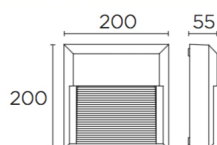


## KÖSSEL Indirect Wall fixture

**Description**

Wall light

For frontal lighting and downlighting. Includes filters to emulate warm light. Specially designed to conceal all mounting screws. Includes easily interchangeable decorative front panels in various finishes. Suitable for installation in marine environments. Includes 2 cable outlets to facilitate chain mounting. Structure material: Polycarbonate + ABS. Structure finish: White. Blades finishes: NA. Diffuser material: Polycarbonate. Diffuser finish: Transparent. UV protection. Warranty: 5 Years.

**Finish**

White  
Transparent  
NA

**Material**

Polycarbonate + ABS  
Polycarbonate

**TECHNICAL CHARACTERISTICS****Light source**

Light source: LED EDISON  
Output (W): 6.4W  
Total power consumption (W): 7 W  
Color temperature: LED neutral-white  
4000K  
CRI: 80  
Photobiological risk: RG0  
Real Lumen: 295  
Qty Leds: 18  
Lm/Real W: 42  
Life Time: 50.000h L80B20  
Bin / Grup: 403  
MacAdam steps: 3  
UGR: 1.4

**GEAR**

Brand: EAGLERISE  
Gear included: Yes, electronic  
Voltage / Frequency: 100-240 VAC  
Power Factor: 0.87  
Flickering: 28.1%

**Luminaire**

Double cable exit: Yes  
Drainage: No  
Seaside: Yes  
Uv Protection: Yes  
Warranty: 5 Years

**Logistics**

Energy Efficiency: LED A++  
EAN Code: 8435381495923  
Net Weight (Kg): 0.500  
Weight in Kg (packaged): 1.126  
Packing: - x - x -  
Masterbox: 12

The photograph may not match the reference exactly. Please read the product description to identify the finish.

# LEDS C4<sup>®</sup>

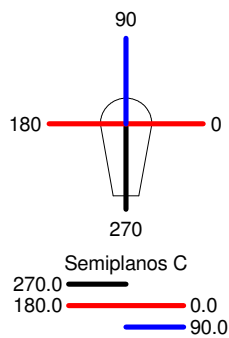
## Luminaria

Código 05-E012-14-CM  
 Nombre APLIQUE LEDES KÖSSEL  
**Ensayo**  
 Código CL116A17F338G  
 Nombre APLIQUE LEDES KÖSSEL

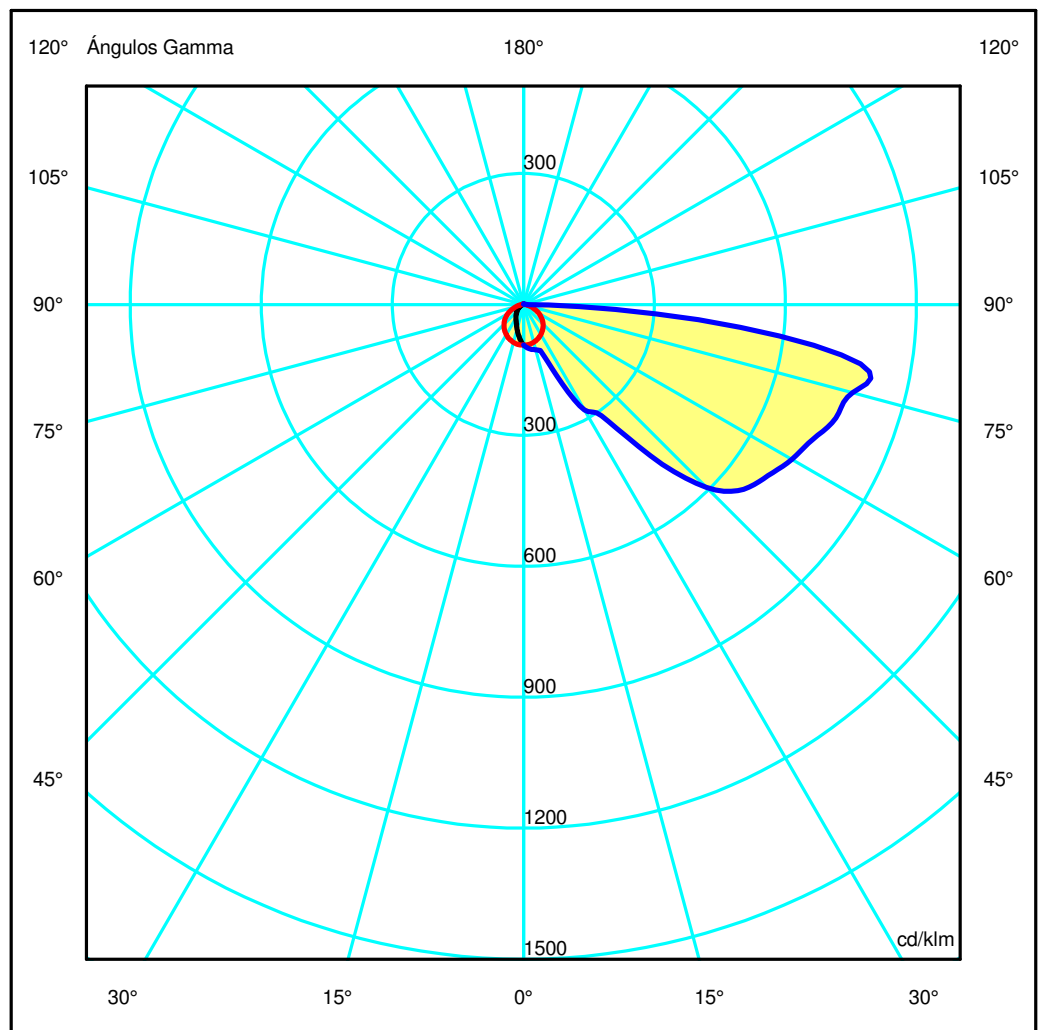
Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG Sim. en los planos 270-90	
Luminaria Rectangular		Longit.	200 mm	Anchura	200 mm	Altura	40 mm
Área Luminosa Rectangular		Longit.	110 mm	Anchura	150 mm	Altura	0 mm
Área Luminosa Horizontal			0.016500 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°			0.003992 m2
Sist. de Coorden.		CG viales		Tipo de Simetría		Sim. en los planos 270-90	
Fecha		17-10-2017		Máximo Ángulo Gamma		180	
Distancia de Ensayo		0.00		Flujo de Ensayo		295.11 lm	
Operador		Asselum T2		Tensión de alimentación [V]			
Temperatura		25.00 °C		Corriente de alimentación [A]			
Humedad		60.00 %		Fotocélula			
Notas							

## Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	05-E012-14-CM	05-E012-14-CM	295.11	7.18	1
C.I.E.	17 48 83 99 100	D DIN 5040	A11		



ULOR 0.94 %  
 DLOR 99.06 %  
 RN 0.94 %



**Luminaria**

Código 05-E012-14-CM  
 Nombre APLIQUE LEDS KÖSSEL  
**Ensayo**  
 Código CL116A17F338G  
 Nombre APLIQUE LEDS KÖSSEL

Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90

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

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	92.86	92.86	92.86	92.86	92.86	92.86	92.86	92.86	92.86	92.86	92.86	92.86	92.86
G 5.0	81.63	86.00	82.46	88.51	88.31	91.22	92.87	95.90	96.86	99.82	98.31	101.03	99.51
G 10.0	68.99	73.75	72.84	79.45	81.64	88.53	91.74	96.75	99.62	102.49	103.14	105.27	104.35
G 15.0	57.60	61.67	60.52	71.73	73.87	84.73	89.61	96.33	100.56	103.98	105.57	107.44	107.16
G 20.0	46.93	52.03	52.10	60.28	66.65	80.04	86.77	94.93	100.69	103.95	107.01	120.15	111.94
G 25.0	40.29	44.37	44.56	53.19	58.49	73.66	83.54	92.82	99.52	107.29	122.71	224.49	180.81
G 30.0	34.20	37.56	37.59	44.71	51.30	67.27	79.39	90.08	97.82	139.94	243.50	276.52	278.91
G 35.0	29.77	31.63	32.08	39.24	44.33	61.21	74.51	86.31	99.78	234.13	259.78	325.00	310.90
G 40.0	24.76	26.99	27.62	33.46	38.08	54.24	69.30	81.93	115.59	224.59	304.14	476.71	452.35
G 45.0	21.02	22.68	23.21	28.74	32.20	46.18	63.17	77.05	181.92	271.87	427.80	606.20	592.22
G 50.0	16.89	18.86	19.37	23.66	26.94	40.19	56.38	73.17	178.46	371.51	559.97	654.10	658.42
G 55.0	13.77	15.22	15.43	19.75	22.63	32.65	48.79	70.48	195.94	455.19	582.39	672.41	683.74
G 60.0	10.57	12.38	12.31	15.75	17.80	27.02	40.61	82.65	245.97	462.24	581.56	690.91	709.51
G 65.0	8.21	9.38	9.50	12.56	13.89	20.76	31.86	74.72	303.31	439.07	591.25	720.36	730.83
G 70.0	5.72	6.97	6.83	9.15	9.97	16.14	23.29	75.68	291.81	445.78	610.12	727.45	761.01
G 75.0	4.08	4.88	4.59	6.51	6.97	11.12	16.06	87.20	253.64	419.42	577.25	726.86	779.87
G 80.0	2.28	3.06	2.76	4.01	4.02	7.44	10.62	60.76	221.08	339.07	539.63	552.78	783.23
G 85.0	1.34	1.81	1.51	2.31	2.15	3.86	5.76	17.50	95.65	126.78	269.19	133.83	402.44
G 90.0	1.43	1.42	1.43	1.51	1.61	1.82	1.87	2.78	7.03	3.92	7.95	3.66	8.03
G 95.0	1.49	1.55	1.34	1.55	1.62	1.56	1.12	1.56	1.87	1.57	1.47	1.19	1.20
G100.0	1.49	1.56	1.49	1.52	1.64	1.64	1.12	1.56	1.56	1.42	1.27	1.14	1.19
G105.0	1.49	1.56	1.49	1.56	1.64	1.64	1.12	1.56	1.49	1.49	1.19	1.17	1.19
G110.0	1.49	1.56	1.49	1.56	1.64	1.62	1.12	1.49	1.42	1.34	1.19	1.19	1.04
G115.0	1.49	1.56	1.43	1.56	1.61	1.56	1.04	1.47	1.42	1.34	1.19	1.02	1.04
G120.0	1.49	1.56	1.42	1.52	1.64	1.56	1.12	1.48	1.42	1.26	1.12	1.11	1.04
G125.0	1.49	1.56	1.50	1.56	1.56	1.56	1.12	1.42	1.42	1.27	1.12	1.12	1.04
G130.0	1.49	1.56	1.42	1.56	1.55	1.56	1.12	1.42	1.42	1.18	1.12	1.12	1.04
G135.0	1.49	1.49	1.42	1.56	1.64	1.56	1.12	1.34	1.42	1.27	1.12	1.12	1.04
G140.0	1.49	1.49	1.42	1.56	1.63	1.56	1.12	1.42	1.42	1.27	1.12	1.12	1.04
G145.0	1.49	1.49	1.42	1.56	1.64	1.56	1.13	1.42	1.41	1.27	1.12	1.12	1.04
G150.0	1.49	1.42	1.49	1.56	1.64	1.56	1.19	1.47	1.36	1.27	1.12	1.12	1.04
G155.0	1.49	1.49	1.49	1.56	1.64	1.59	1.19	1.56	1.49	1.42	1.19	1.12	1.04
G160.0	1.49	1.49	1.49	1.56	1.64	1.56	1.27	1.56	1.49	1.42	1.27	1.27	1.19
G165.0	1.49	1.50	1.49	1.70	1.72	1.64	1.27	1.68	1.56	1.56	1.34	1.28	1.19
G170.0	1.49	1.56	1.56	1.71	1.79	1.64	1.32	1.71	1.64	1.56	1.42	1.42	1.34
G175.0	1.49	1.56	1.49	1.64	1.79	1.79	1.34	1.71	1.64	1.56	1.49	1.42	1.42
G180.0	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57

# LEDS C4<sup>®</sup>

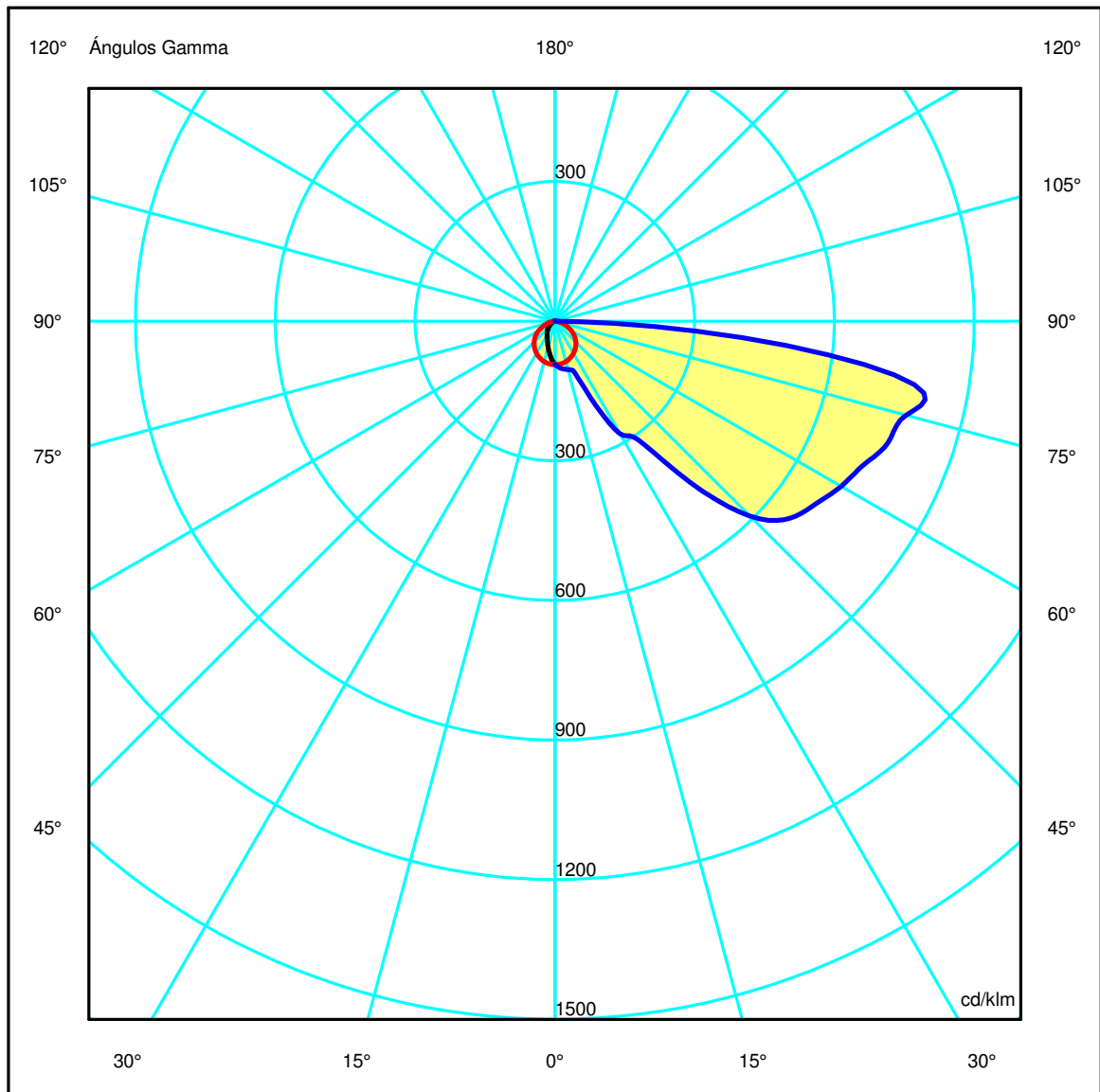
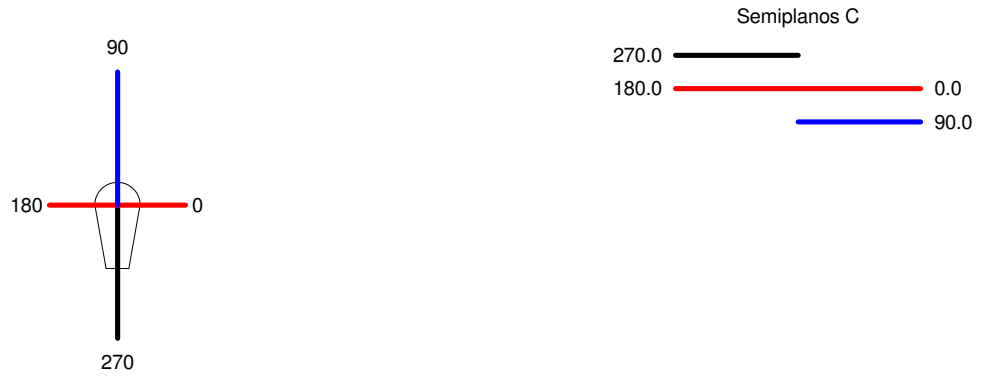
## Luminaria

Código 05-E012-14-CM  
Nombre APLIQUE LEDS KÖSSEL

## Ensayo

Código CL116A17F338G  
Nombre APLIQUE LEDS KÖSSEL

Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90



# LEDS C4<sup>®</sup>

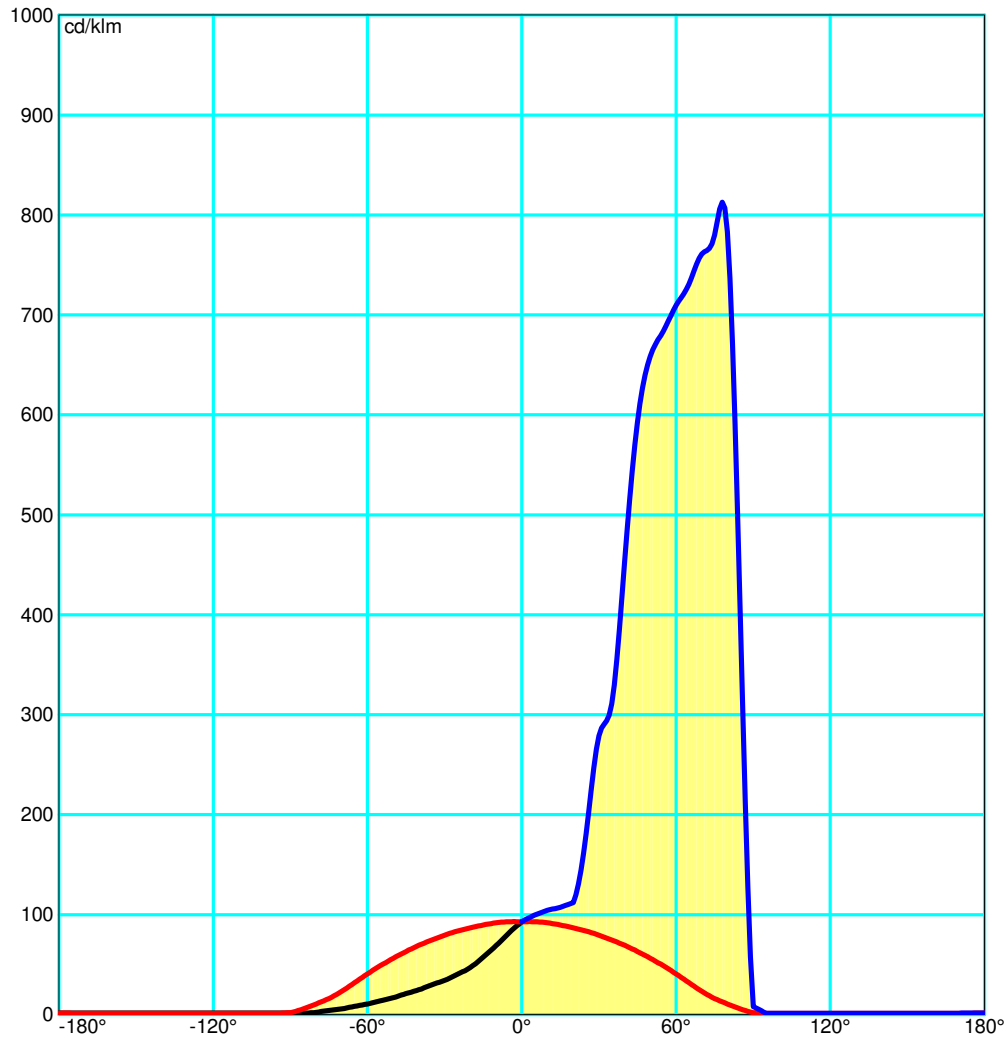
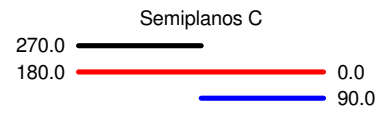
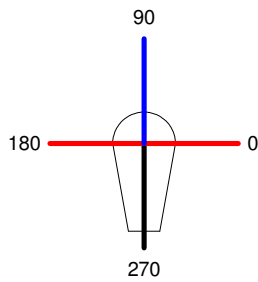
## Luminaria

Código 05-E012-14-CM  
Nombre APLIQUE LEDES KÖSSEL

## Ensayo

Código CL116A17F338G  
Nombre APLIQUE LEDES KÖSSEL

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Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90

**UGR**  
 S = 0.250

Reflectancias										
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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	15.5	17.3	15.8	17.6	17.9	1.4	3.2	1.8	3.5	3.8
x=2H y=3H	16.6	18.3	17.0	18.6	18.9	2.5	4.1	2.9	4.5	4.8
x=2H y=4H	17.1	18.6	17.4	19.0	19.3	2.9	4.5	3.3	4.8	5.2
x=2H y=6H	17.3	18.8	17.7	19.1	19.5	3.3	4.7	3.7	5.1	5.4
x=2H y=8H	17.3	18.7	17.7	19.1	19.5	3.4	4.8	3.8	5.2	5.5
x=2H y=12H	17.3	18.7	17.7	19.1	19.5	3.4	4.8	3.9	5.2	5.6
x=4H y=2H	21.2	22.8	21.5	23.1	23.4	2.4	4.0	2.8	4.3	4.7
x=4H y=3H	23.0	24.3	23.4	24.7	25.1	3.6	4.9	4.0	5.3	5.7
x=4H y=4H	23.6	24.9	24.0	25.3	25.7	4.1	5.3	4.5	5.7	6.2
x=4H y=6H	23.9	25.1	24.4	25.5	25.9	4.5	5.7	5.0	6.1	6.5
x=4H y=8H	23.9	25.0	24.4	25.4	25.9	4.7	5.8	5.2	6.2	6.6
x=4H y=12H	24.0	24.9	24.4	25.4	25.8	4.9	5.8	5.4	6.3	6.8
x=8H y=4H	27.0	28.0	27.4	28.5	28.9	4.6	5.7	5.1	6.1	6.5
x=8H y=6H	27.8	28.7	28.3	29.1	29.6	5.2	6.0	5.6	6.5	7.0
x=8H y=8H	28.0	28.8	28.5	29.3	29.8	5.4	6.2	5.9	6.7	7.2
x=8H y=12H	28.0	28.7	28.6	29.2	29.7	5.7	6.4	6.2	6.9	7.4
x=12H y=4H	27.9	28.9	28.4	29.3	29.8	4.7	5.7	5.2	6.1	6.6
x=12H y=6H	28.9	29.7	29.4	30.2	30.7	5.3	6.1	5.8	6.6	7.1
x=12H y=8H	29.2	29.9	29.8	30.4	30.9	5.6	6.3	6.1	6.8	7.3

## Luminaria

Código 05-E012-14-CM  
 Nombre APLIQUE LEDES KÖSSEL  
**Ensayo**  
 Código CL116A17F338G  
 Nombre APLIQUE LEDES KÖSSEL

Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90

Flujo Total=295.11 Flujo Luminaria=295.11

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	0.10	0.17	0.23	0.29	0.35	0.45	0.53	0.59	0.67	0.72	0.85	0.92
RC	10	10	10	10	9	9	9	9	8	8	8	7

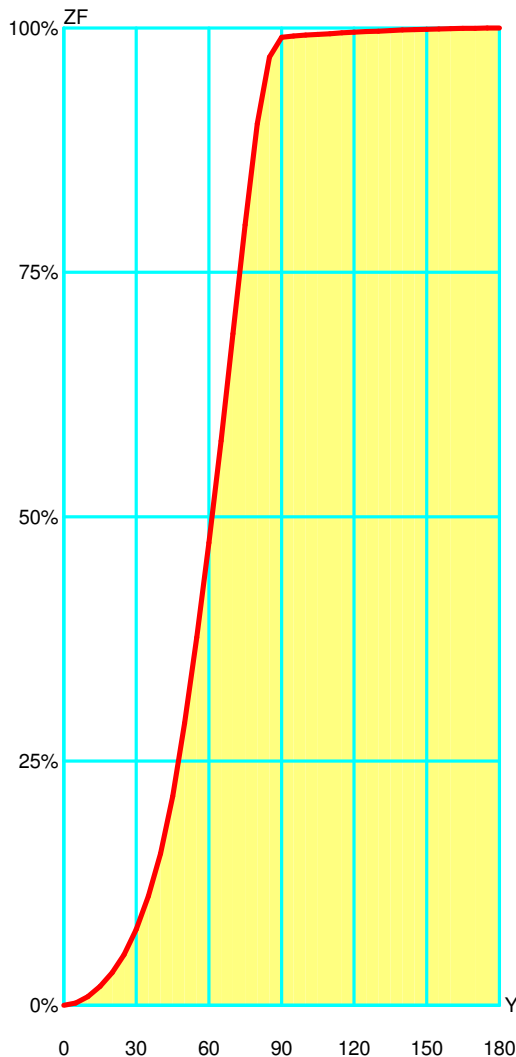
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	9	33	77	155	289	473	687	902	991	993	994	996	997	998	999	999	1000	1000

Códigos de Flujo C.I.E.

17 48 83 99 100

C.I.E.	10/10/10/10/9/9/9/8/8/8/7	LOR	100.00000 %
D DIN 5040	A11	ULOR	0.93593 %
F UTE	0.99 J + 0.01 T	DLOR	99.06407 %
B NBN	BZ 9 / 1.5 / BZ 8 / 3 / BZ 7	UFF	0.93593 %
RN	0.93593 %	DFF	99.06407 %
BLF	1.0	FFR	0.94477 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.22	2.22	0.22 %	0.22 %
10°	6.54	8.76	0.65 %	0.88 %
15°	10.48	19.24	1.05 %	1.92 %
20°	14.03	33.27	1.40 %	3.33 %
25°	18.52	51.79	1.85 %	5.18 %
30°	25.70	77.49	2.57 %	7.75 %
35°	34.12	111.61	3.41 %	11.16 %
40°	43.79	155.40	4.38 %	15.54 %
45°	58.31	213.71	5.83 %	21.37 %
50°	74.90	288.61	7.49 %	28.86 %
55°	87.70	376.30	8.77 %	37.63 %
60°	96.87	473.17	9.69 %	47.32 %
65°	104.24	577.41	10.42 %	57.74 %
70°	109.78	687.19	10.98 %	68.72 %
75°	111.37	798.56	11.14 %	79.86 %
80°	103.56	902.12	10.36 %	90.21 %
85°	67.94	970.06	6.79 %	97.01 %
90°	20.58	990.64	2.06 %	99.06 %
95°	1.31	991.95	0.13 %	99.20 %
100°	0.79	992.75	0.08 %	99.27 %
105°	0.77	993.52	0.08 %	99.35 %
110°	0.74	994.26	0.07 %	99.43 %
115°	0.70	994.96	0.07 %	99.50 %
120°	0.67	995.63	0.07 %	99.56 %
125°	0.63	996.27	0.06 %	99.63 %
130°	0.59	996.86	0.06 %	99.69 %
135°	0.55	997.41	0.05 %	99.74 %
140°	0.50	997.91	0.05 %	99.79 %
145°	0.46	998.37	0.05 %	99.84 %
150°	0.40	998.77	0.04 %	99.88 %
155°	0.35	999.12	0.04 %	99.91 %
160°	0.30	999.42	0.03 %	99.94 %
165°	0.24	999.67	0.02 %	99.97 %
170°	0.18	999.85	0.02 %	99.99 %
175°	0.11	999.96	0.01 %	100.00 %
180°	0.04	1000.00	0.00 %	100.00 %

**Luminaria**

Código 05-E012-14-CM  
 Nombre APLIQUE LEDES KÖSSEL  
**Ensayo**  
 Código CL116A17F338G  
 Nombre APLIQUE LEDES KÖSSEL

Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG Sim. en los planos 270-90	

## 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	250	225	216	195	214	186	125	107	110	94	60	45	23	16	88	48	42	19	15	40	16	14	4				
0.80	292	268	238	220	255	210	156	137	130	114	72	57	29	21	107	60	54	24	20	51	21	18	4				
1.00	320	297	248	232	283	222	180	161	141	127	81	67	34	26	119	69	63	29	25	60	26	23	5				
1.25	342	322	250	237	307	228	204	185	149	137	89	75	40	32	128	77	72	35	31	68	31	28	5				
1.50	357	339	248	237	323	228	223	205	153	142	94	82	45	37	134	83	78	40	36	74	36	33	6				
2.00	374	360	236	229	343	221	250	234	155	146	100	90	54	47	139	91	86	49	45	83	45	42	6				
2.50	383	371	225	219	354	212	270	256	154	147	104	96	61	54	140	95	92	56	52	88	52	49	7				
3.00	389	378	214	210	362	204	285	272	152	146	107	99	67	60	139	99	95	62	58	92	58	55	7				
4.00	395	387	198	195	370	190	305	294	148	143	110	104	76	70	137	103	100	71	68	97	67	64	7				
5.00	398	392	186	184	375	180	319	310	144	141	112	107	82	76	135	105	103	77	74	100	74	70	8				
10.00	402	399	156	155	383	153	351	345	133	132	114	112	97	93	128	110	109	93	91	106	90	87	9				
20.00	403	401	138	138	386	136	368	365	125	125	116	114	106	104	121	112	111	103	102	109	100	97	9				

## 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	556	542	512	501	535	496	421	413	400	393	335	330	289	286	389	330	328	287	286	327	286	285	266
0.80	651	636	589	579	625	571	509	499	476	469	409	402	358	355	463	402	400	356	354	398	354	353	331
1.00	723	709	646	636	695	627	580	569	536	528	468	461	415	411	521	460	457	412	410	454	410	408	383
1.25	793	779	698	689	762	679	651	639	593	586	527	519	474	469	577	518	515	470	468	511	467	465	437
1.50	845	832	735	728	814	717	707	695	637	630	573	566	520	516	620	563	560	516	514	556	513	510	480
2.00	916	905	782	777	883	766	786	775	696	690	638	631	588	583	678	627	624	583	580	618	578	575	541
2.50	962	953	811	807	929	796	841	831	734	729	681	675	636	631	716	670	668	629	627	661	624	619	583
3.00	995	987	831	827	961	817	882	872	762	757	713	708	671	666	744	702	699	664	662	692	658	653	614
4.00	1000	1000	857	854	1000	844	939	930	798	795	758	753	721	717	781	746	744	713	711	735	706	700	657
5.00	1000	1000	874	871	1000	861	977	969	823	820	788	784	755	751	806	775	773	746	744	764	739	731	687
10.00	1000	1000	902	901	1000	892	1000	1000	870	868	848	846	828	825	854	835	834	817	816	823	808	798	749
20.00	1000	1000	899	899	1000	891	1000	1000	879	878	867	865	855	853	864	854	853	843	842	841	832	821	769

## 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	444	430	414	403	420	395	283	274	272	265	189	183	129	126	260	183	181	127	126	179	126	125	103
0.80	544	527	501	488	513	478	369	358	352	343	262	255	195	191	335	254	251	192	190	248	190	188	164
1.00	626	609	570	558	590	545	446	432	421	412	329	320	258	253	401	319	315	254	252	311	251	249	224
1.25	709	692	639	628	669	612	528	513	494	484	403	393	329	324	470	390	386	324	321	380	320	317	292
1.50	775	759	693	682	733	666	596	582	554	544	465	455	392	386	528	450	446	385	382	439	380	376	351
2.00	876	861	771	763	830	745	706	691	647	638	565	555	496	489	619	548	544	487	483	534	480	474	450
2.50	945	932	825	818	898	800	786	771	713	705	638	629	574	567	684	620	616	564	560	604	555	547	525
3.00	996	984	863	857	947	839	846	832	762	755	694	685	634	627	732	674	671	622	618	657	612	603	582
4.00	1000	1000	913	909	1000	891	930	918	828	823	771	763	719	712	799	750	747	705	701	731	693	682	662
5.00	1000	1000	945	942	1000	924	985	975	871	866	821	815	776	770	842	800	797	761	757	780	747	734	716
10.00	1000	1000	1000	1000	1000	996	1000	1000	966	963	937	934	910	906	938	914	912	891	888	893	873	856	841
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	988	986	992	979	979	967	965	957	946	927	914

LM53 SHR C0-C180: 1.262 SHR C90-C270: 4.600 SHR Superficial: 2.940



# LEDS C4<sup>+</sup>

## Luminaria

Código 05-E012-14-CM  
 Nombre APLIQUE LEDES KÖSSEL  
**Ensayo**  
 Código CL116A17F338G  
 Nombre APLIQUE LEDES KÖSSEL

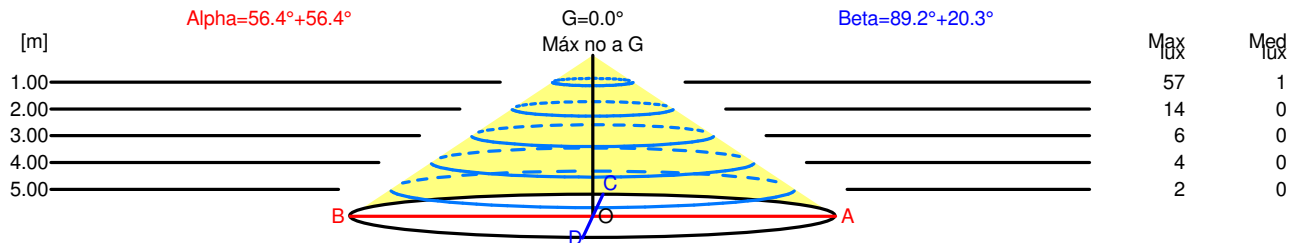
Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90

### 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	1.51	3.02	4.52	6.03	7.54	OC	73.91	147.83	221.74	295.66	369.57
OB	1.51	3.02	4.52	6.03	7.54	OD	0.37	0.74	1.11	1.48	1.85

### Intensidades Luminosas [ cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	27.40	27.41	26.45	24.65	21.99	18.64	14.40	9.40	4.74	1.70
OB	27.40	27.41	26.45	24.65	21.99	18.64	14.40	9.40	4.74	1.70
OC	27.40	29.37	31.63	53.36	91.75	174.77	201.78	215.67	230.15	118.76
OD	27.40	24.09	17.00	11.89	8.79	6.20	4.06	2.42	1.21	0.40



H[m]	D[m]	Max lux	Med lux	Alpha=56.4°+56.4°	G=0.0 Máx no a G	
1.00	3.02	57	1			
2.00	6.03	14	0			
3.00	9.05	6	0			
4.00	12.06	4	0			
5.00	15.08	2	0			

H[m]	D[m]	Max lux	Med lux	Beta=20.3°+89.2°	G=0.0 Máx no a G	
1.00	74.28	57	1			
2.00	148.57	14	0			
3.00	222.85	6	0			
4.00	297.14	4	0			
5.00	371.42	2	0			

**Luminaria**

Código 05-E012-14-CM  
 Nombre APLIQUE LEDES KÖSSEL

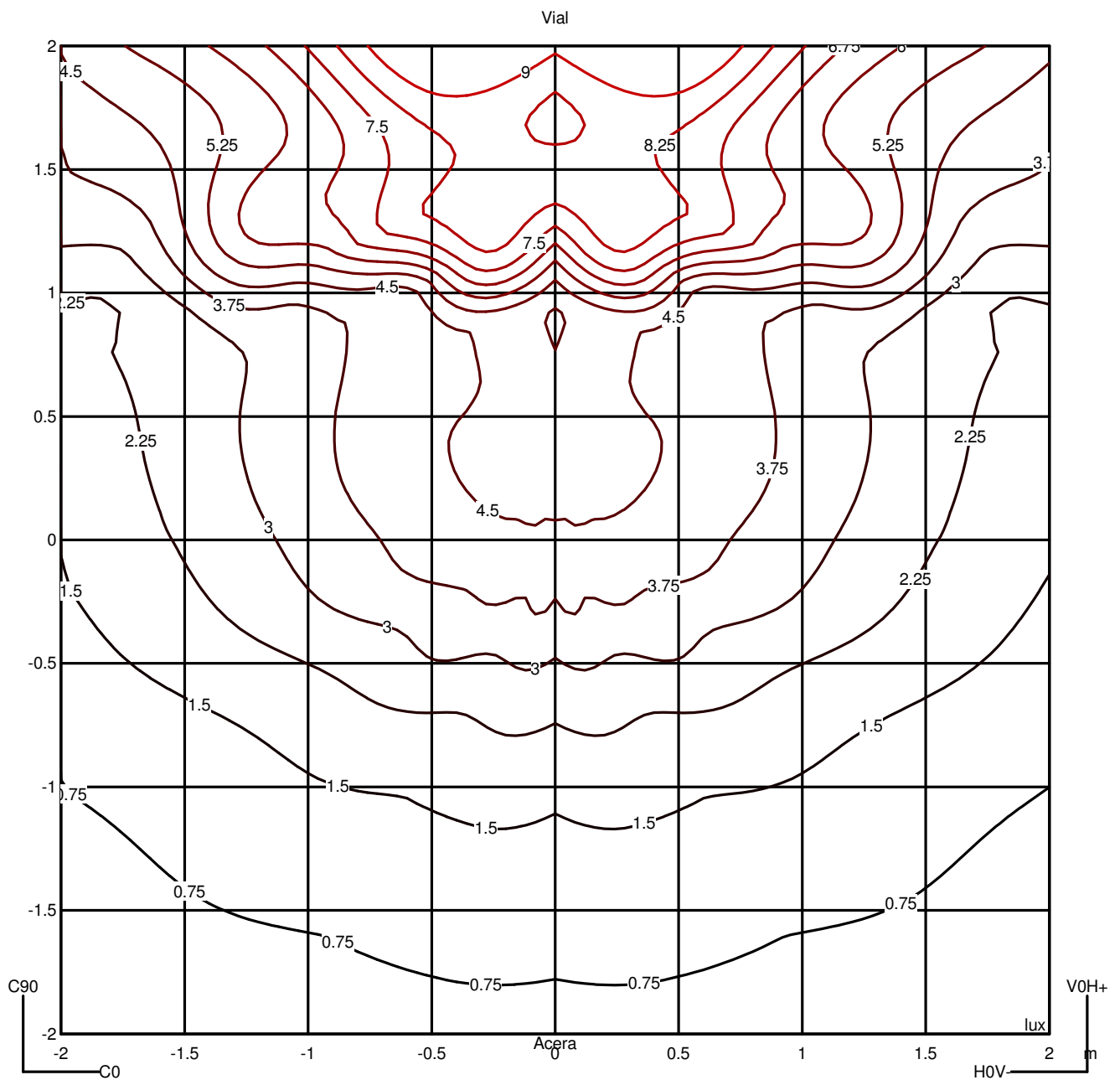
**Ensayo**

Código CL116A17F338G  
 Nombre APLIQUE LEDES KÖSSEL

Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90

Isolux (Suelo)

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



# LEDS C4<sup>®</sup>

## Luminaria

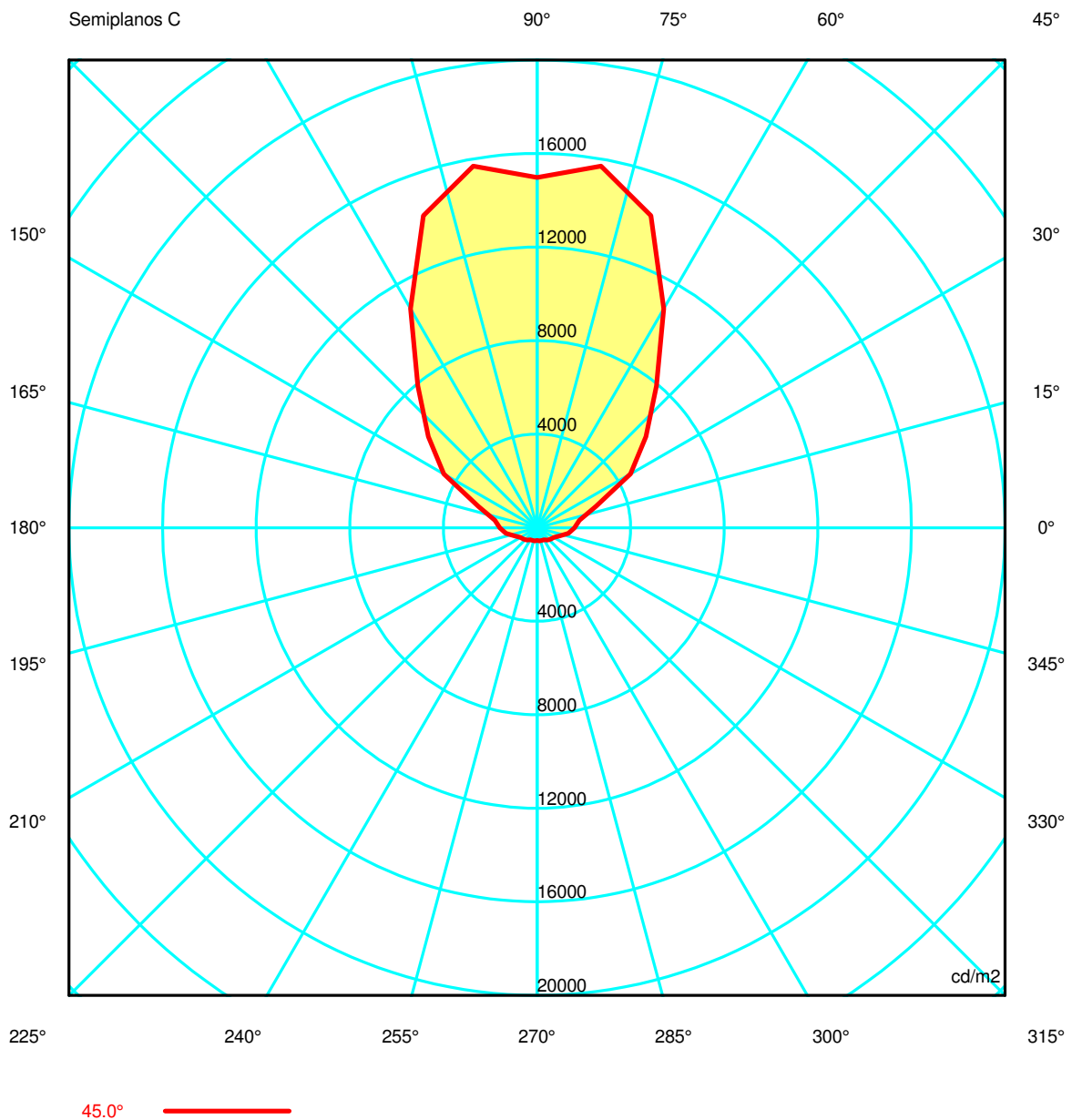
Código 05-E012-14-CM  
Nombre APLIQUE LEDES KÖSSEL

## Ensayo

Código CL116A17F338G  
Nombre APLIQUE LEDES KÖSSEL

Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90

Luminancia



**Luminaria**

Código 05-E012-14-CM  
 Nombre APLIQUE LEDES KÖSSEL  
**Ensayo**  
 Código CL116A17F338G  
 Nombre APLIQUE LEDES KÖSSEL

Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90

**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	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80
G 5.0	1667.40	1706.09	1727.90	1739.02	1780.47	1785.48	1764.99	1797.65	1815.06	1786.58	1815.06	1797.65	1764.99
G 10.0	1666.21	1727.07	1778.38	1809.32	1847.53	1866.75	1873.16	1901.05	1912.84	1895.08	1912.84	1901.05	1873.16
G 15.0	1659.31	1741.39	1815.69	1862.08	1907.30	1937.26	1954.83	1980.12	1992.01	1984.29	1992.01	1980.12	1954.83
G 20.0	1651.46	1754.26	1850.35	1916.39	1966.34	1980.90	2036.75	2224.06	2280.21	2130.61	2280.21	2224.06	2036.75
G 25.0	1648.53	1776.54	1872.07	1963.94	2066.17	2218.73	2421.63	3886.97	4472.00	3568.13	4472.00	3886.97	2421.63
G 30.0	1639.65	1797.76	1903.15	2020.29	2423.27	3586.23	5028.78	5634.84	5743.66	5760.16	5743.66	5634.84	5028.78
G 35.0	1626.78	1798.64	1982.62	2178.70	4212.90	5484.07	5672.08	6657.61	7210.18	6788.23	7210.18	6657.61	5672.08
G 40.0	1617.97	1824.09	2008.95	2698.77	4434.95	5769.17	7100.96	10000.99	11462.72	10561.44	11462.72	10000.99	7100.96
G 45.0	1597.74	1831.79	2677.54	4601.35	6075.02	7927.54	10820.59	14205.42	15699.52	14979.60	15699.52	14205.42	10820.59
G 50.0	1568.78	1725.05	2673.38	4965.70	8411.17	12249.27	15581.18	17666.21	18240.32	18320.29	18240.32	17666.21	15581.18
G 55.0	1521.42	1810.43	2935.30	6109.84	11644.16	15967.86	18160.39	20212.41	21085.14	21320.62	21085.14	20212.41	18160.39
G 60.0	1452.69	2098.33	4399.30	8798.54	14211.77	18241.46	20802.95	23626.91	24936.32	25379.85	24936.32	23626.91	20802.95
G 65.0	1348.26	2557.47	5989.02	12836.07	16952.31	20520.51	25022.19	29149.11	30633.67	30929.12	30633.67	29149.11	25022.19
G 70.0	1218.03	2111.26	7257.68	15259.74	20857.05	26086.38	31905.47	36512.26	38981.12	39795.82	38981.12	36512.26	31905.47
G 75.0	1110.10	3577.32	9399.06	17527.29	25319.88	32569.71	39890.33	47334.02	52098.52	53892.42	52098.52	47334.02	39890.33
G 80.0	1093.55	3117.09	11397.62	22770.51	30002.53	42344.80	55580.53	56031.14	62039.41	80671.60	62039.41	56031.14	55580.53
G 85.0	1181.55	2788.05	9051.20	19629.21	20978.27	37940.34	55240.42	34006.79	35906.70	82584.77	35906.70	34006.79	55240.42
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 05-E012-14-CM  
 Nombre APLIQUE LEDES KÖSSEL  
**Ensayo**  
 Código CL116A17F338G  
 Nombre APLIQUE LEDES KÖSSEL

Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90

**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	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80
G 5.0	1785.48	1780.47	1739.02	1727.90	1706.09	1667.40	1649.58	1617.37	1585.43	1587.89	1552.09	1480.54	1521.79
G 10.0	1866.75	1847.53	1809.32	1778.38	1727.07	1666.21	1633.14	1566.01	1482.61	1460.45	1402.83	1322.81	1332.27
G 15.0	1937.26	1907.30	1862.08	1815.69	1741.39	1659.31	1610.70	1499.35	1367.80	1350.06	1263.14	1120.63	1134.77
G 20.0	1980.90	1966.34	1916.39	1850.35	1754.26	1651.46	1578.08	1441.07	1268.49	1184.89	1092.09	991.68	990.77
G 25.0	2218.73	2066.17	1963.94	1872.07	1776.54	1648.53	1531.77	1350.12	1154.23	1081.42	992.97	879.45	876.85
G 30.0	3586.23	2423.27	2020.29	1903.15	1797.76	1639.65	1483.77	1274.40	1059.52	961.02	870.84	776.39	775.93
G 35.0	5484.07	4212.90	2178.70	1982.62	1798.64	1626.78	1434.71	1208.65	967.89	884.41	806.36	700.53	693.93
G 40.0	5769.17	4434.95	2698.77	2008.95	1824.09	1617.97	1394.07	1125.81	888.98	806.86	736.96	644.93	635.14
G 45.0	7927.54	6075.02	4601.35	2677.54	1831.79	1597.74	1353.82	1010.56	814.43	752.50	681.48	587.17	578.21
G 50.0	12249.27	8411.17	4965.70	2673.38	1725.05	1568.78	1295.16	961.02	749.48	680.97	619.25	538.89	529.45
G 55.0	15967.86	11644.16	6109.84	2935.30	1810.43	1521.42	1193.45	876.80	705.55	644.25	570.45	481.29	476.92
G 60.0	18241.46	14211.77	8798.54	4399.30	2098.33	1452.69	1118.37	828.86	636.56	582.55	523.40	440.46	438.15
G 65.0	20520.51	16952.31	12836.07	5989.02	2557.47	1348.26	1035.21	728.03	588.00	553.10	489.23	402.14	398.77
G 70.0	26086.38	20857.05	15259.74	7257.68	2111.26	1218.03	981.72	710.55	521.49	488.33	442.16	357.39	358.12
G 75.0	32569.71	25319.88	17527.29	9399.06	3577.32	1110.10	882.50	673.07	481.83	460.70	414.70	317.49	324.20
G 80.0	42344.80	30002.53	22770.51	11397.62	3117.09	1093.55	818.49	654.77	413.60	413.41	380.39	283.85	299.86
G 85.0	37940.34	20978.27	19629.21	9051.20	2788.05	1181.55	922.04	574.84	440.61	476.18	423.47	310.00	346.58
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

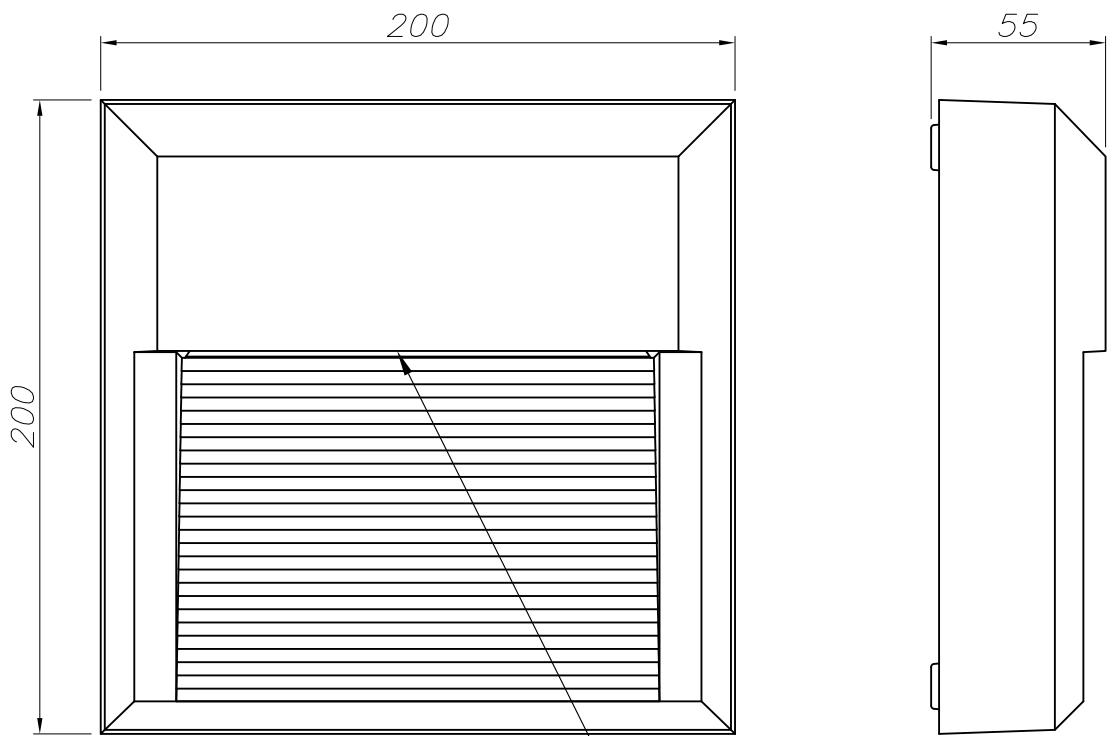
**Luminaria**

Código 05-E012-14-CM  
 Nombre APLIQUE LEDS KÖSSEL  
**Ensayo**  
 Código CL116A17F338G  
 Nombre APLIQUE LEDS KÖSSEL

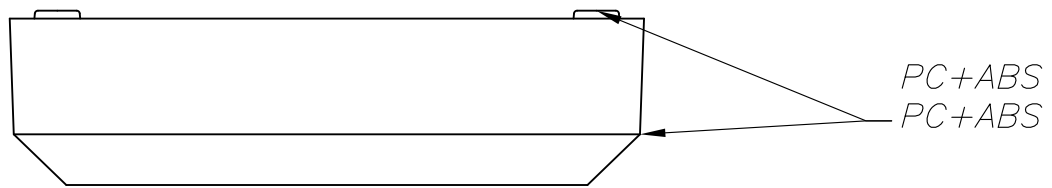
Flujo Luminaria	295.11 lm	Potencia luminaria	7.18 W	Eficacia	41.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	295.11 lm	Valor Máximo	783.23 cd/klm	Posición	C=90.00 G=80.00	CG	Sim. en los planos 270-90

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

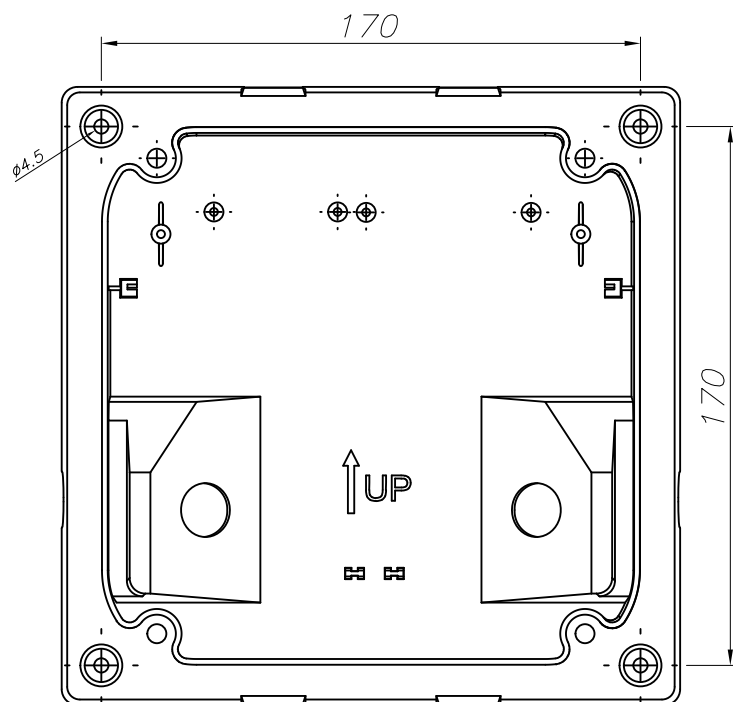
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80	1660.80
G 5.0	1537.39	1465.49	1537.39	1521.79	1480.54	1552.09	1587.89	1585.43	1617.37	1649.58
G 10.0	1325.30	1252.94	1325.30	1332.27	1322.81	1402.83	1460.45	1482.61	1566.01	1633.14
G 15.0	1133.98	1066.61	1133.98	1134.77	1120.63	1263.14	1350.06	1367.80	1499.35	1610.70
G 20.0	972.13	893.26	972.13	990.77	991.68	1092.09	1184.89	1268.49	1441.07	1578.08
G 25.0	861.64	795.09	861.64	876.85	879.45	992.97	1081.42	1154.23	1350.12	1531.77
G 30.0	763.75	706.23	763.75	775.93	776.39	870.84	961.02	1059.52	1274.40	1483.77
G 35.0	684.92	650.08	684.92	693.93	700.53	806.36	884.41	967.89	1208.65	1434.71
G 40.0	620.54	578.08	620.54	635.14	644.93	736.96	806.86	888.98	1125.81	1394.07
G 45.0	566.66	531.71	566.66	578.21	587.17	681.48	752.50	814.43	1010.56	1353.82
G 50.0	513.96	470.10	513.96	529.45	538.89	619.25	680.97	749.48	961.02	1295.16
G 55.0	467.48	429.35	467.48	476.92	481.29	570.45	644.25	705.55	876.80	1193.45
G 60.0	431.95	378.26	431.95	438.15	440.46	523.40	582.55	636.56	828.86	1118.37
G 65.0	389.02	347.57	389.02	398.77	402.14	489.23	553.10	588.00	728.03	1035.21
G 70.0	354.45	298.92	354.45	358.12	357.39	442.16	488.33	521.49	710.55	981.72
G 75.0	332.02	282.20	332.02	324.20	317.49	414.70	460.70	481.83	673.07	882.50
G 80.0	305.31	235.19	305.31	299.86	283.85	380.39	413.41	413.60	654.77	818.49
G 85.0	362.79	275.13	362.79	346.58	310.00	423.47	476.18	440.61	574.84	922.04
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



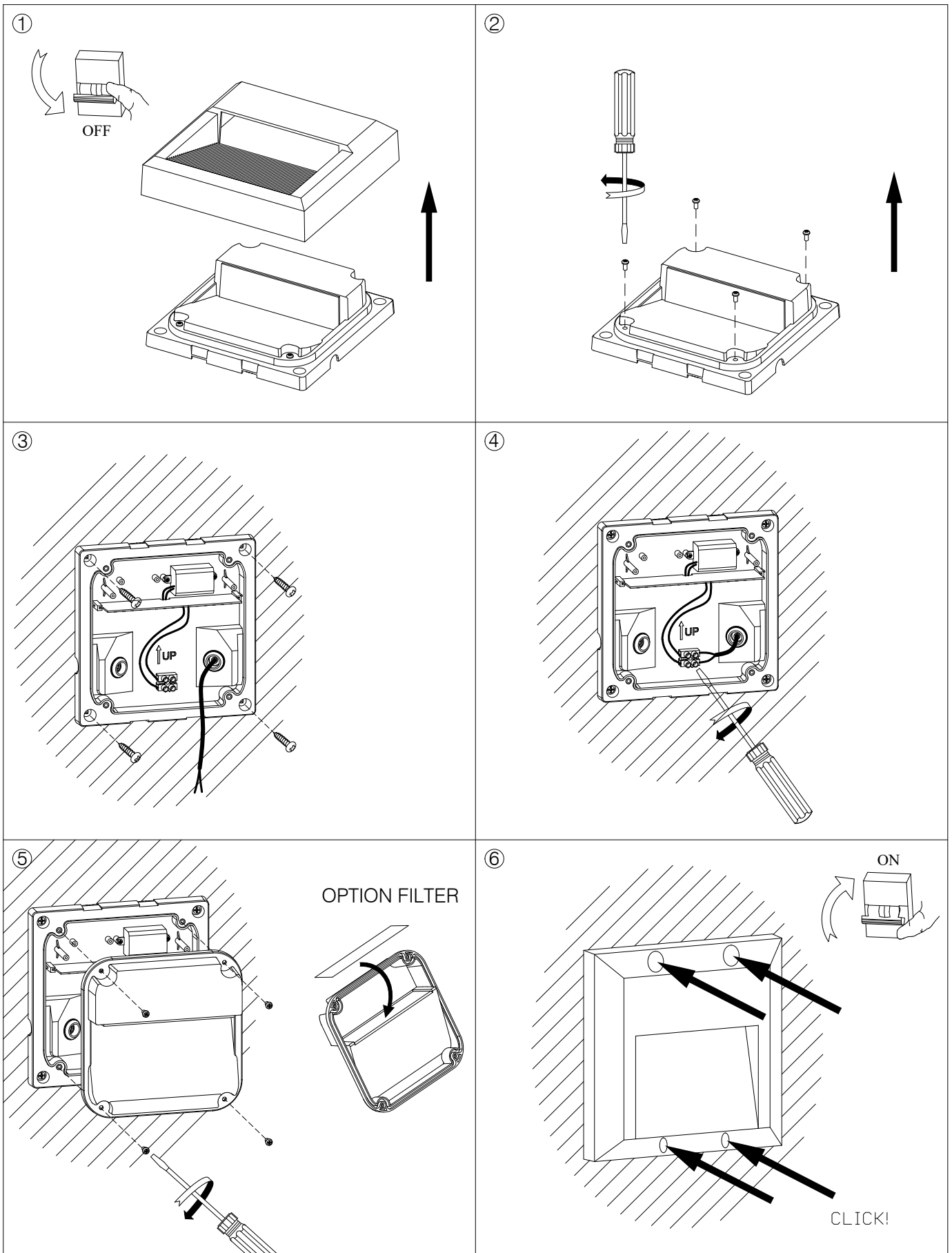
PC TRANSPARENTE  
TRANSPARENT PC



PC+ABS  
PC+ABS



PLANTILLA DE INSTALACIÓN  
INSTALLATION TEMPLATE





## KÖSSEL Indirect

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05-E012-14-CM

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### Wall light

For frontal lighting and downlighting. Includes filters to emulate warm light. Specially designed to conceal all mounting screws. Includes easily interchangeable decorative front panels in various finishes. Suitable for installation in marine environments. Includes 2 cable outlets to facilitate chain mounting. Structure material: Polycarbonate + ABS. Structure finish: White. Blades finishes: NA. Diffuser material: Polycarbonate. Diffuser finish: Transparent. UV protection. Warranty: 5 Years.

Product net weight (Kg): 0.500

Product width or diameter (mm): 200

Product height (mm): 200

Product aperture (mm): 55

Class 2. IP: IP65. IK: IK10. LED. No. of lampholders or LEDs: 18. LED brand: EDISON. Driver brand: EAGLERISE. Maximum power of light source: 6.4W. Colour temperature: LED neutral-white 4000K. Colour rendering index: 80. MacAdam Steps: 3. Hours of life: 50.000h L80B20. UGR: 1.4. Photobiological risk: RG0. % de Flickering: 28.1%. Real flux (lm): 295. Nominal flux (lm): 825. Lm/Real W: 42. Voltage and frequency range: 100-240 VAC. Voltage: 3 V. Gear included: Yes, electronic. Total power: 7 W. Power factor: 0.87.

