%								Sist. de Coorden.		C-G								Flujo Total		4500.00 lm							

Utilización CIE																											
Montaje	Directo				114-Norm type normalizados								Raz. de Susp. 1/3								CIE Estándar						
	Techo																										
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000				
0.60	339	305	318	287	290	274	256	217	246	210	227	171	213	145	196	183	162	174	139	154	147	127	116				
0.80	375	344	343	316	327	302	289	253	272	239	251	200	235	172	224	209	189	198	164	179	171	150	137				
1.00	399	371	356	333	353	319	314	280	290	260	268	221	251	193	244	228	209	216	184	199	189	169	155				
1.25	421	396	366	347	377	333	338	307	305	279	283	241	266	213	262	246	229	233	204	218	208	187	172				
1.50	436	414	371	355	394	342	356	328	315	292	294	256	277	229	275	260	244	247	219	233	222	202	185				
2.00	456	438	376	363	418	351	383	358	328	310	309	277	293	252	293	279	265	266	242	254	244	225	206				
2.50	468	453	377	367	433	356	401	380	336	320	319	292	304	268	305	292	280	280	259	269	259	242	221				
3.00	477	464	378	369	443	359	415	396	341	328	325	302	312	281	313	301	290	290	271	279	271	254	232				
4.00	488	478	377	371	458	362	433	418	348	337	334	316	323	297	323	313	305	303	288	294	286	271	247				
5.00	495	487	377	372	466	364	445	432	351	343	340	325	330	309	330	321	314	312	300	304	297	283	258				
10.00	509	505	374	372	485	366	472	465	358	354	352	344	345	334	343	338	334	333	325	325	321	310	281				
20.00	517	514	372	371	494	365	487	483	362	359	358	354	354	348	350	347	345	344	340	337	334	325	294				

Pared																											
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000				
0.60	235	217	209	193	207	185	163	145	149	133	125	104	108	84	125	106	98	92	80	94	82	74	65				
0.80	274	255	236	221	241	210	196	177	176	159	151	127	132	105	147	128	119	113	99	112	99	89	78				
1.00	301	283	255	241	266	228	222	202	195	179	170	146	151	123	163	144	135	129	115	125	113	100	87				
1.25	327	310	271	258	290	243	247	228	213	197	189	165	170	142	179	160	151	146	131	139	127	111	96				
1.50	347	331	282	271	308	255	267	248	226	212	203	181	185	157	190	173	164	159	144	149	138	120	104				
2.00	372	358	294	285	332	268	295	278	243	231	223	202	206	180	205	190	182	177	163	163	153	132	113				
2.50	389	377	302	295	348	276	315	299	255	244	236	218	221	196	216	202	194	190	176	173	163	141	119				
3.00	401	390	308	301	360	282	330	315	263	253	246	229	232	209	223	211	204	199	187	180	171	147	124				
4.00	419	411	317	312	377	292	352	340	276	268	262	248	249	230	236	225	219	215	204	192	185	158	133				
5.00	432	425	324	319	390	299	368	357	286	279	274	261	262	245	245	236	230	227	217	202	195	166	140				
10.00	465	461	342	340	422	319	409	402	311	307	304	296	296	286	270	264	261	258	252	227	222	189	160				
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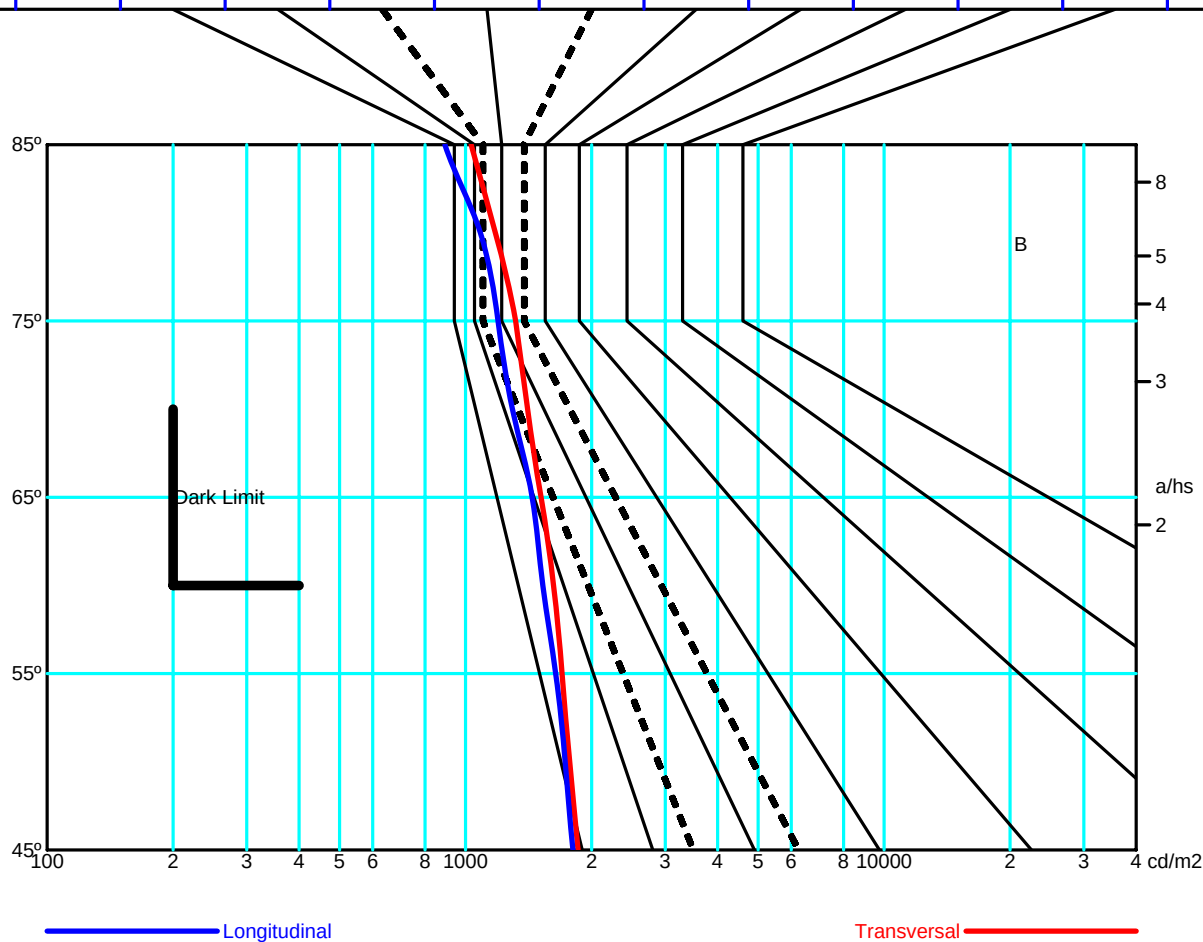
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K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000				
0.60	269	249	251	233	237	222	183	166	177	160	145	124	123	100	149	124	116	106	95	110	95	86	77				
0.80	329	308	303	285	290	270	234	213	223	204	190	163	165	136	187	161	152	142	127	141	124	111	100				
1.00	377	355	343	326	332	307	277	254	262	242	228	199	202	169	219	193	182	173	156	167	151	133	121				
1.25	422	402	381	364	374	342	320	296	300	279	267	236	240	204	251	226	214	205	186	194	178	156	141				
1.50	458	438	409	393	406	368	354	330	329	309	297	266	271	234	275	251	239	232	212	215	200	173	157				
2.00	509	491	448	435	453	407	406	383	372	354	344	314	319	282	313	291	280	273	253	248	234	201	182				
2.50	543	527	473	462	484	432	442	421	401	385	376	348	353	317	338	319	308	302	283	271	258	221	200				
3.00	567	553	491	481	507	449	469	449	422	408	399	373	378	345	357	339	329	324	306	288	276	235	212				
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5.00	619	609	528	521	556	486	529	514	467	457	450	431	435	409	397	384	376	372	358	325	316	266	239				
10.00	663	658	557	554	599	516	582	573	505	500	495	484	485	470	432	424	419	417	408	358	353	293	263				
20.00	687	684	573	571	622	532	613	608	527	523	521	515	515	506	451	447	444	443	438	377	374	310	278				

LM53 SHR C0-C180: 1.349 SHR C90-C270: 1.324 SHR Superficial: 1.451

Luminaria		Ensayo		Lámpara	
Código	00-4601-21-14	Código	00-4601-21-14	Código	PL ELECT pro23W/827
Nombre	Colgante SPIN 3x23W PL opal	Nombre	Colgante SLIN 3x23W fluor opal	Número	3
Familia	- LEDS-C4	Fecha	14-09-2011	Posición	Universal
Rendimiento	60.43%	Sist. de Coorden.	C-G	Flujo Total	4500.00 lm

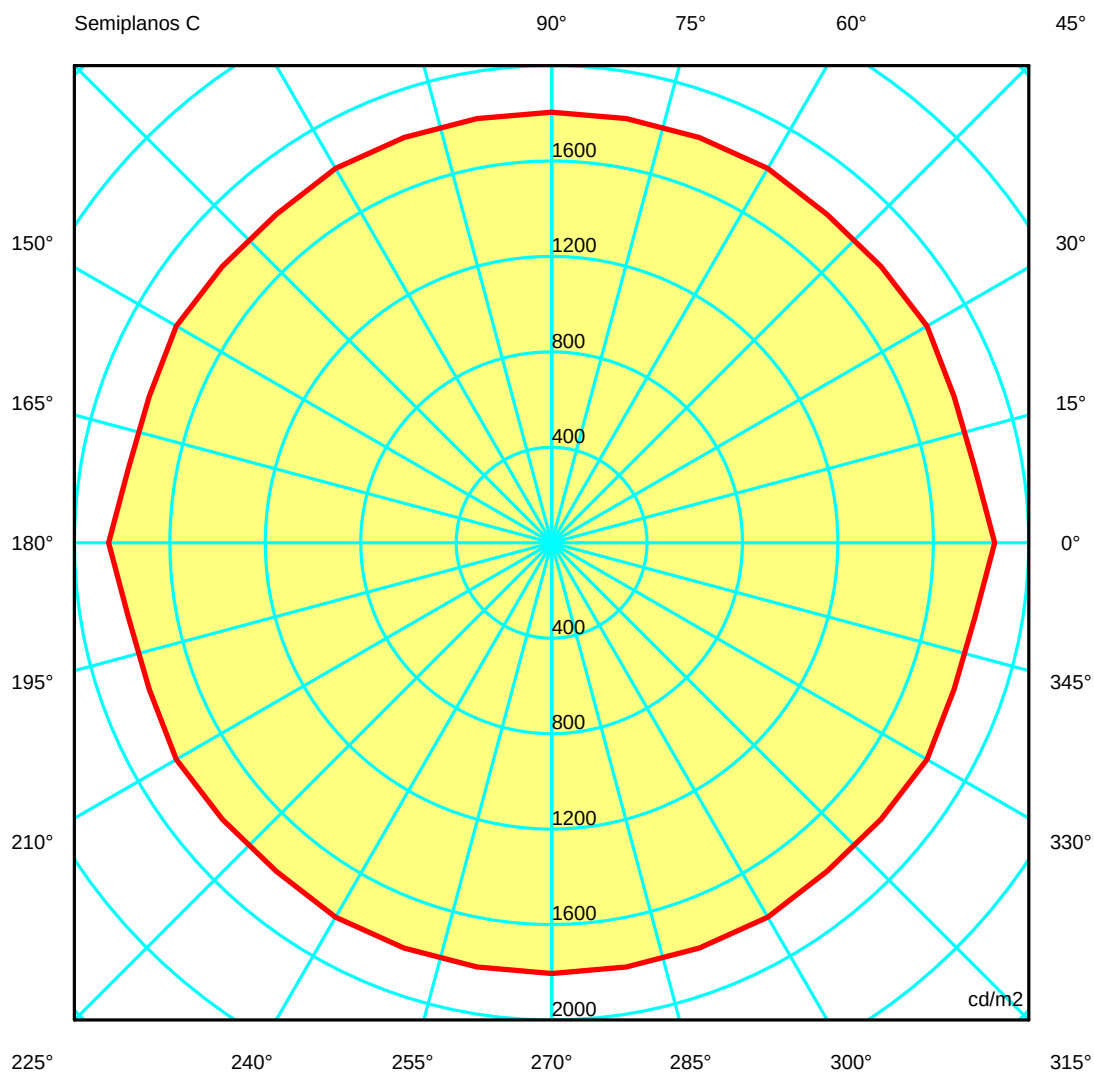
	45°	50°	55°	60°	Luminancia Media [cd/m²]		75°	80°	85°	
0°	1856.6	1772.1	1700.6	1623.5	65°	1515.1	1404.5	1316.6	1178.5	1031.3
90°	1804.7	1730.3	1641.9	1530.1	70°	1442.4	1293.8	1195.7	1084.7	892.5

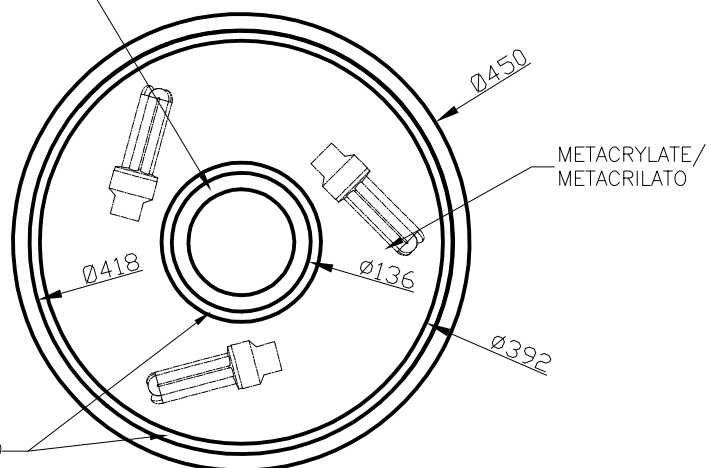
Flujo montado o vista transversal												
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



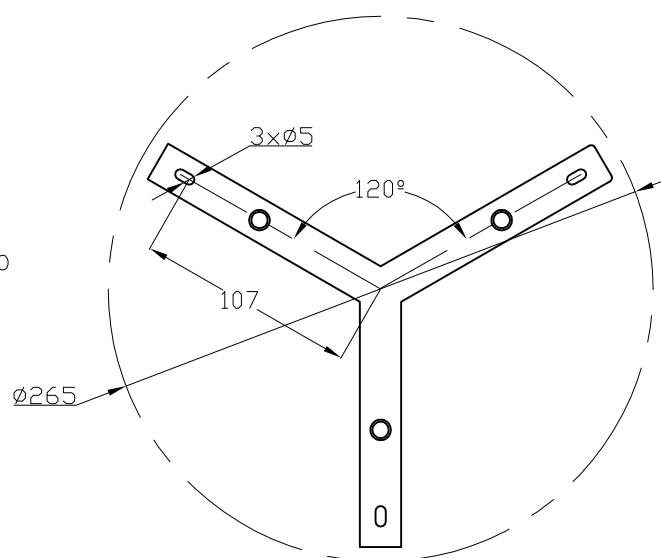
Luminaria		Ensayo		Lámpara	
Código	00-4601-21-14	Código	00-4601-21-14	Código	PL ELECT pro23W/827
Nombre	Colgante SPIN 3x23W PL opal	Nombre	Colgante SLIN 3x23W fluor opal	Número	3
Familia	- LEDS-C4	Fecha	14-09-2011	Posición	Universal
Rendimiento	60.43%	Sist. de Coorden.	C-G	Flujo Total	4500.00 lm

Luminancia												
G/C	0	30	60	90	120	150	180	210	240	270	300	330
0°	2401.01	2401.01	2401.01	2401.01	2401.01	2401.01	2401.01	2401.01	2401.01	2401.01	2401.01	2401.01
5°	2320.01	2324.01	2324.52	2319.19	2324.52	2324.01	2320.01	2324.01	2324.52	2319.19	2324.52	2324.01
10°	2253.62	2256.76	2259.85	2255.35	2259.85	2256.76	2253.62	2256.76	2259.85	2255.35	2259.85	2256.76
15°	2203.65	2198.04	2199.32	2189.88	2199.32	2198.04	2203.65	2198.04	2199.32	2189.88	2199.32	2198.04
20°	2163.92	2140.21	2138.20	2136.70	2138.20	2140.21	2163.92	2140.21	2138.20	2136.70	2138.20	2140.21
25°	2098.41	2082.48	2079.13	2083.82	2079.13	2082.48	2098.41	2082.48	2079.13	2083.82	2079.13	2082.48
30°	2040.08	2029.82	2027.65	2015.19	2027.65	2029.82	2040.08	2029.82	2027.65	2015.19	2027.65	2029.82
35°	2007.59	1962.19	1960.02	1959.13	1960.02	1962.19	2007.59	1962.19	1960.02	1959.13	1960.02	1962.19
40°	1932.13	1884.93	1883.37	1904.05	1883.37	1884.93	1932.13	1884.93	1883.37	1904.05	1883.37	1884.93
45°	1856.59	1816.60	1811.92	1804.66	1811.92	1816.60	1856.59	1816.60	1811.92	1804.66	1811.92	1816.60
50°	1772.09	1725.35	1729.80	1730.29	1729.80	1725.35	1772.09	1725.35	1729.80	1730.29	1729.80	1725.35
55°	1700.59	1639.43	1637.04	1641.89	1637.04	1639.43	1700.59	1639.43	1637.04	1641.89	1637.04	1639.43
60°	1623.52	1548.33	1539.96	1530.10	1539.96	1548.33	1623.52	1548.33	1539.96	1530.10	1539.96	1548.33
65°	1515.06	1433.44	1441.84	1442.40	1441.84	1433.44	1515.06	1433.44	1441.84	1442.40	1441.84	1433.44
70°	1404.51	1341.98	1336.06	1293.84	1336.06	1341.98	1404.51	1341.98	1336.06	1293.84	1336.06	1341.98
75°	1316.63	1208.30	1212.62	1195.71	1212.62	1208.30	1316.63	1208.30	1212.62	1195.71	1212.62	1208.30
80°	1178.51	1063.66	1055.63	1084.71	1055.63	1063.66	1178.51	1063.66	1055.63	1084.71	1055.63	1063.66
85°	1031.29	951.73	935.86	892.53	935.86	951.73	1031.29	951.73	935.86	892.53	935.86	951.73
90°	955.46	947.02	927.90	911.12	927.90	947.02	955.46	947.02	927.90	911.12	927.90	947.02



FABRIC SHADE /
PANTALLA DE TELA

STEEL/ACERO



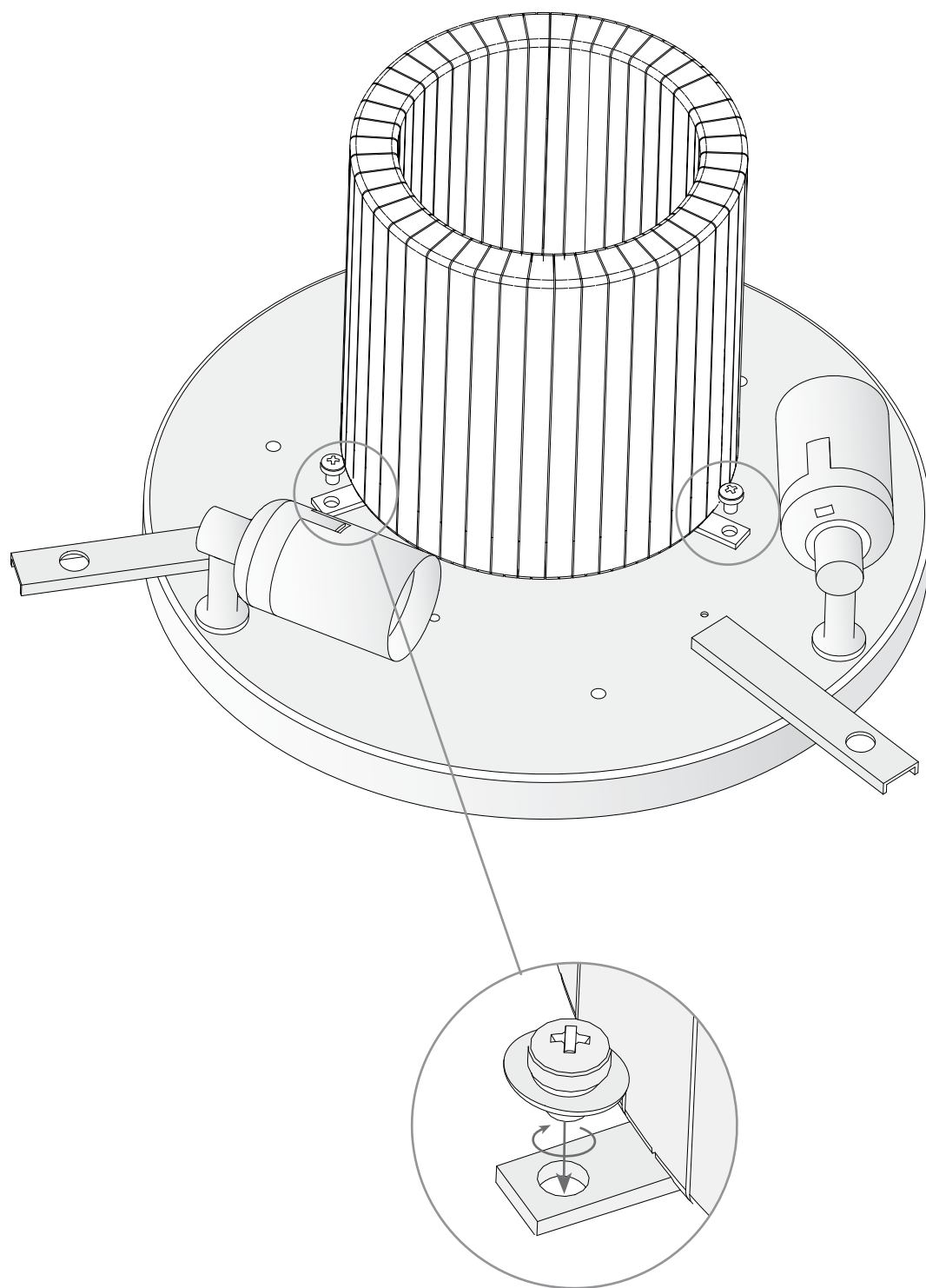
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STEEL/ACERO

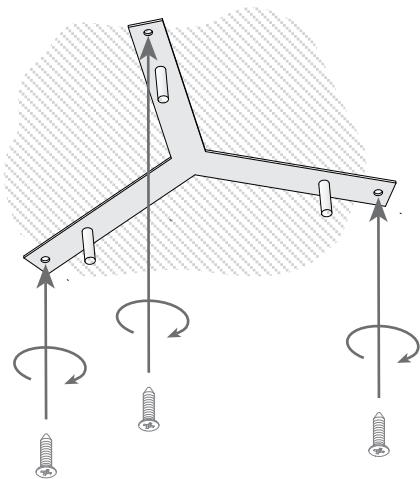
FABRIC SHADE /
PANTALLA DE TELA

140

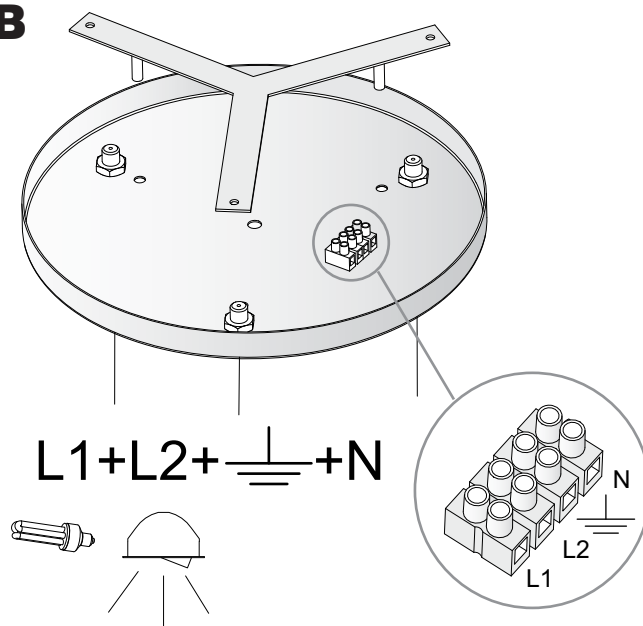
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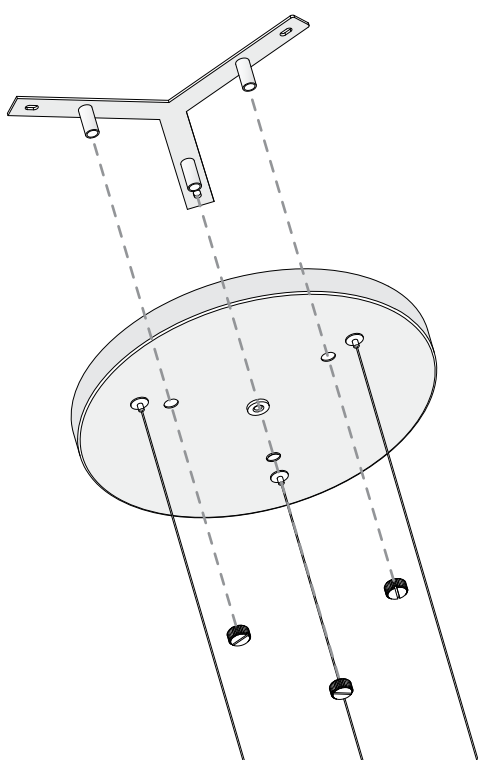
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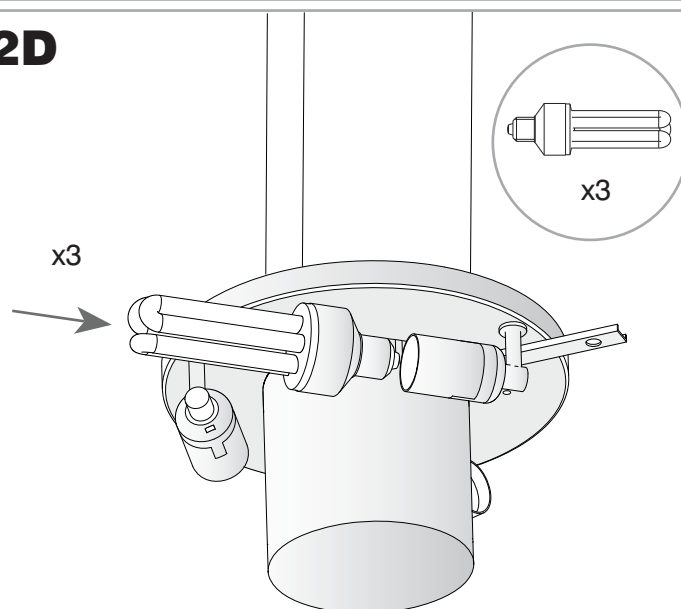
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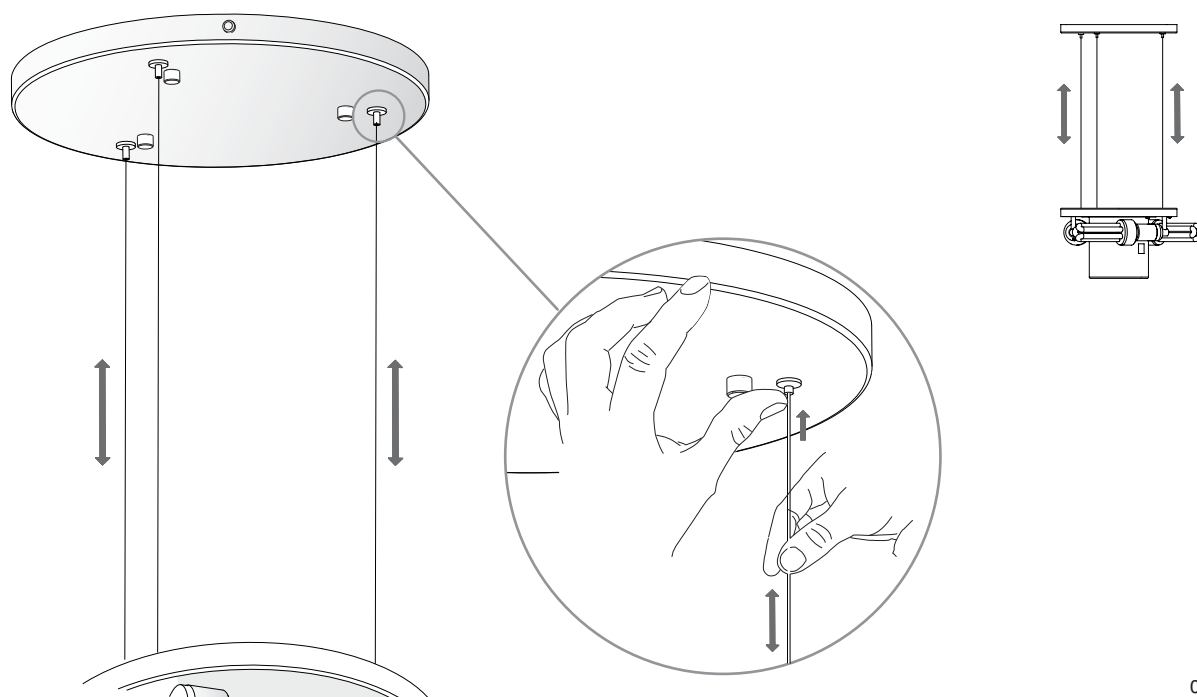
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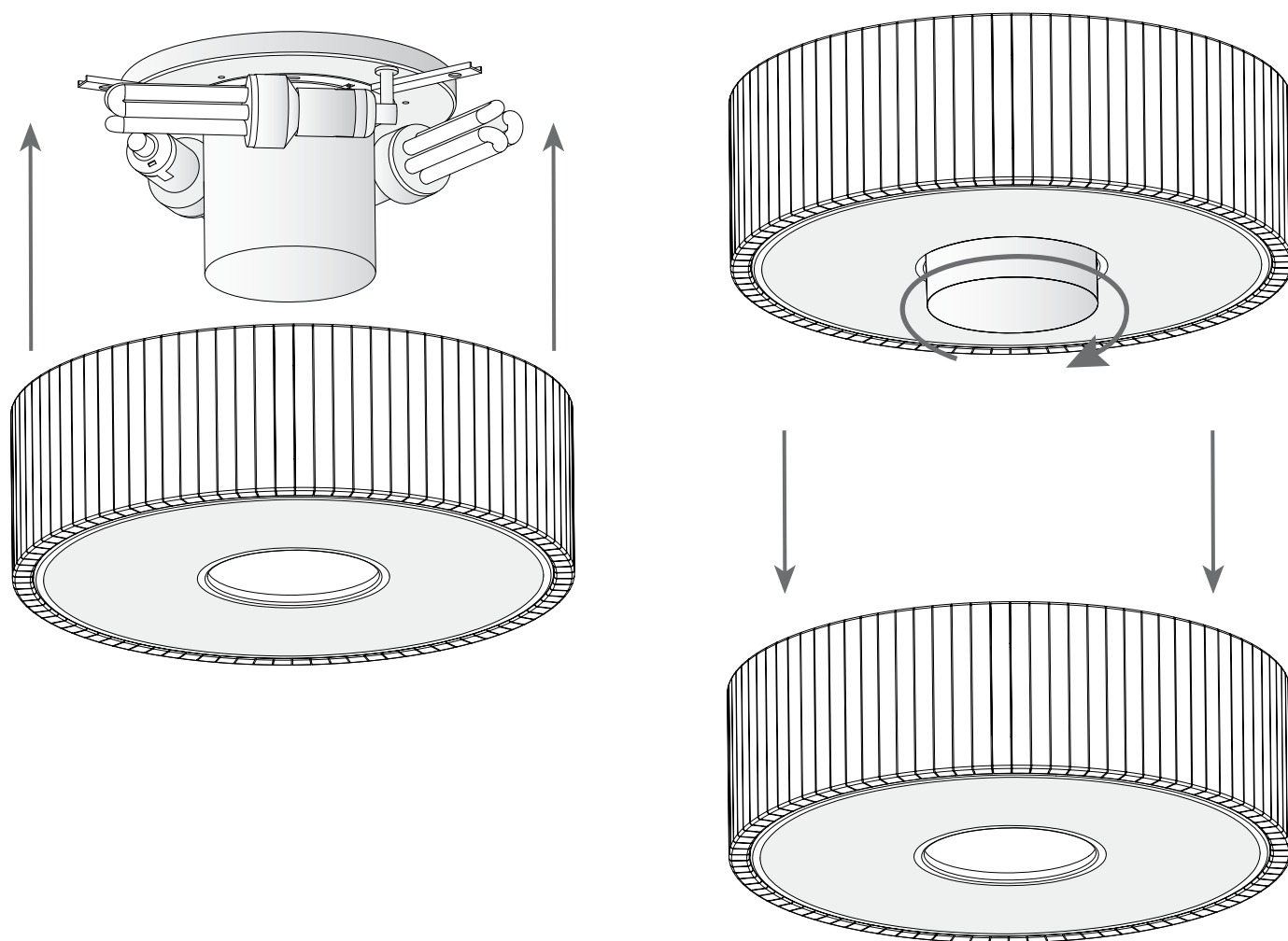
2D



2E



3A



3B

