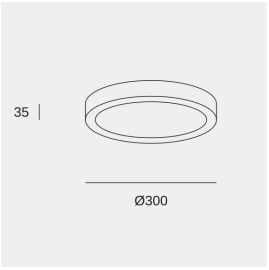
Instrucciones de montaje
Datos Fotométricos

Easy Round Surface Ø300mm

LedsC4 Team

TC-0416-BLA

Superficie de Techo Easy Round Surface Ø300mm IP23 LED 22W 4000K ON-OFF Blanco 1832lm



CARACTERÍSTICAS TÉCNICAS

IP23

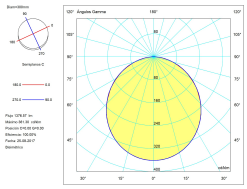
Potencia total luminaria : 24W
Lúmenes reales : 1832
Lúmenes nominales : 2720
Lm / W reales : 76
Ángulo Ópticas / Reflector : HORIZONTAL 109º
Material de la estructura : Aluminio
Acabado estructura : Blanco
Material del difusor : Acrílico
Acabado difusor : Opal

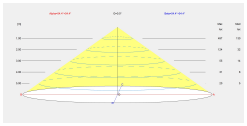
Voltaje / Frecuencia : 100-240V ~ 50/60Hz
Protocolo de regulación : ON-OFF
Power Factor : 0.90
Vida útil : 36.000h L70B30
Garantía : 5 Años
Luminaria fácilmente reciclable

CARACTERÍSTICAS LUMINOTÉCNICAS

CRI: 80
MacAdam steps: 3
Riesgo fotobiológico: RG1

Portalámparas	Cantidad	Potencia fuente de luz (W)	Temperatura de color correlacionada (CCT)
LED	1	22W	4000K





LOGÍSTICA

Peso neto (Kg): 0.7
Peso embalado (Kg): 0.89
Embalaje: 310mm x 310mm x 45mm

10 Un

La imagen puede no coincidir con la referencia, LEDS C4 se reserva el derecho de modificación de alguno de los componentes que componen el producto. Los datos relativos al flujo, la potencia y la Temperatura de Color están sujetos a una tolerancia de +- 10%.

Luminaria
Código TC-0416-BLA
Nombre EASY
Ensayo
Código TC-0416-BLA
Nombre EASY

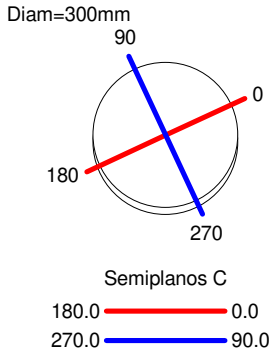
Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminaria Redonda	Diam. 300 mm	Altura	33 mm
Área Luminosa Redonda	Diam. 250 mm	Altura	0 mm
Área Luminosa Horizontal	0.049087 m2	Área Emisión sobre Pl. 180°	0.000000 m2
Área Emisión sobre Pl. 0°	0.000000 m2	Área Emisión sobre Pl. 270°	0.000000 m2
Área Emisión sobre Pl. 90°	0.000000 m2	Área de deslumbramiento a 76°	0.011875 m2
Sist. de Coorden.	CG	Tipo de Simetría	Bisimétrico
Fecha	25-08-2017	Máximo Ángulo Gamma	90
Distancia de Ensayo	0.00	Flujo de Ensayo	1832 lm
Operador	LEDS	Tensión Nominal	
Temperatura		Corriente Nominal	
Humedad		Fotocélula	
Notas			

Fuentes de luz de la Luminaria

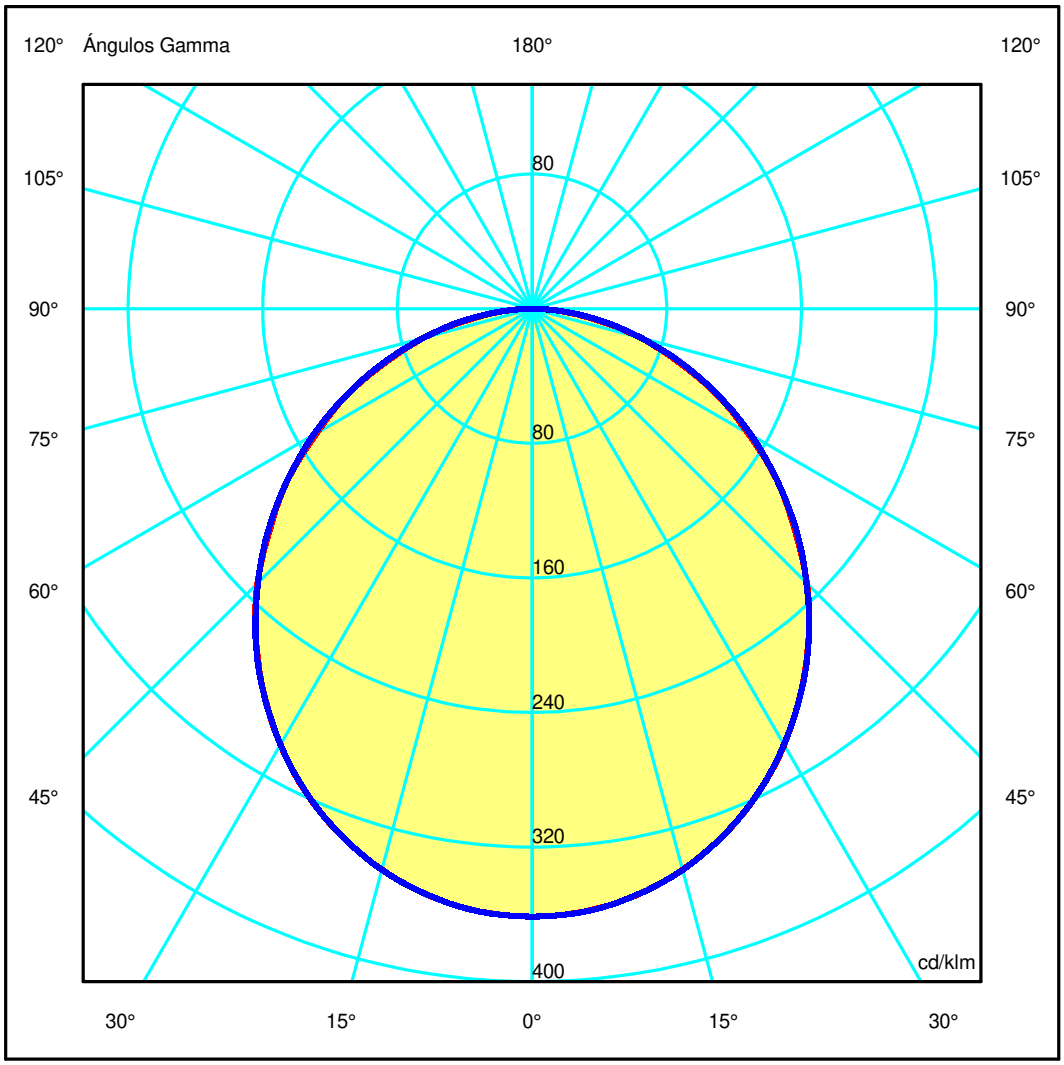
Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	TC-0416-BLA	TC-0416-BLA	1832.00	22.76	1

C.I.E.	48 79 95 100 100	D DIN 5040	A30
F UTE	1.00 E	B NBN	BZ 4



Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



Luminaria
Código TC-0416-BLA
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Nombre EASY

Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

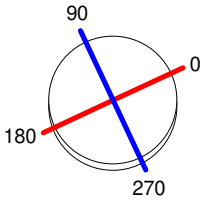
Tabla de Intensidad Luminosa cd/klm **Tabla 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	361.30	361.30	361.30	361.30	361.30	361.30	361.30
G 5.0	359.53	359.45	359.59	359.49	359.33	359.45	359.61
G 10.0	354.07	354.02	354.03	353.99	354.05	353.88	353.96
G 15.0	345.12	345.06	345.13	344.64	344.86	345.09	345.17
G 20.0	332.88	332.71	332.80	332.68	332.85	332.42	332.82
G 25.0	317.55	317.22	317.44	316.56	317.33	317.47	317.46
G 30.0	299.29	298.98	298.93	298.50	299.15	298.27	299.04
G 35.0	278.19	277.96	278.17	277.16	277.95	278.18	278.38
G 40.0	255.44	254.94	255.02	254.65	255.22	254.68	255.64
G 45.0	230.80	230.27	230.41	229.21	230.25	230.67	230.40
G 50.0	203.29	204.07	204.33	203.68	204.67	203.35	204.79
G 55.0	177.45	176.95	177.25	175.89	176.97	177.54	177.44
G 60.0	147.97	149.42	149.48	149.70	149.70	148.30	150.23
G 65.0	121.75	121.43	121.67	120.17	121.21	121.88	122.03
G 70.0	92.33	93.23	93.48	93.55	94.38	92.36	94.37
G 75.0	67.03	66.34	66.76	65.68	66.63	67.15	67.11
G 80.0	39.86	40.66	41.16	41.15	41.98	40.33	42.38
G 85.0	18.97	18.72	19.11	18.07	18.92	19.32	19.35
G 90.0	1.17	1.25	1.43	1.56	1.71	1.76	1.75

Luminaria
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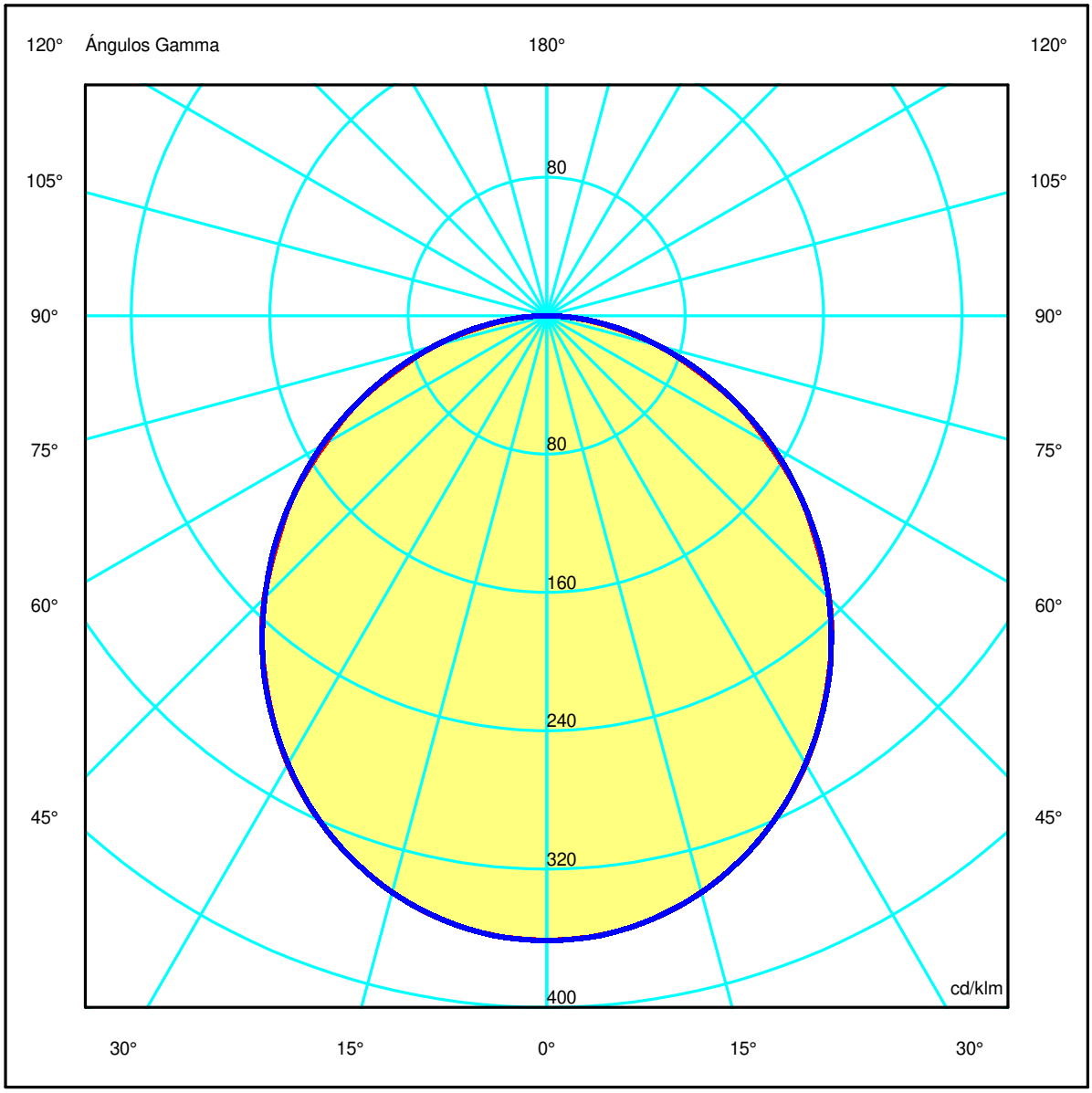
Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=300mm



Semiplanos C

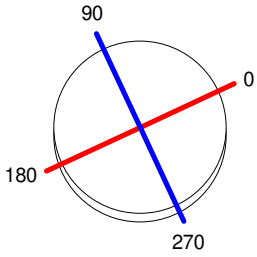




Luminaria
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Código TC-0416-BLA
Nombre EASY

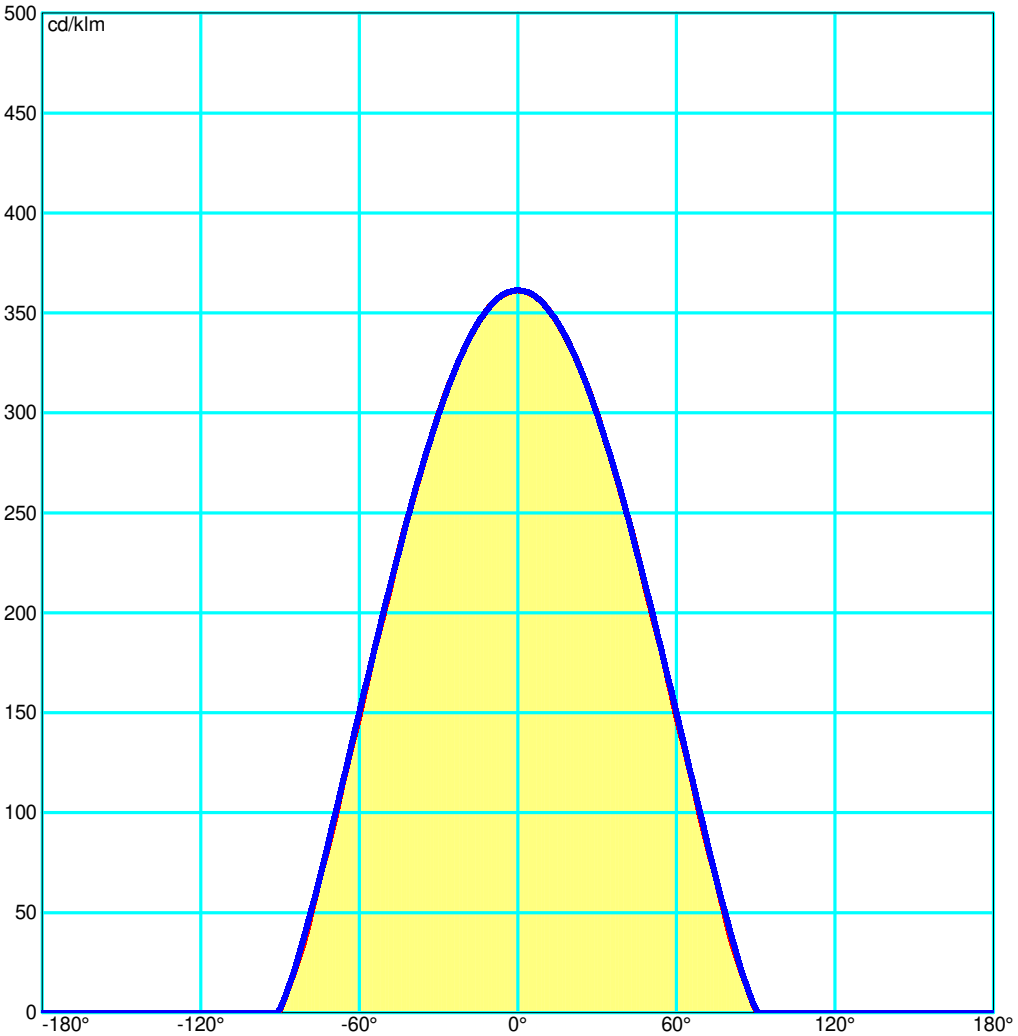
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Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=300mm



Semiplanos C





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Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

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 Lateral					Vista Longitudinal				
x=2H y=2H	21.1	22.4	21.4	22.6	22.9	21.1	22.4	21.4	22.6	22.9
x=2H y=3H	22.6	23.8	23.0	24.1	24.4	22.6	23.9	23.0	24.1	24.4
x=2H y=4H	23.3	24.4	23.6	24.7	25.0	23.3	24.4	23.6	24.7	25.0
x=2H y=6H	23.8	24.8	24.1	25.1	25.4	23.8	24.8	24.1	25.1	25.4
x=2H y=8H	23.9	24.9	24.3	25.2	25.6	24.0	25.0	24.3	25.3	25.6
x=2H y=12H	24.0	25.0	24.4	25.3	25.6	24.1	25.0	24.4	25.4	25.7
x=4H y=2H	21.8	22.9	22.1	23.2	23.5	21.8	22.9	22.1	23.2	23.5
x=4H y=3H	23.5	24.5	23.9	24.8	25.1	23.5	24.5	23.9	24.8	25.1
x=4H y=4H	24.3	25.2	24.7	25.5	25.9	24.3	25.2	24.7	25.5	25.9
x=4H y=6H	24.9	25.6	25.3	26.0	26.4	24.9	25.7	25.3	26.0	26.4
x=4H y=8H	25.1	25.8	25.5	26.2	26.6	25.1	25.8	25.6	26.2	26.6
x=4H y=12H	25.3	25.9	25.7	26.3	26.7	25.3	25.9	25.8	26.4	26.8
x=8H y=4H	24.6	25.3	25.0	25.7	26.1	24.6	25.3	25.0	25.7	26.1
x=8H y=6H	25.4	25.9	25.8	26.4	26.8	25.4	25.9	25.8	26.4	26.8
x=8H y=8H	25.7	26.2	26.1	26.6	27.1	25.7	26.2	26.2	26.6	27.1
x=8H y=12H	25.9	26.3	26.4	26.8	27.3	25.9	26.4	26.4	26.8	27.3
x=12H y=4H	24.6	25.3	25.1	25.7	26.1	24.6	25.3	25.1	25.7	26.1
x=12H y=6H	25.4	25.9	25.9	26.4	26.9	25.5	26.0	25.9	26.4	26.9
x=12H y=8H	25.8	26.2	26.3	26.7	27.2	25.8	26.2	26.3	26.7	27.2

Luminaria
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Ensayo
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Flujo Total=1832.00 Flujo Luminaria=1832.00

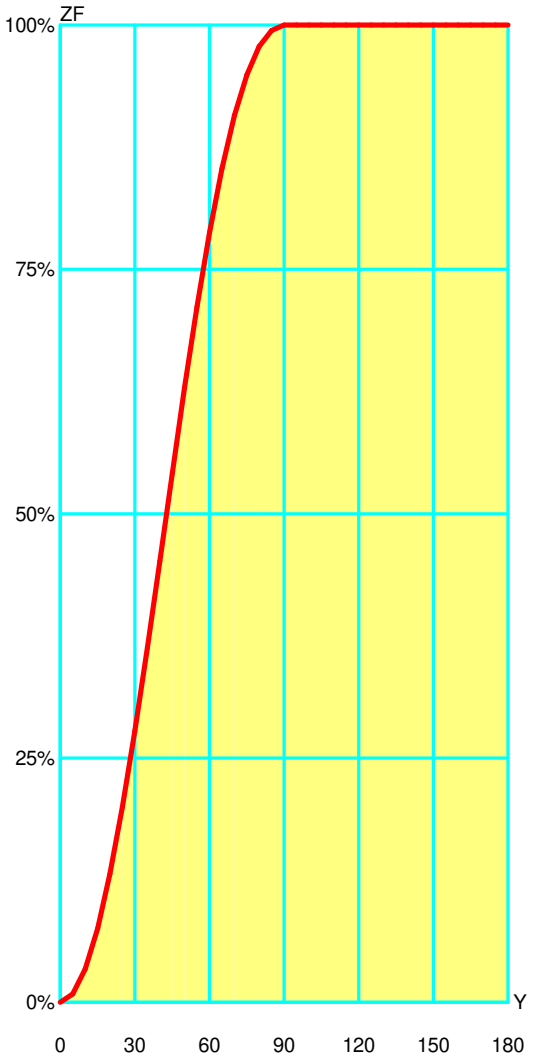
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.39	0.47	0.54	0.59	0.68	0.74	0.78	0.83	0.86	0.93	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	4

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)	34	131	278	451	629	787	907	978	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
48 79 95 100 100

C.I.E.	5/5/5/5/5/5/5/5/5/5/4	LOR	100.00000 %
D DIN 5040	A30	ULOR	0.00000 %
F UTE	1.00 E	DLOR	100.00000 %
B NBN	BZ 4	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	8.62	8.62	0.86 %	0.86 %
10°	25.52	34.14	2.55 %	3.41 %
15°	41.46	75.60	4.15 %	7.56 %
20°	55.85	131.46	5.59 %	13.15 %
25°	68.17	199.63	6.82 %	19.96 %
30°	77.97	277.59	7.80 %	27.76 %
35°	84.94	362.53	8.49 %	36.25 %
40°	88.92	451.45	8.89 %	45.14 %
45°	89.85	541.30	8.98 %	54.13 %
50°	87.75	629.04	8.77 %	62.90 %
55°	82.85	711.89	8.28 %	71.19 %
60°	75.42	787.31	7.54 %	78.73 %
65°	65.80	853.11	6.58 %	85.31 %
70°	54.38	907.49	5.44 %	90.75 %
75°	41.82	949.31	4.18 %	94.93 %
80°	28.81	978.12	2.88 %	97.81 %
85°	16.29	994.41	1.63 %	99.44 %
90°	5.59	1000.00	0.56 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

Luminaria
Código TC-0416-BLA
Nombre EASY
Ensayo
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Nombre EASY

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Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Utilización CIE

Montaje Directo Normalización 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	217	195	170	154	185	147	111	95	87	74	46	35	17	12	69	37	33	14	11	31	12	10	0
0.80	251	230	182	168	219	160	140	122	99	87	56	45	23	17	82	47	42	20	16	40	17	15	0
1.00	274	255	184	172	242	165	163	146	106	96	63	52	29	22	90	54	49	25	21	47	22	20	0
1.25	294	277	181	172	263	165	187	169	111	102	69	59	36	29	95	60	56	31	27	53	28	25	0
1.50	308	293	177	169	279	163	205	189	114	105	74	64	42	34	99	65	61	37	33	58	33	30	0
2.00	326	313	167	161	299	156	234	219	114	108	80	72	51	44	102	72	69	47	42	66	43	39	0
2.50	337	327	158	154	312	149	255	241	114	109	84	77	58	52	104	77	74	54	50	71	50	47	0
3.00	345	336	151	148	321	144	270	258	114	109	87	81	64	58	104	81	78	60	56	75	56	52	0
4.00	356	349	143	140	334	137	292	282	113	110	92	87	72	67	105	86	84	68	65	81	64	61	0
5.00	364	358	137	135	342	132	307	298	113	110	95	90	78	73	106	89	87	74	71	84	70	67	0
10.00	379	376	124	124	360	121	340	335	111	109	101	98	91	88	106	97	96	88	86	93	85	82	0
20.00	386	385	117	116	370	115	359	356	109	109	104	103	99	97	106	101	100	96	95	98	93	91	0

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	466	454	407	399	448	395	353	345	318	313	267	263	230	228	310	263	262	229	228	261	228	227	207
0.80	525	512	445	437	503	431	409	400	360	354	309	304	270	268	350	304	302	269	267	300	267	266	242
1.00	564	551	466	459	539	452	450	440	386	380	337	332	299	296	375	331	329	297	295	327	295	293	266
1.25	597	585	481	475	571	467	488	477	408	403	363	357	326	322	396	356	353	323	321	350	320	318	288
1.50	622	611	490	485	594	477	516	505	424	419	381	376	346	342	411	374	371	343	340	368	339	337	304
2.00	646	636	492	488	617	480	550	539	436	432	399	394	369	364	423	391	389	364	361	384	359	356	319
2.50	660	652	490	487	631	479	572	561	442	438	410	405	383	378	429	401	399	377	374	393	372	367	328
3.00	668	661	486	483	638	476	586	576	444	440	416	411	391	386	430	406	404	384	382	398	379	373	332
4.00	684	678	486	484	654	477	610	602	451	449	428	424	408	403	438	418	416	400	397	409	393	387	343
5.00	696	691	488	486	665	479	628	620	458	455	438	435	420	416	445	427	426	412	409	418	404	397	351
10.00	721	718	490	490	689	483	668	663	471	469	459	457	448	445	458	448	447	438	437	437	429	420	370
20.00	726	724	482	482	694	475	682	679	469	468	462	461	456	454	456	450	450	445	444	439	434	425	372

P.Trab.

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	597	585	557	548	577	542	461	454	444	438	378	373	330	328	434	374	372	329	328	371	328	327	310
0.80	705	690	649	640	678	631	562	552	537	530	469	463	418	415	523	462	460	415	414	458	414	412	394
1.00	789	774	719	710	758	700	646	634	611	604	545	538	493	489	595	536	534	490	488	530	487	485	467
1.25	868	853	782	774	834	763	727	714	681	674	618	611	568	563	664	608	605	563	561	601	560	557	539
1.50	927	912	828	820	890	808	790	776	734	727	675	667	626	620	715	663	660	620	617	654	615	611	594
2.00	1000	999	892	886	972	873	885	872	812	805	760	753	717	710	791	747	744	709	705	736	702	696	681
2.50	1000	1000	931	927	1000	914	949	936	861	856	817	809	778	771	840	802	799	768	764	789	760	752	738
3.00	1000	1000	958	954	1000	941	995	983	896	891	857	850	822	815	874	841	838	811	807	827	801	792	779
4.00	1000	1000	990	987	1000	975	1000	1000	939	935	906	900	877	871	916	889	886	864	860	874	852	842	829
5.00	1000	1000	1000	1000	1000	994	1000	1000	964	961	937	932	912	906	942	919	917	897	894	902	884	872	860
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	988	984	995	982	981	970	968	963	953	937	926
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	992	973	963

LM53 SHR C0-C180: 1.226 SHR C90-C270: 1.226 SHR Superficial: 1.345

Luminaria
Código TC-0416-BLA
Nombre EASY
Ensayo
Código TC-0416-BLA
Nombre EASY

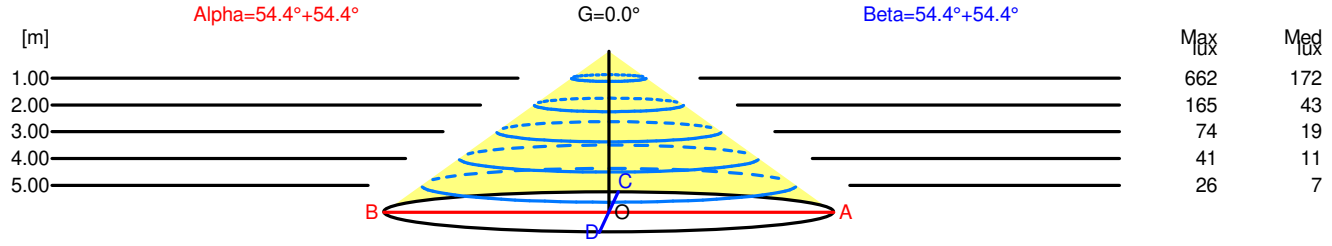
Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Apertura a 50.00 % de Max Intensidad

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	1.40	2.79	4.19	5.59	6.99	OC	1.40	2.80	4.19	5.59	6.99
OB	1.40	2.79	4.19	5.59	6.99	OD	1.40	2.80	4.19	5.59	6.99

Intensidades Luminosas [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	661.91	658.66	632.25	581.75	509.64	422.82	325.08	223.04	122.79	34.75
OB	661.91	658.66	632.25	581.75	509.64	422.82	325.08	223.04	122.79	34.75
OC	661.91	658.81	632.36	581.59	510.00	422.10	325.07	223.56	122.95	35.45
OD	661.91	658.81	632.36	581.59	510.00	422.10	325.07	223.56	122.95	35.45



H[m]	D[m]	Max lux	Med lux	Alpha=54.4°+54.4° G=0.0
1.00	2.79	662	172	
2.00	5.59	165	43	
3.00	8.38	74	19	
4.00	11.18	41	11	
5.00	13.97	26	7	

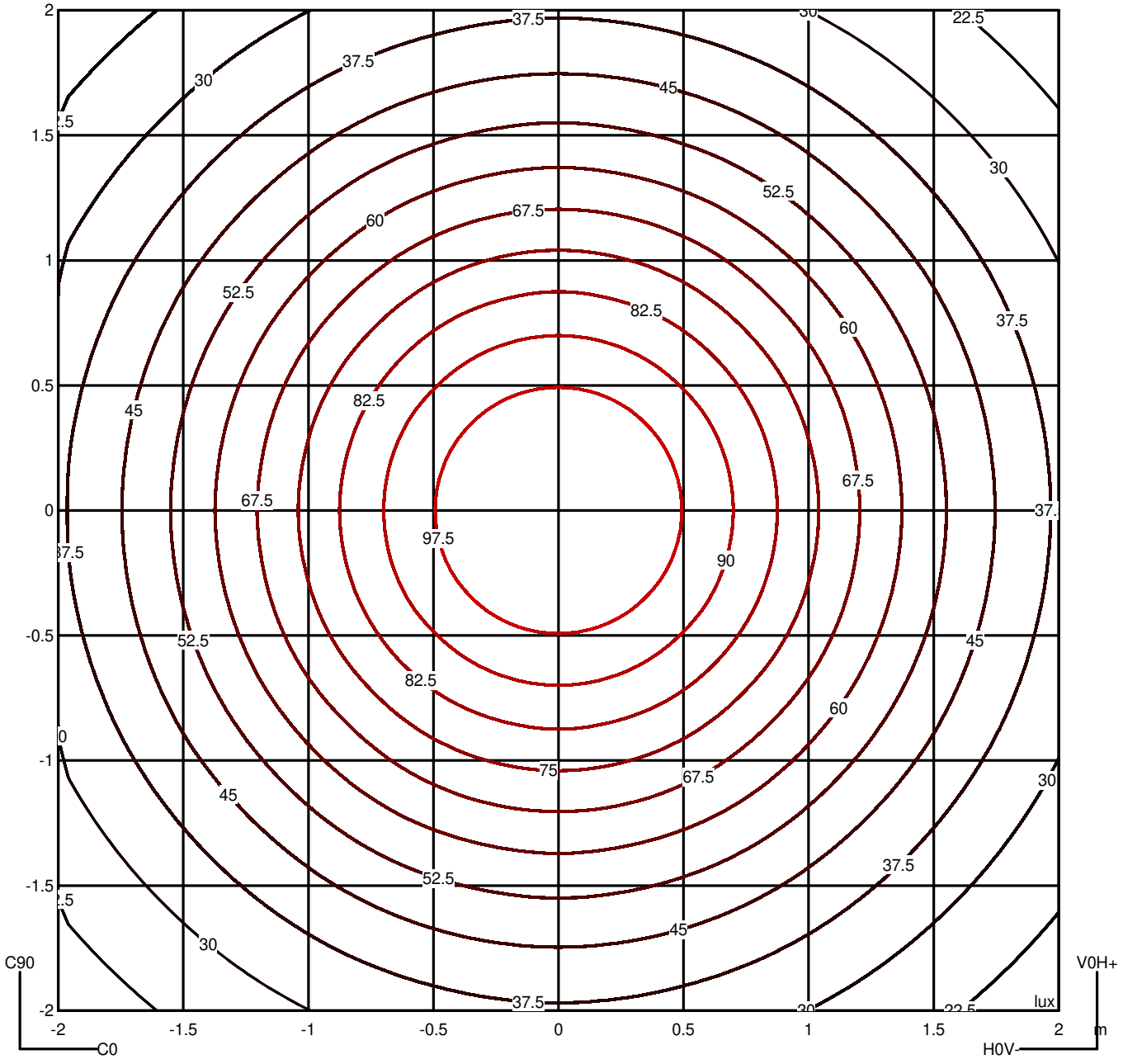
H[m]	D[m]	Max lux	Med lux	Beta=54.4°+54.4° G=0.0
1.00	2.80	662	172	
2.00	5.59	165	43	
3.00	8.39	74	19	
4.00	11.18	41	11	
5.00	13.98	26	7	

Luminaria
Código TC-0416-BLA
Nombre EASY
Ensayo
Código TC-0416-BLA
Nombre EASY

Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Isolux (Suelo)

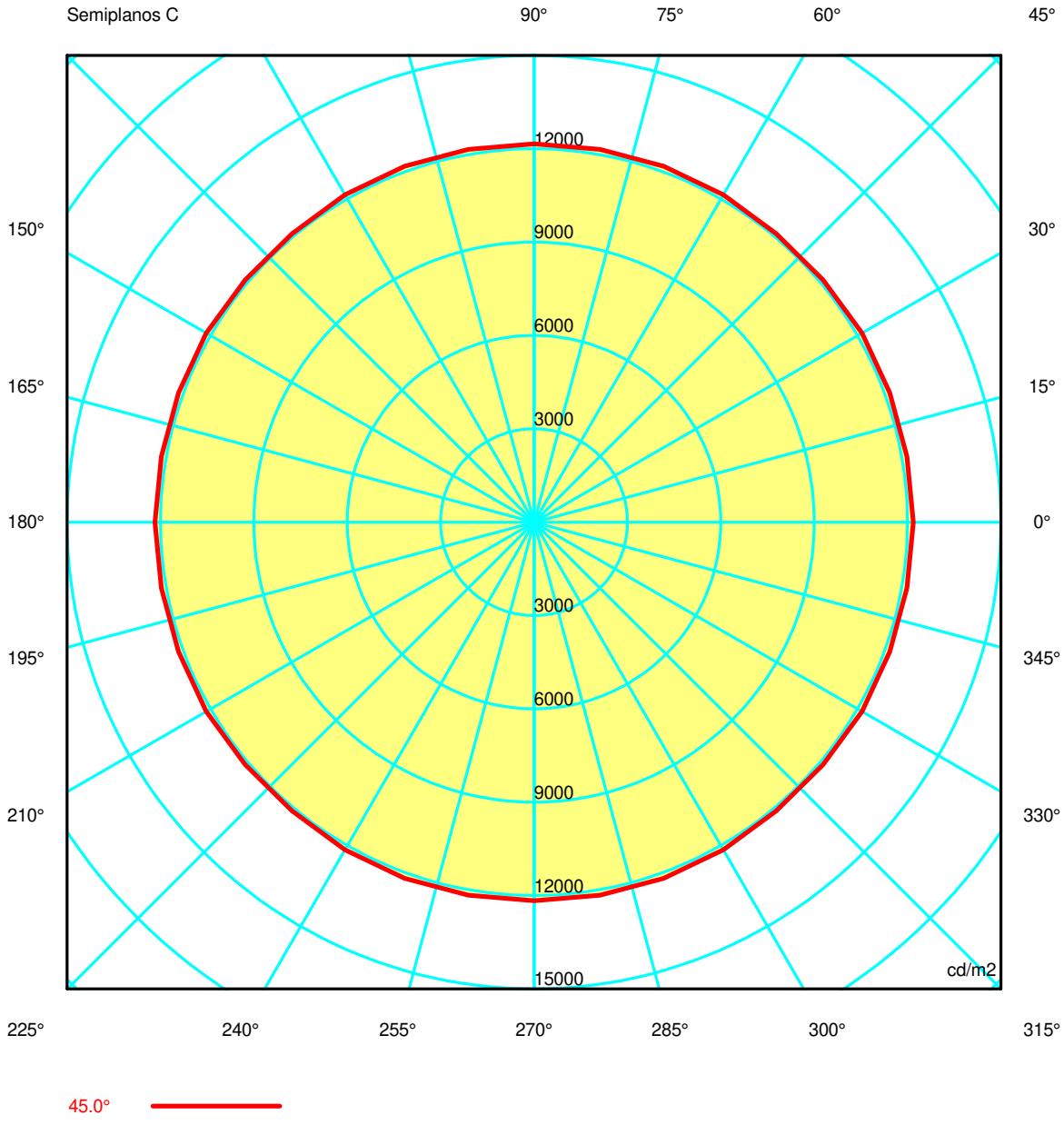
Posición Luminaria X=0.00m Y=0.00m Z=2.50m



Luminaria
Código TC-0416-BLA
Nombre EASY
Ensayo
Código TC-0416-BLA
Nombre EASY

Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminancia



Luminaria
Código TC-0416-BLA
Nombre EASY
Ensayo
Código TC-0416-BLA
Nombre EASY

Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminance cd/m2 **Tabla 1/3**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26
G 5.0	13469.33	13466.17	13467.80	13471.62	13470.08	13465.04	13461.68	13464.15	13468.59	13472.36	13468.59	13464.15	13461.68
G 10.0	13418.17	13416.66	13416.51	13416.65	13415.57	13416.06	13417.39	13412.97	13410.81	13414.08	13410.81	13412.97	13417.39
G 15.0	13334.55	13331.68	13333.17	13335.13	13321.56	13316.15	13324.76	13331.52	13334.89	13336.76	13334.89	13331.52	13324.76
G 20.0	13220.83	13214.87	13215.25	13217.75	13213.50	13215.79	13219.70	13207.45	13203.96	13218.40	13203.96	13207.45	13219.70
G 25.0	13076.40	13063.32	13067.87	13071.92	13044.43	13040.87	13067.48	13071.17	13072.26	13072.91	13072.26	13071.17	13067.48
G 30.0	12898.03	12887.03	12883.82	12882.31	12865.40	12873.75	12891.93	12865.53	12855.66	12887.29	12855.66	12865.53	12891.93
G 35.0	12674.43	12663.56	12667.27	12673.45	12638.93	12633.01	12663.78	12673.62	12675.74	12683.40	12675.74	12673.62	12663.78
G 40.0	12444.85	12424.92	12422.09	12424.55	12408.77	12415.48	12434.36	12415.08	12414.40	12454.45	12414.40	12415.08	12434.36
G 45.0	12181.58	12156.58	12156.11	12161.22	12113.02	12105.77	12152.76	12174.31	12171.73	12160.66	12171.73	12174.31	12152.76
G 50.0	11803.09	11834.13	11861.35	11863.60	11829.12	11845.84	11883.27	11829.39	11814.49	11890.24	11814.49	11829.39	11883.27
G 55.0	11545.94	11515.08	11525.08	11533.51	11467.28	11453.28	11515.04	11548.02	11551.95	11545.68	11551.95	11548.02	11515.04
G 60.0	11044.46	11127.66	11154.73	11157.32	11168.30	11185.62	11174.20	11090.69	11090.06	11213.23	11090.06	11090.69	11174.20
G 65.0	10751.60	10722.19	10730.55	10744.80	10646.82	10621.54	10703.64	10753.10	10769.66	10776.66	10769.66	10753.10	10703.64
G 70.0	10075.56	10145.74	10182.34	10200.52	10205.28	10254.78	10298.78	10137.05	10098.94	10297.89	10098.94	10137.05	10298.78
G 75.0	9665.21	9575.78	9591.54	9626.58	9511.82	9488.56	9607.58	9673.30	9684.89	9677.47	9684.89	9673.30	9607.58
G 80.0	8566.06	8681.98	8792.26	8846.90	8844.90	8903.38	9022.33	8757.74	8719.48	9108.80	8719.48	8757.74	9022.33
G 85.0	8121.77	8000.45	8097.74	8182.19	7854.01	7784.49	8099.93	8254.62	8281.98	8287.15	8281.98	8254.62	8099.93
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria
Código TC-0416-BLA
Nombre EASY
Ensayo
Código TC-0416-BLA
Nombre EASY

Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminance cd/m2 **Tabla 2/3**

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26
G 5.0	13465.04	13470.08	13471.62	13467.80	13466.17	13469.33	13466.17	13467.80	13471.62	13470.08	13465.04	13461.68	13464.15
G 10.0	13416.06	13415.57	13416.65	13416.51	13416.66	13418.17	13416.66	13416.51	13416.65	13415.57	13416.06	13417.39	13412.97
G 15.0	13316.15	13321.56	13335.13	13333.17	13331.68	13334.55	13331.68	13333.17	13335.13	13321.56	13316.15	13324.76	13331.52
G 20.0	13215.79	13213.50	13217.75	13215.25	13214.87	13220.83	13214.87	13215.25	13217.75	13213.50	13215.79	13219.70	13207.45
G 25.0	13040.87	13044.43	13071.92	13067.87	13063.32	13076.40	13063.32	13067.87	13071.92	13044.43	13040.87	13067.48	13071.17
G 30.0	12873.75	12865.40	12882.31	12883.82	12887.03	12898.03	12887.03	12883.82	12882.31	12865.40	12873.75	12891.93	12865.53
G 35.0	12633.01	12638.93	12673.45	12667.27	12663.56	12674.43	12663.56	12667.27	12673.45	12638.93	12633.01	12663.78	12673.62
G 40.0	12415.48	12408.77	12424.55	12422.09	12424.92	12444.85	12424.92	12422.09	12424.55	12408.77	12415.48	12434.36	12415.08
G 45.0	12105.77	12113.02	12161.22	12156.11	12156.58	12181.58	12156.58	12156.11	12161.22	12113.02	12105.77	12152.76	12174.31
G 50.0	11845.84	11829.12	11863.60	11861.35	11834.13	11803.09	11834.13	11861.35	11863.60	11829.12	11845.84	11883.27	11829.39
G 55.0	11453.28	11467.28	11533.51	11525.08	11515.08	11545.94	11515.08	11525.08	11533.51	11467.28	11453.28	11515.04	11548.02
G 60.0	11185.62	11168.30	11157.32	11154.73	11127.66	11044.46	11127.66	11154.73	11157.32	11168.30	11185.62	11174.20	11090.69
G 65.0	10621.54	10646.82	10744.80	10730.55	10722.19	10751.60	10722.19	10730.55	10744.80	10646.82	10621.54	10703.64	10753.10
G 70.0	10254.78	10205.28	10200.52	10182.34	10145.74	10075.56	10145.74	10182.34	10200.52	10205.28	10254.78	10298.78	10137.05
G 75.0	9488.56	9511.82	9626.58	9591.54	9575.78	9665.21	9575.78	9591.54	9626.58	9511.82	9488.56	9607.58	9673.30
G 80.0	8903.38	8844.90	8846.90	8792.26	8681.98	8566.06	8681.98	8792.26	8846.90	8844.90	8903.38	9022.33	8757.74
G 85.0	7784.49	7854.01	8182.19	8097.74	8000.45	8121.77	8000.45	8097.74	8182.19	7854.01	7784.49	8099.93	8254.62
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria
Código TC-0416-BLA
Nombre EASY
Ensayo
Código TC-0416-BLA
Nombre EASY

Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

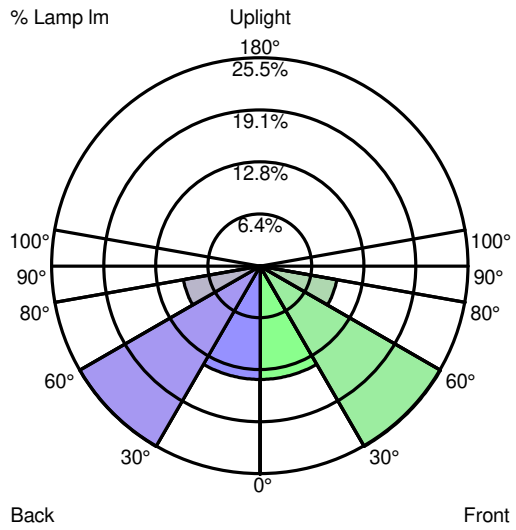
Luminance cd/m2 **Tabla 3/3**

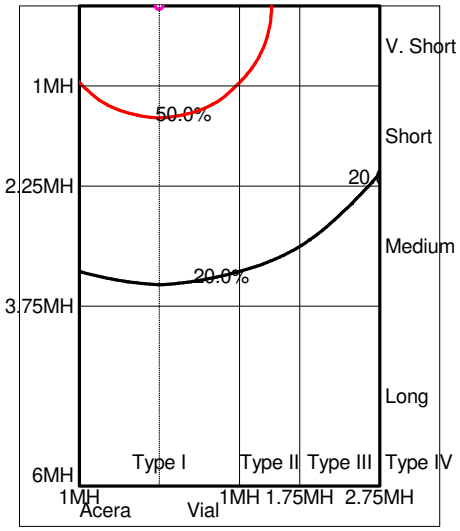
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26	13484.26
G 5.0	13468.59	13472.36	13468.59	13464.15	13461.68	13465.04	13470.08	13471.62	13467.80	13466.17
G 10.0	13410.81	13414.08	13410.81	13412.97	13417.39	13416.06	13415.57	13416.65	13416.51	13416.66
G 15.0	13334.89	13336.76	13334.89	13331.52	13324.76	13316.15	13321.56	13335.13	13333.17	13331.68
G 20.0	13203.96	13218.40	13203.96	13207.45	13219.70	13215.79	13213.50	13217.75	13215.25	13214.87
G 25.0	13072.26	13072.91	13072.26	13071.17	13067.48	13040.87	13044.43	13071.92	13067.87	13063.32
G 30.0	12855.66	12887.29	12855.66	12865.53	12891.93	12873.75	12865.40	12882.31	12883.82	12887.03
G 35.0	12675.74	12683.40	12675.74	12673.62	12663.78	12633.01	12638.93	12673.45	12667.27	12663.56
G 40.0	12414.40	12454.45	12414.40	12415.08	12434.36	12415.48	12408.77	12424.55	12422.09	12424.92
G 45.0	12171.73	12160.66	12171.73	12174.31	12152.76	12105.77	12113.02	12161.22	12156.11	12156.58
G 50.0	11814.49	11890.24	11814.49	11829.39	11883.27	11845.84	11829.12	11863.60	11861.35	11834.13
G 55.0	11551.95	11545.68	11551.95	11548.02	11515.04	11453.28	11467.28	11533.51	11525.08	11515.08
G 60.0	11090.06	11213.23	11090.06	11090.69	11174.20	11185.62	11168.30	11157.32	11154.73	11127.66
G 65.0	10769.66	10776.66	10769.66	10753.10	10703.64	10621.54	10646.82	10744.80	10730.55	10722.19
G 70.0	10098.94	10297.89	10098.94	10137.05	10298.78	10254.78	10205.28	10200.52	10182.34	10145.74
G 75.0	9684.89	9677.47	9684.89	9673.30	9607.58	9488.56	9511.82	9626.58	9591.54	9575.78
G 80.0	8719.48	9108.80	8719.48	8757.74	9022.33	8903.38	8844.90	8846.90	8792.26	8681.98
G 85.0	8281.98	8287.15	8281.98	8254.62	8099.93	7784.49	7854.01	8182.19	8097.74	8000.45
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria
Código TC-0416-BLA
Nombre EASY
Ensayo
Código TC-0416-BLA
Nombre EASY

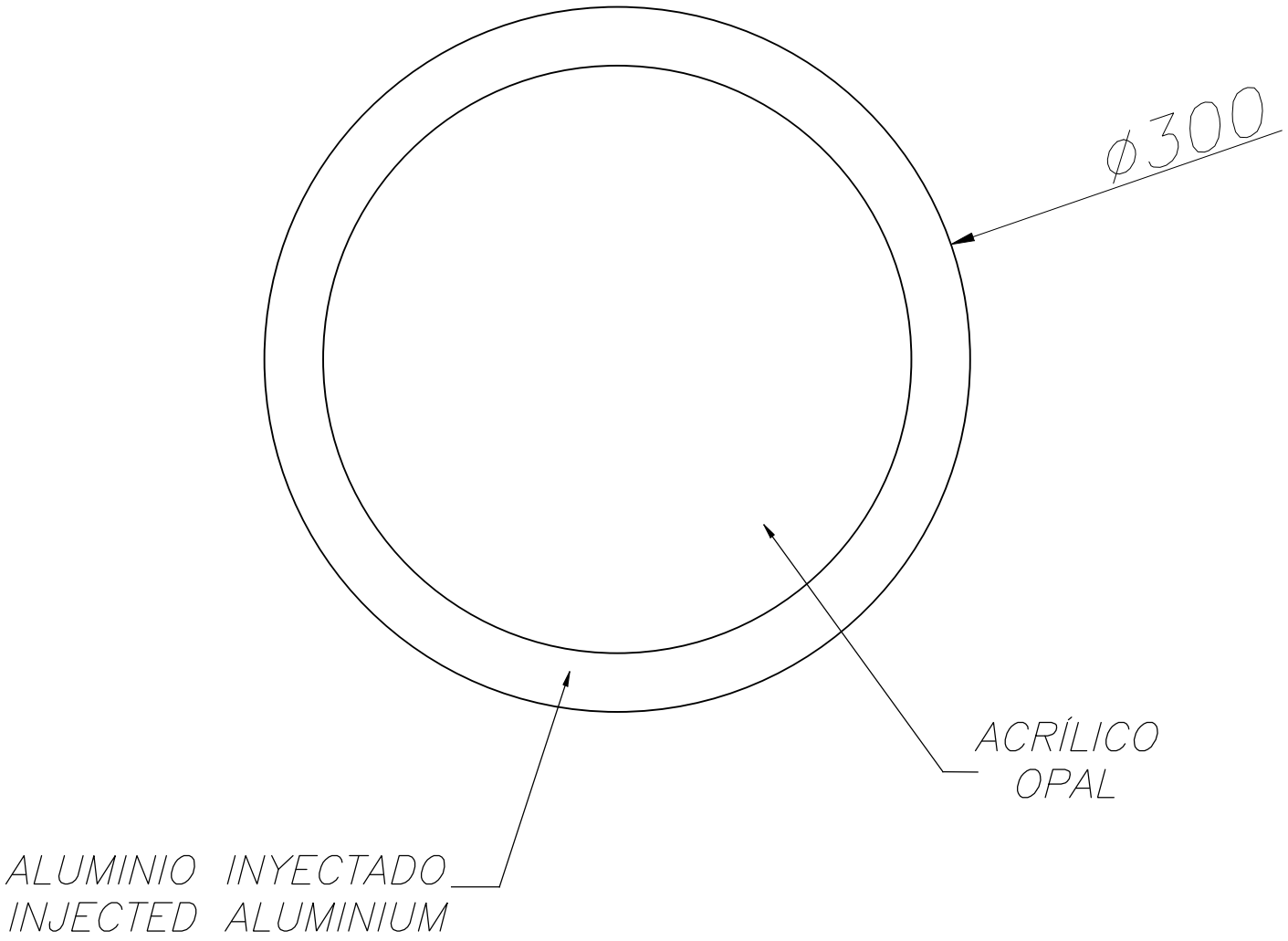
Flujo Luminaria	1832 lm	Potencia Luminaria	22.8 W	Eficacia	80.492 lm/W	Eficiencia	100.00%
Flujo Fuente	1832 lm	Valor Máximo	361.30 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

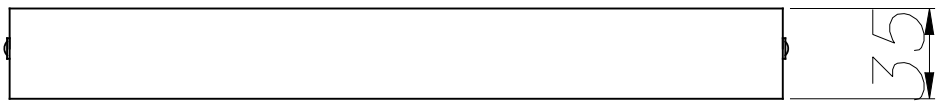
US ROAD STANDARDS



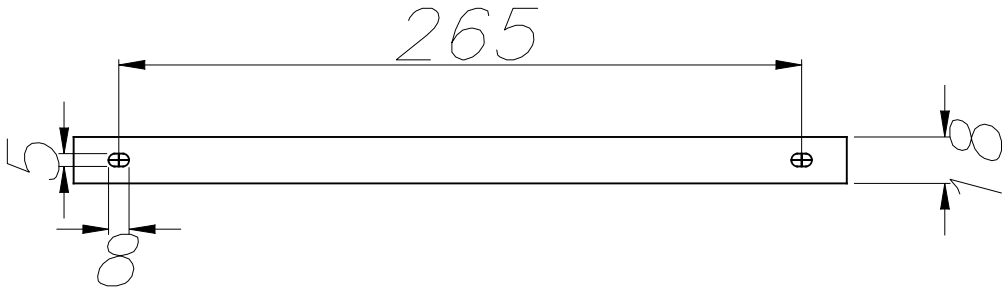


Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	254.4 lm	13.9 %	13.9 %
FM	30° -- 60°	467.2 lm	25.5 %	25.5 %
FH	60° -- 80°	174.7 lm	9.5 %	9.5 %
FVH	80° -- 90°	19.7 lm	1.1 %	1.1 %
BL	0° -- 30°	254.4 lm	13.9 %	13.9 %
BM	30° -- 60°	467.2 lm	25.5 %	25.5 %
BH	60° -- 80°	174.7 lm	9.5 %	9.5 %
BVH	80° -- 90°	19.7 lm	1.1 %	1.1 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		1832.0 lm	100.0 %	100.0 %
BUG B1 U0 G1 Type V Very Short Quadrilateral Symmetry				

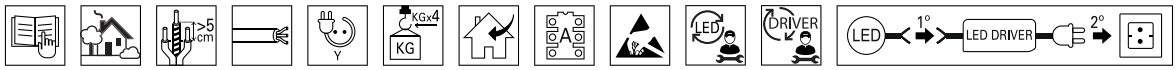


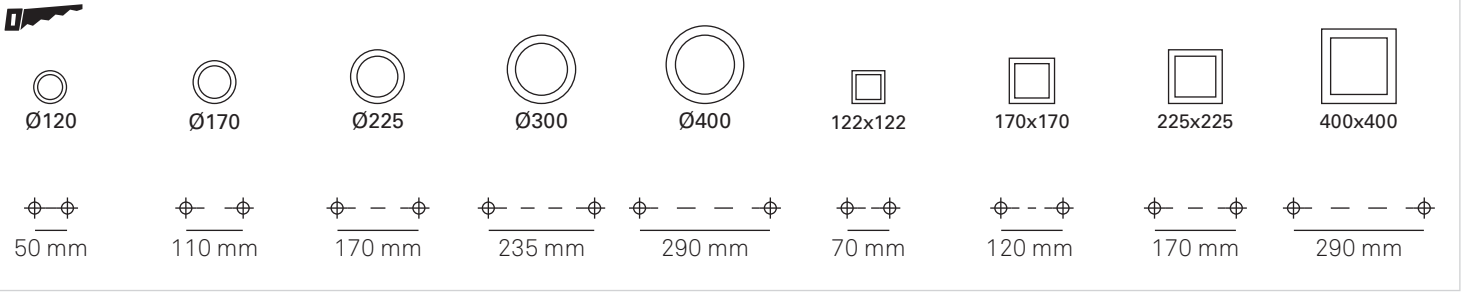


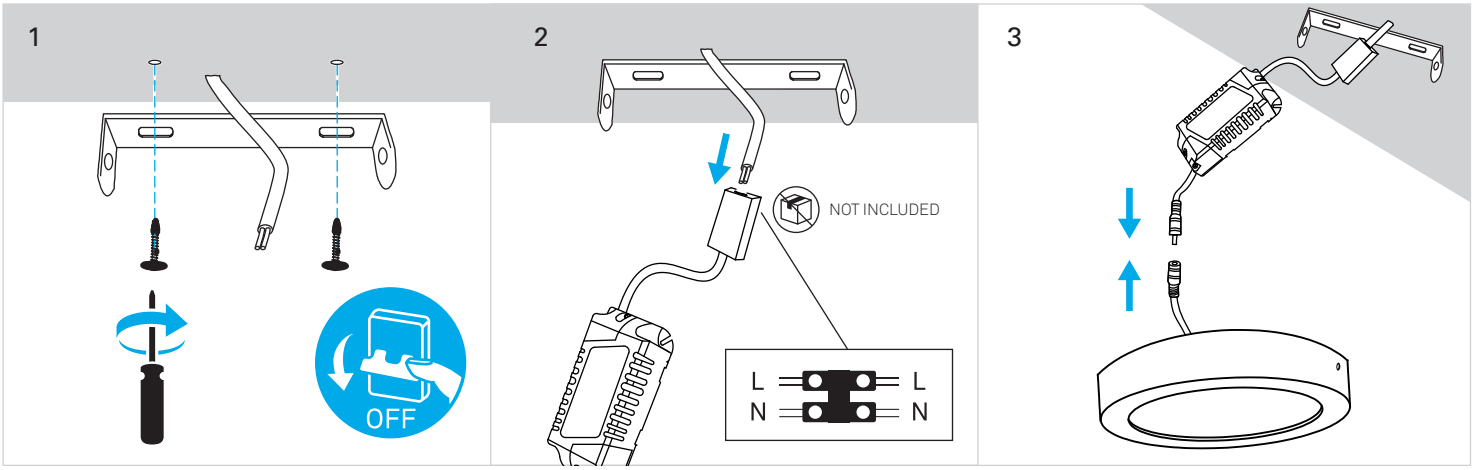
PLANTILLA DE INSTALACIÓN
INSTALLATION TEMPLATE

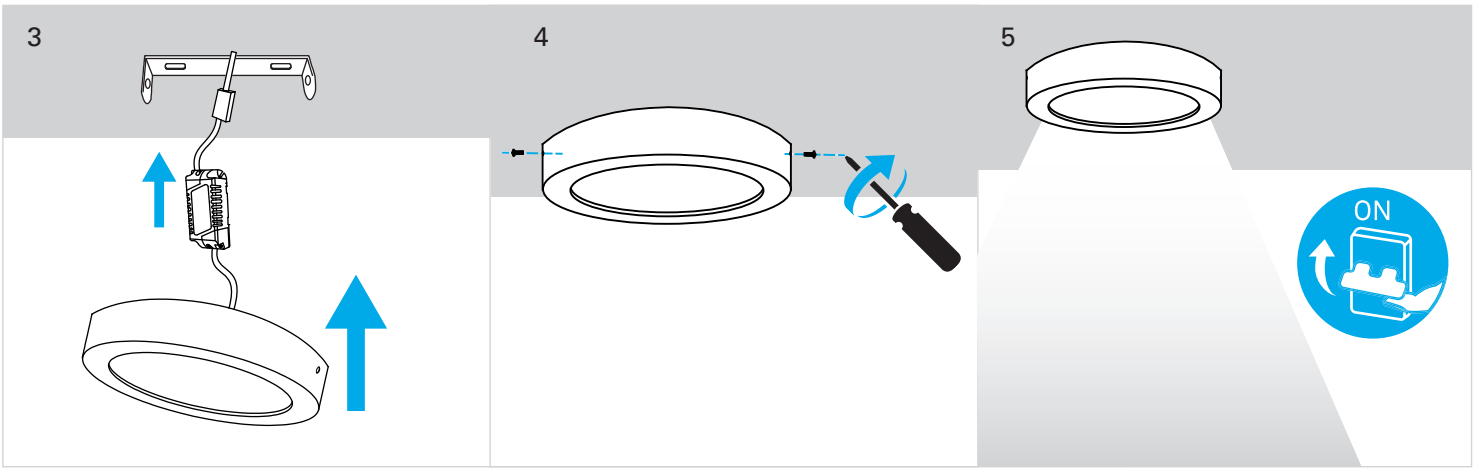


Easy


>5 cm
KGx4
KG
Y
A
LED
DRIVER
LED
1°
LED DRIVER
2°


Ø120
Ø170
Ø225
Ø300
Ø400
122x122
170x170
225x225
400x400
50 mm
110 mm
170 mm
235 mm
290 mm
70 mm
120 mm
170 mm
290 mm


1
OFF
2
NOT INCLUDED
L
N
L
N
3


3
4
5
ON