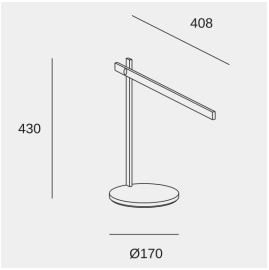
Touch

DE-0477-BLA

Flexo Touch LED 6.4W TW 3000K-6500K ON-OFF Blanco 382lm





CARACTERÍSTICAS TÉCNICAS

IP20 90º 90 º

Potencia total luminaria : 6.4W

Lúmenes reales : 382

Lúmenes nominales : 680

Lm / W reales : 60

Material de la estructura : Aluminio

Acabado estructura : Blanco

Material del difusor : Policarbonato

Acabado difusor : Matizado

Voltaje / Frecuencia : 100-240V ~ 50/60Hz

Protocolo de regulación : ON-OFF

Power Factor : 0.50

Vida útil : 36.000h L70B30

Garantía : 2 Años

Luminaria fácilmente reciclable

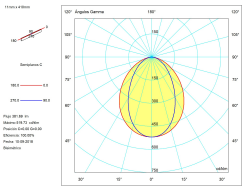
CARACTERÍSTICAS LUMINOTÉCNICAS

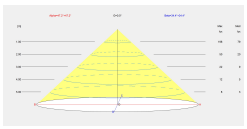
CRI: 80

MacAdam steps: 3

Riesgo fotobiológico: RG0

Portalámparas	Cantidad	Potencia fuente de luz (W)	Temperatura de color correlacionada (CCT)
LED	1	5W	TW 3000K-6500K





LOGÍSTICA

Peso neto (Kg): 0.86

Peso embalado (Kg): 1.2

6 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 DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminaria Rectangular	Longit.	410 mm	Anchura	11 mm	Altura	24 mm
Área Luminosa Rectangular	Longit.	265 mm	Anchura	8 mm	Altura	0 mm

Área Luminosa Horizontal	0.002120 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°	0.000513 m2

Sist. de Coorden.	CG	Tipo de Simetría	Bisimétrico
Fecha	10-09-2018	Máximo Ángulo Gamma	90
Distancia de Ensayo	0.00	Flujo de Ensayo	381.69 lm

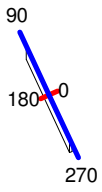
Operador	qualitat	Tensión de alimentación [V]	
Temperatura	25.00 °C	Corriente de alimentación [A]	
Humedad	60.00 %	Fotocélula	
Notas			

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	DE-0477-BLA	DE-0477-BLA	381.69	6.40	1

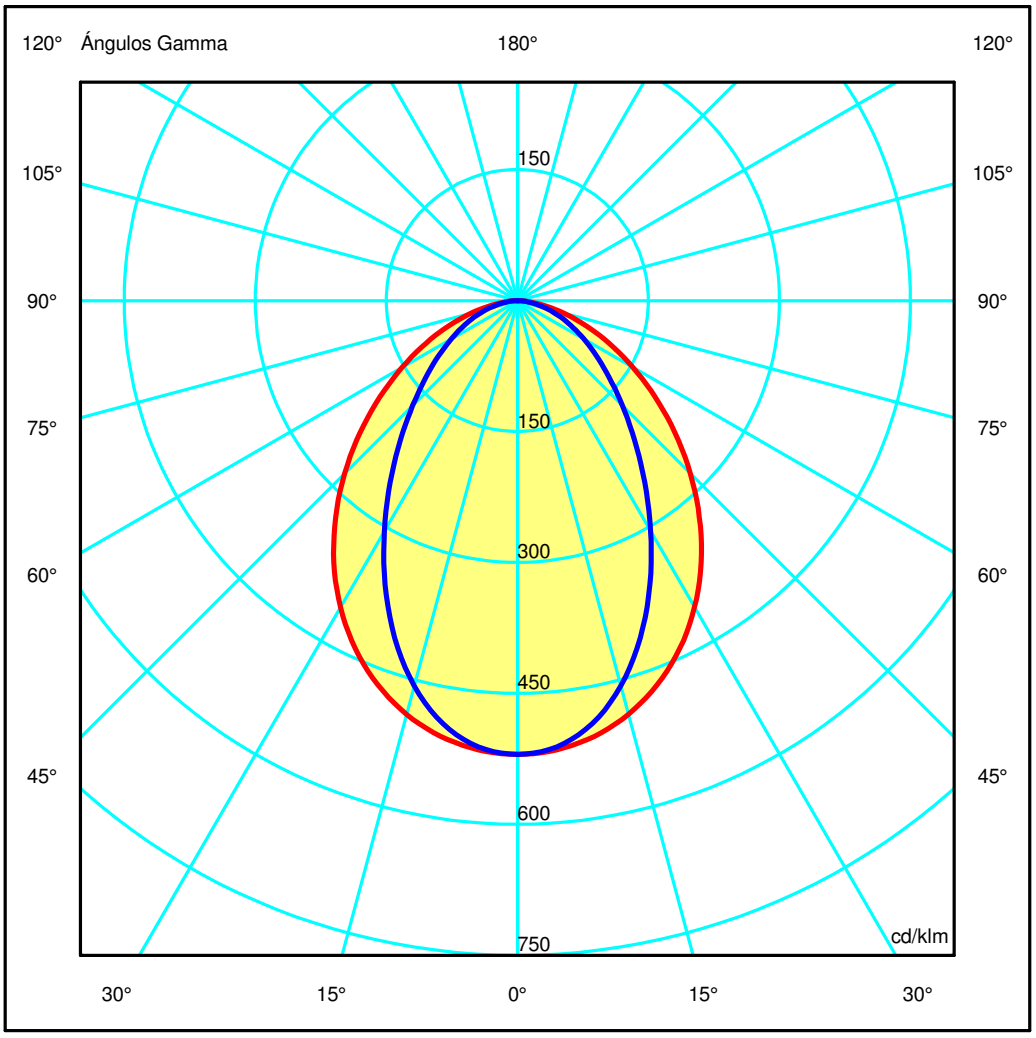
C.I.E.	58 86 97 100 100	D DIN 5040	A40
F UTE	1.00 D	B NBN	BZ 3

410mm x 11mm



Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Tabla de Intensidad Luminosa cd/klm **Tabla 1/2**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	519.73	519.73	519.73	519.73	519.73	519.73	519.73
G 1.0	519.50	519.60	519.66	519.65	519.66	519.65	519.45
G 2.0	519.12	519.24	519.32	519.23	519.20	519.13	518.56
G 3.0	518.41	518.57	518.60	518.48	518.25	518.05	517.37
G 4.0	517.59	517.71	517.59	517.26	516.80	516.31	515.60
G 5.0	516.45	516.51	516.22	515.49	514.58	513.92	513.09
G 6.0	514.88	515.08	514.54	513.27	511.91	510.81	509.98
G 7.0	513.23	513.25	512.42	510.54	508.63	507.36	506.24
G 8.0	511.30	511.30	510.05	507.63	504.96	503.18	502.17
G 9.0	509.09	508.95	507.18	504.08	500.75	498.43	497.39
G 10.0	506.74	506.39	504.01	500.04	495.98	493.20	491.90
G 11.0	503.87	503.63	500.53	495.69	490.84	487.37	486.02
G 12.0	500.97	500.57	496.54	490.90	485.29	481.03	479.48
G 13.0	497.77	497.04	492.42	485.79	479.19	474.19	472.46
G 14.0	494.32	493.34	487.87	480.01	472.51	466.76	464.88
G 15.0	490.44	489.28	483.03	474.03	465.50	459.10	456.77
G 16.0	486.41	484.94	477.87	467.68	458.14	450.93	448.38
G 17.0	482.20	480.45	472.48	461.01	450.39	442.34	439.67
G 18.0	477.75	475.53	466.70	454.01	442.19	433.48	430.39
G 19.0	473.04	470.42	460.71	446.72	433.79	424.22	420.91
G 20.0	468.09	465.15	454.42	439.31	425.02	414.74	411.05
G 21.0	462.88	459.47	447.69	431.28	415.84	404.82	400.76
G 22.0	457.27	453.59	440.83	423.18	406.55	394.93	390.60
G 23.0	451.62	447.46	433.59	414.84	396.99	384.60	379.97
G 24.0	445.80	441.16	426.17	406.27	387.30	374.19	369.37
G 25.0	439.56	434.55	418.59	397.12	377.35	363.63	358.62
G 26.0	433.24	427.68	410.72	388.12	367.33	353.07	347.90
G 27.0	426.51	420.71	402.63	378.89	357.20	342.44	337.10
G 28.0	419.74	413.44	394.35	369.45	346.98	331.79	326.17
G 29.0	412.56	406.00	385.94	360.05	336.72	321.18	315.43
G 30.0	405.39	398.37	377.36	350.60	326.51	310.62	304.80
G 31.0	397.94	390.55	368.71	341.12	316.36	300.19	294.31
G 32.0	390.31	382.61	359.79	331.45	306.21	289.86	283.97
G 33.0	382.59	374.44	350.87	321.85	296.23	279.77	273.76
G 34.0	374.57	366.10	341.82	312.18	286.27	269.72	263.68
G 35.0	366.46	357.60	332.50	302.58	276.45	259.91	253.92
G 36.0	358.17	349.03	323.40	293.07	266.80	250.30	244.33
G 37.0	349.74	340.28	314.19	283.60	257.35	240.93	235.01
G 38.0	341.24	331.51	304.93	274.25	248.07	231.79	225.89
G 39.0	332.70	322.72	295.73	264.99	238.97	222.89	217.09
G 40.0	323.90	313.82	286.58	255.92	230.11	214.24	208.49
G 41.0	315.20	304.87	277.48	246.92	221.44	205.81	200.19
G 42.0	306.40	295.86	268.45	238.07	212.99	197.62	192.14
G 43.0	297.44	286.86	259.45	229.41	204.71	189.72	184.34
G 44.0	288.54	277.86	250.58	220.93	196.75	182.12	176.87
G 45.0	279.69	268.88	241.88	212.60	188.95	174.69	169.66
G 46.0	270.66	259.94	233.25	204.50	181.45	167.56	162.61
G 47.0	261.77	251.05	224.69	196.58	174.12	160.70	155.91
G 48.0	252.90	242.16	216.26	188.84	167.03	154.03	149.47
G 49.0	243.94	233.34	207.98	181.23	160.11	147.61	143.21
G 50.0	235.10	224.71	199.82	173.92	153.48	141.43	137.17
G 51.0	226.50	216.10	191.83	166.73	147.09	135.48	131.42
G 52.0	217.77	207.60	184.01	159.77	140.84	129.72	125.83
G 53.0	209.15	199.27	176.34	153.01	134.80	124.18	120.47
G 54.0	200.69	190.95	168.82	146.45	128.99	118.80	115.25
G 55.0	192.33	182.85	161.53	140.05	123.32	113.60	110.19
G 56.0	183.95	174.77	154.35	133.75	117.81	108.53	105.27
G 57.0	175.75	166.97	147.38	127.73	112.49	103.64	100.58
G 58.0	167.76	159.26	140.58	121.83	107.30	98.92	96.03
G 59.0	159.90	151.76	133.94	116.08	102.29	94.33	91.54
G 60.0	152.16	144.44	127.48	110.49	97.42	89.81	87.23
G 61.0	144.58	137.21	121.12	105.02	92.64	85.49	83.04
G 62.0	137.17	130.16	114.98	99.73	88.02	81.25	78.96
G 63.0	129.85	123.22	108.90	94.52	83.50	77.12	74.97
G 64.0	122.67	116.49	102.97	89.47	79.14	73.12	71.08
G 65.0	115.66	109.91	97.20	84.54	74.85	69.27	67.32
G 66.0	108.83	103.42	91.60	79.76	70.69	65.48	63.63
G 67.0	102.12	97.10	86.12	75.09	66.62	61.76	60.03
G 68.0	95.56	90.94	80.77	70.54	62.64	58.10	56.55
G 69.0	89.23	84.98	75.55	66.11	58.79	54.55	53.08
G 70.0	82.98	79.10	70.45	61.71	54.99	51.03	49.64
G 71.0	77.05	73.43	65.49	57.46	51.26	47.62	46.32
G 72.0	71.20	67.93	60.70	53.32	47.60	44.28	43.06

Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

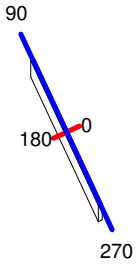
Tabla de Intensidad Luminosa cd/klm **Tabla 2/2**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 73.0	65.53	62.54	55.97	49.26	44.04	41.00	39.88
G 74.0	59.94	57.31	51.42	45.33	40.56	37.79	36.76
G 75.0	54.58	52.22	46.92	41.46	37.17	34.66	33.71
G 76.0	49.39	47.32	42.59	37.71	33.86	31.60	30.74
G 77.0	44.26	42.49	38.35	34.05	30.63	28.61	27.83
G 78.0	39.39	37.89	34.29	30.54	27.51	25.72	25.02
G 79.0	34.73	33.44	30.36	27.13	24.48	22.92	22.30
G 80.0	30.25	29.21	26.63	23.85	21.57	20.22	19.67
G 81.0	25.99	25.17	23.01	20.72	18.77	17.63	17.15
G 82.0	21.95	21.32	19.60	17.72	16.10	15.14	14.73
G 83.0	18.15	17.69	16.37	14.87	13.55	12.77	12.42
G 84.0	14.60	14.33	13.32	12.18	11.14	10.55	10.23
G 85.0	11.34	11.16	10.47	9.70	8.89	8.41	8.18
G 86.0	8.38	8.32	7.90	7.32	6.83	6.43	6.30
G 87.0	5.58	5.65	5.51	5.18	4.78	4.62	4.41
G 88.0	3.15	3.28	3.44	3.25	3.01	2.98	2.84
G 89.0	1.41	1.60	1.73	1.58	1.66	1.71	1.41
G 90.0	0.06	0.19	0.58	0.44	0.65	0.68	0.41

Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

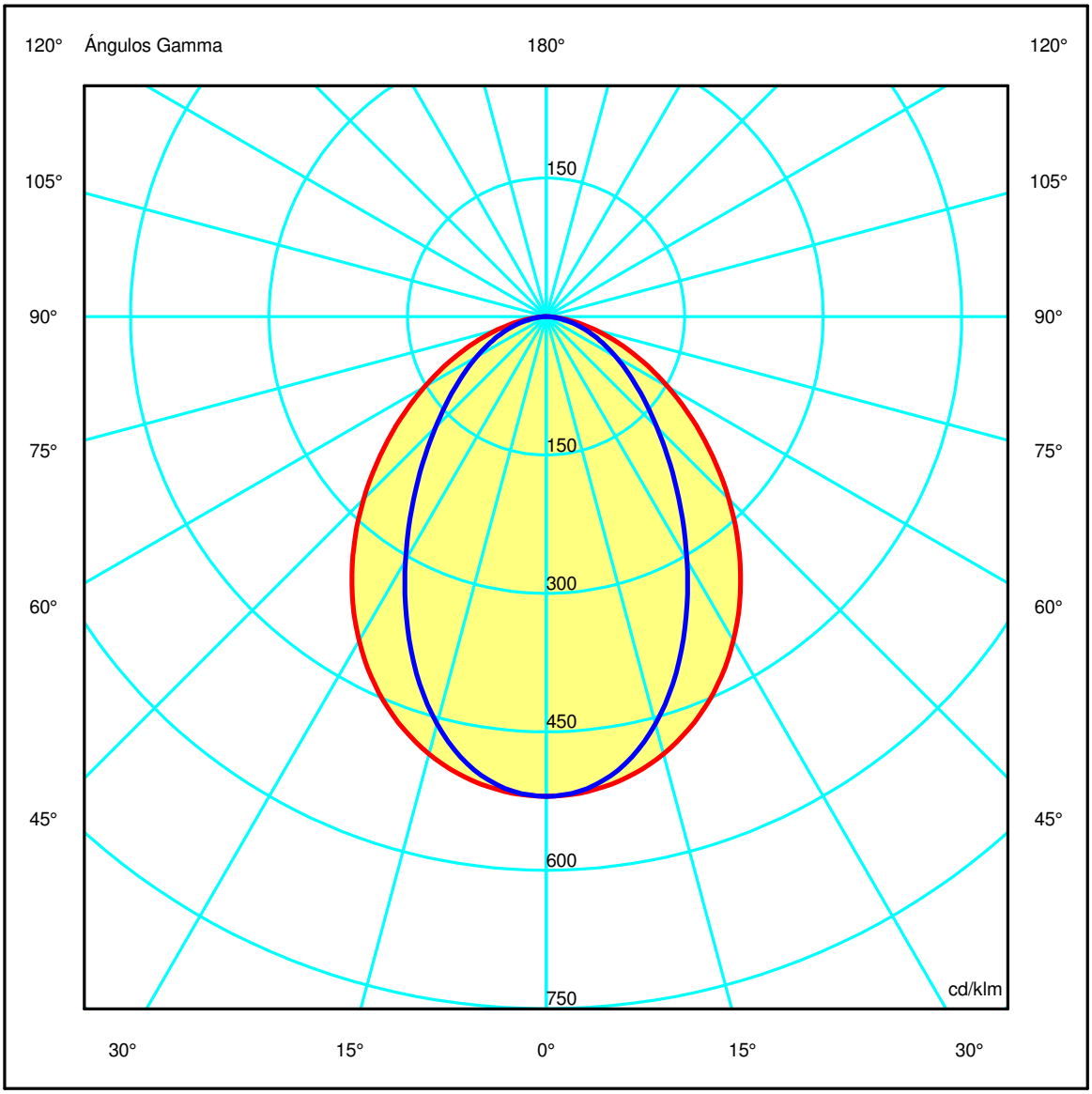
Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG Bisimétrico	

410mm x 11mm



Semiplanos C

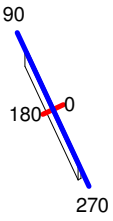


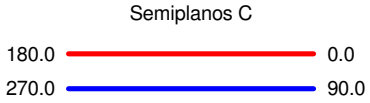


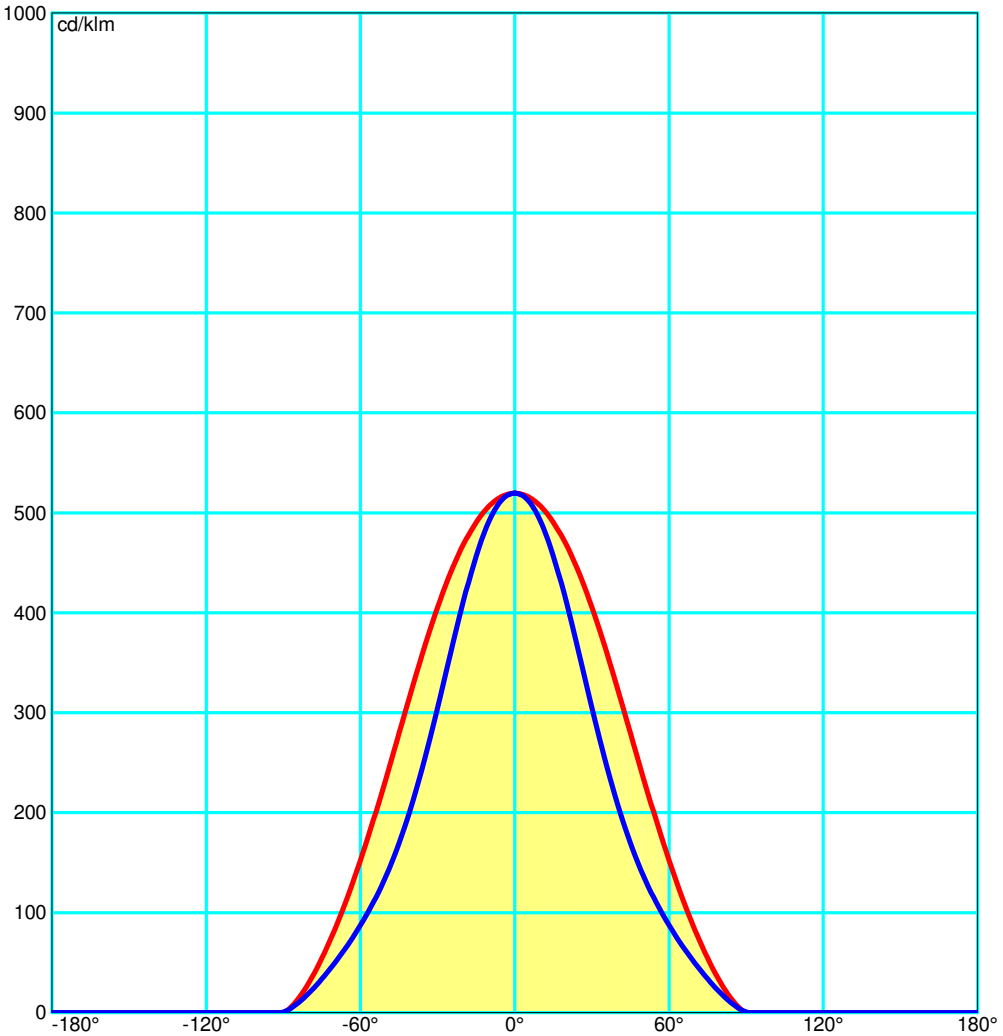
Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG Bisimétrico	

410mm x 11mm







Luminaria
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Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	26.4	27.6	26.7	27.8	28.0	23.8	25.0	24.1	25.2	25.4
x=2H y=3H	27.7	28.8	28.0	29.0	29.3	24.9	26.0	25.2	26.2	26.5
x=2H y=4H	28.2	29.2	28.5	29.5	29.8	25.3	26.3	25.7	26.6	26.9
x=2H y=6H	28.5	29.5	28.9	29.8	30.1	25.7	26.6	26.0	26.9	27.2
x=2H y=8H	28.6	29.5	29.0	29.8	30.2	25.8	26.7	26.1	27.0	27.3
x=2H y=12H	28.7	29.5	29.0	29.8	30.2	25.8	26.7	26.2	27.0	27.3
x=4H y=2H	26.7	27.7	27.1	28.0	28.3	24.7	25.7	25.0	26.0	26.2
x=4H y=3H	28.2	29.1	28.6	29.4	29.7	25.9	26.8	26.3	27.1	27.4
x=4H y=4H	28.9	29.6	29.3	30.0	30.3	26.5	27.2	26.9	27.6	27.9
x=4H y=6H	29.3	30.0	29.7	30.3	30.7	26.9	27.5	27.3	27.9	28.3
x=4H y=8H	29.5	30.1	29.9	30.5	30.9	27.0	27.6	27.4	28.0	28.4
x=4H y=12H	29.6	30.1	30.0	30.5	30.9	27.1	27.6	27.5	28.0	28.5
x=8H y=4H	29.0	29.6	29.4	30.0	30.4	26.9	27.5	27.3	27.8	28.3
x=8H y=6H	29.6	30.0	30.0	30.5	30.9	27.4	27.9	27.8	28.3	28.7
x=8H y=8H	29.8	30.2	30.3	30.6	31.1	27.6	28.0	28.1	28.4	28.9
x=8H y=12H	29.9	30.3	30.4	30.7	31.2	27.7	28.1	28.2	28.5	29.0
x=12H y=4H	29.0	29.5	29.4	29.9	30.4	26.9	27.4	27.3	27.8	28.3
x=12H y=6H	29.6	30.0	30.1	30.5	30.9	27.5	27.9	27.9	28.3	28.8
x=12H y=8H	29.8	30.2	30.3	30.6	31.1	27.7	28.1	28.2	28.5	29.0

Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Flujo Total=381.69 Flujo Luminaria=381.69

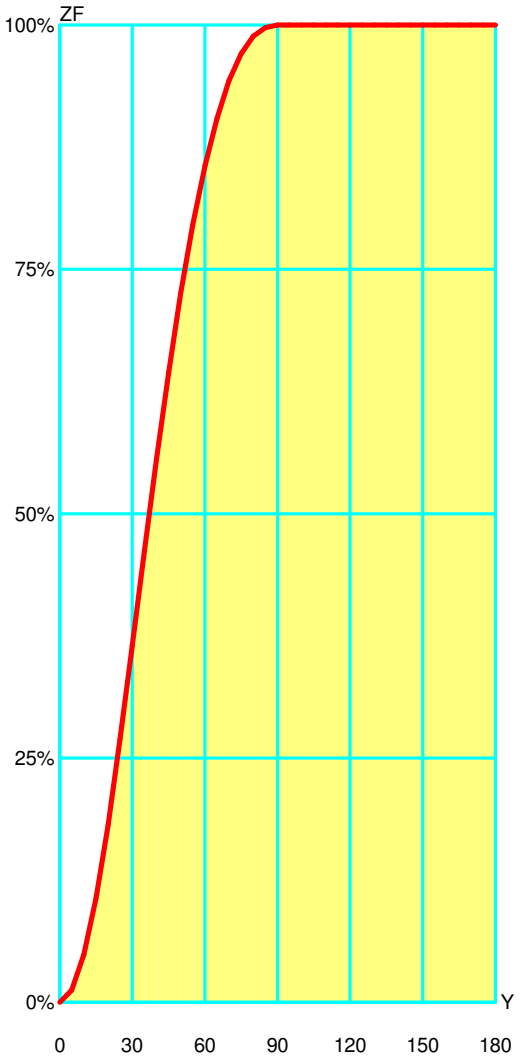
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.39	0.47	0.54	0.61	0.66	0.74	0.79	0.83	0.87	0.89	0.95	0.97
RC	4	4	3	3	3	3	3	3	3	3	3	2

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)	49	182	365	556	725	855	943	988	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
58 86 97 100 100

C.I.E.	4/4/3/3/3/3/3/3/3/3/2	LOR	100.00000 %
D DIN 5040	A40	ULOR	0.00000 %
F UTE	1.00 D	DLOR	100.00000 %
B NBN	BZ 3	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°	12.38	12.38	1.24 %	1.24 %
10°	36.31	48.69	3.63 %	4.87 %
15°	57.77	106.46	5.78 %	10.65 %
20°	75.28	181.75	7.53 %	18.17 %
25°	87.84	269.59	8.78 %	26.96 %
30°	95.00	364.59	9.50 %	36.46 %
35°	97.00	461.58	9.70 %	46.16 %
40°	94.52	556.10	9.45 %	55.61 %
45°	88.60	644.70	8.86 %	64.47 %
50°	80.30	725.00	8.03 %	72.50 %
55°	70.52	795.52	7.05 %	79.55 %
60°	59.96	855.48	6.00 %	85.55 %
65°	49.12	904.60	4.91 %	90.46 %
70°	38.29	942.89	3.83 %	94.29 %
75°	27.76	970.65	2.78 %	97.06 %
80°	17.82	988.47	1.78 %	98.85 %
85°	9.09	997.55	0.91 %	99.76 %
90°	2.45	1000.00	0.24 %	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 DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 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	206	185	155	140	176	134	108	92	80	68	43	33	17	12	64	35	31	14	11	29	12	10	0
0.80	239	220	165	152	209	145	136	119	91	80	53	42	24	17	75	44	40	20	17	38	17	15	0
1.00	262	243	166	155	232	148	160	142	97	87	59	49	30	23	82	51	46	26	22	44	23	20	0
1.25	282	265	163	155	252	148	183	166	102	93	66	56	37	29	87	57	53	32	28	50	29	26	0
1.50	296	281	159	152	268	147	203	186	104	97	70	61	43	35	91	62	58	38	34	56	34	31	0
2.00	315	303	150	145	289	140	231	217	106	100	77	69	52	45	94	69	66	48	43	63	44	40	0
2.50	327	317	143	139	303	135	252	239	106	101	81	74	60	53	96	74	71	55	51	69	51	48	0
3.00	336	327	137	134	313	131	268	256	106	102	85	78	66	59	97	78	75	61	57	73	57	53	0
4.00	349	342	131	129	327	126	291	280	107	103	89	84	74	68	99	84	81	69	66	79	65	62	0
5.00	357	351	127	125	336	123	306	297	107	104	92	88	79	74	100	87	85	75	72	83	71	68	0
10.00	375	372	118	118	357	116	339	334	107	106	99	97	92	89	103	95	94	88	87	92	85	82	0
20.00	384	383	113	113	368	111	359	356	107	107	103	102	99	98	104	100	100	96	95	97	94	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	430	419	366	358	413	354	325	318	286	281	240	235	206	204	278	236	234	205	204	234	204	204	183
0.80	481	469	395	388	460	382	374	365	319	314	274	269	240	237	310	269	267	238	236	266	236	235	211
1.00	512	500	408	401	489	395	408	398	338	332	295	290	262	258	327	289	287	259	257	285	257	256	228
1.25	539	527	416	410	514	404	438	428	353	348	313	308	282	278	341	307	305	278	276	302	276	274	243
1.50	558	547	420	416	531	409	462	451	363	358	326	321	297	292	351	319	317	293	290	313	289	287	253
2.00	573	564	413	410	545	403	486	475	366	362	335	330	309	305	354	327	325	304	302	320	300	296	259
2.50	581	573	406	403	552	396	501	490	365	362	339	334	316	311	353	330	328	310	307	323	305	300	261
3.00	584	577	397	395	555	388	509	499	362	359	339	334	319	314	349	330	328	312	309	322	306	301	259
4.00	595	588	393	391	565	384	527	519	364	361	345	341	328	324	351	335	333	320	318	326	313	307	263
5.00	603	597	391	390	572	383	540	533	366	364	350	347	336	332	353	340	338	327	325	331	320	313	266
10.00	617	614	385	384	586	377	567	562	368	367	359	357	350	347	355	347	347	340	338	337	331	322	271
20.00	610	609	366	365	578	359	568	566	354	353	349	348	344	343	342	337	337	333	332	326	323	313	260

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	657	645	613	604	637	599	531	523	511	506	451	447	409	407	502	447	446	407	406	445	406	406	390
0.80	760	746	700	691	734	684	628	618	599	593	539	534	494	491	587	533	531	492	490	529	490	489	473
1.00	840	826	766	758	811	749	709	698	671	664	613	606	568	564	657	605	603	564	562	599	562	560	544
1.25	914	900	824	817	882	807	786	773	736	730	682	675	638	633	720	672	670	634	631	665	630	627	611
1.50	969	955	865	859	933	848	844	831	784	778	733	726	692	686	767	723	720	686	683	714	681	677	662
2.00	1000	1000	923	918	1000	907	933	919	855	849	812	805	776	769	836	799	796	767	764	788	760	754	741
2.50	1000	1000	958	954	1000	943	991	978	899	894	862	855	830	823	879	848	845	820	816	836	812	804	791
3.00	1000	1000	982	979	1000	967	1000	1000	930	925	898	891	869	862	910	882	880	858	854	869	848	839	827
4.00	1000	1000	1000	1000	1000	995	1000	1000	966	962	940	934	916	910	945	923	920	903	899	908	891	880	869
5.00	1000	1000	1000	1000	1000	1000	1000	1000	987	984	965	960	945	939	966	947	945	930	927	931	917	905	893
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	999	997	989	987	980	972	956	946
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	984	974

LM53 SHR C0-C180: 1.166 SHR C90-C270: 0.943 SHR Superficial: 1.126

Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

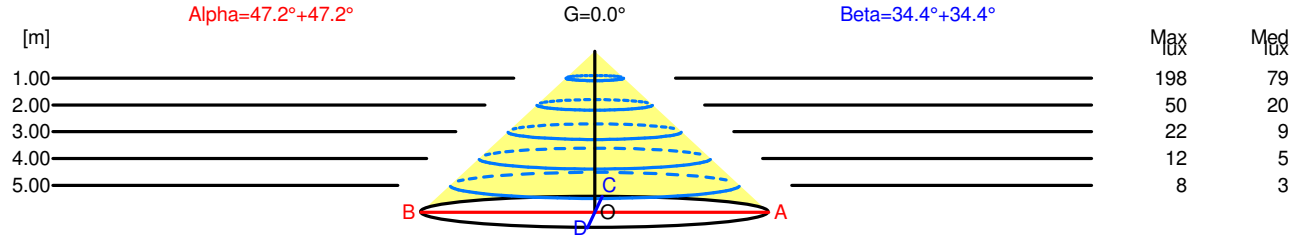
Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

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	1.08	2.16	3.24	4.32	5.40	OC	0.68	1.37	2.05	2.74	3.42
OB	1.08	2.16	3.24	4.32	5.40	OD	0.68	1.37	2.05	2.74	3.42

Intensidades Luminosas [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	198.38	197.12	187.20	167.78	139.87	106.76	73.41	44.15	20.83	4.33
OB	198.38	197.12	187.20	167.78	139.87	106.76	73.41	44.15	20.83	4.33
OC	198.38	195.84	174.35	136.88	96.92	64.76	42.06	25.69	12.87	3.12
OD	198.38	195.84	174.35	136.88	96.92	64.76	42.06	25.69	12.87	3.12



H[m]	D[m]	Max lux	Med lux	Alpha=47.2°+47.2° G=0.0
1.00	2.16	198	79	
2.00	4.32	50	20	
3.00	6.48	22	9	
4.00	8.64	12	5	
5.00	10.80	8	3	

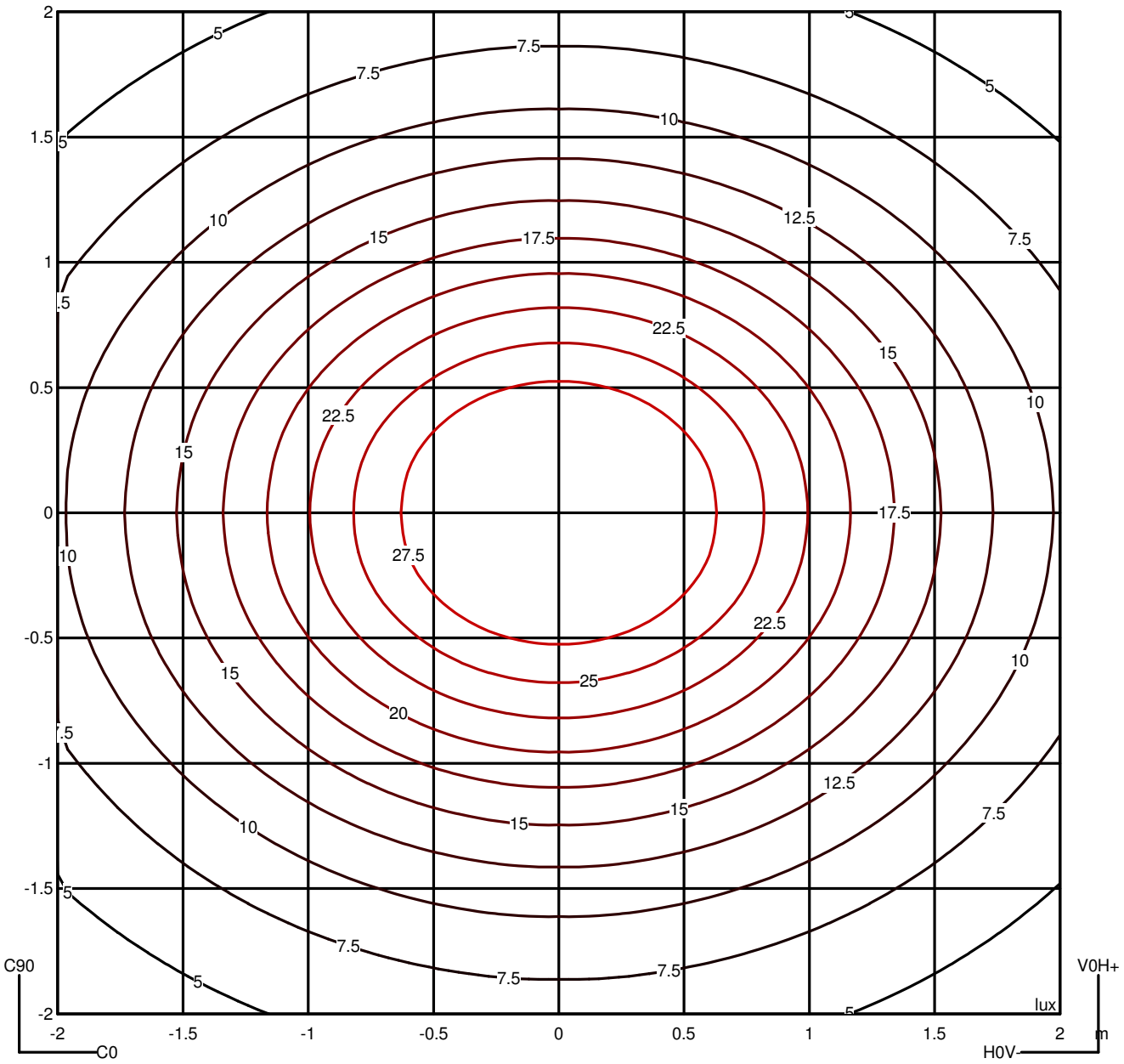
H[m]	D[m]	Max lux	Med lux	Beta=34.4°+34.4° G=0.0
1.00	1.37	198	79	
2.00	2.74	50	20	
3.00	4.11	22	9	
4.00	5.48	12	5	
5.00	6.84	8	3	

Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG Bisimétrico	

Isolux (Suelo)

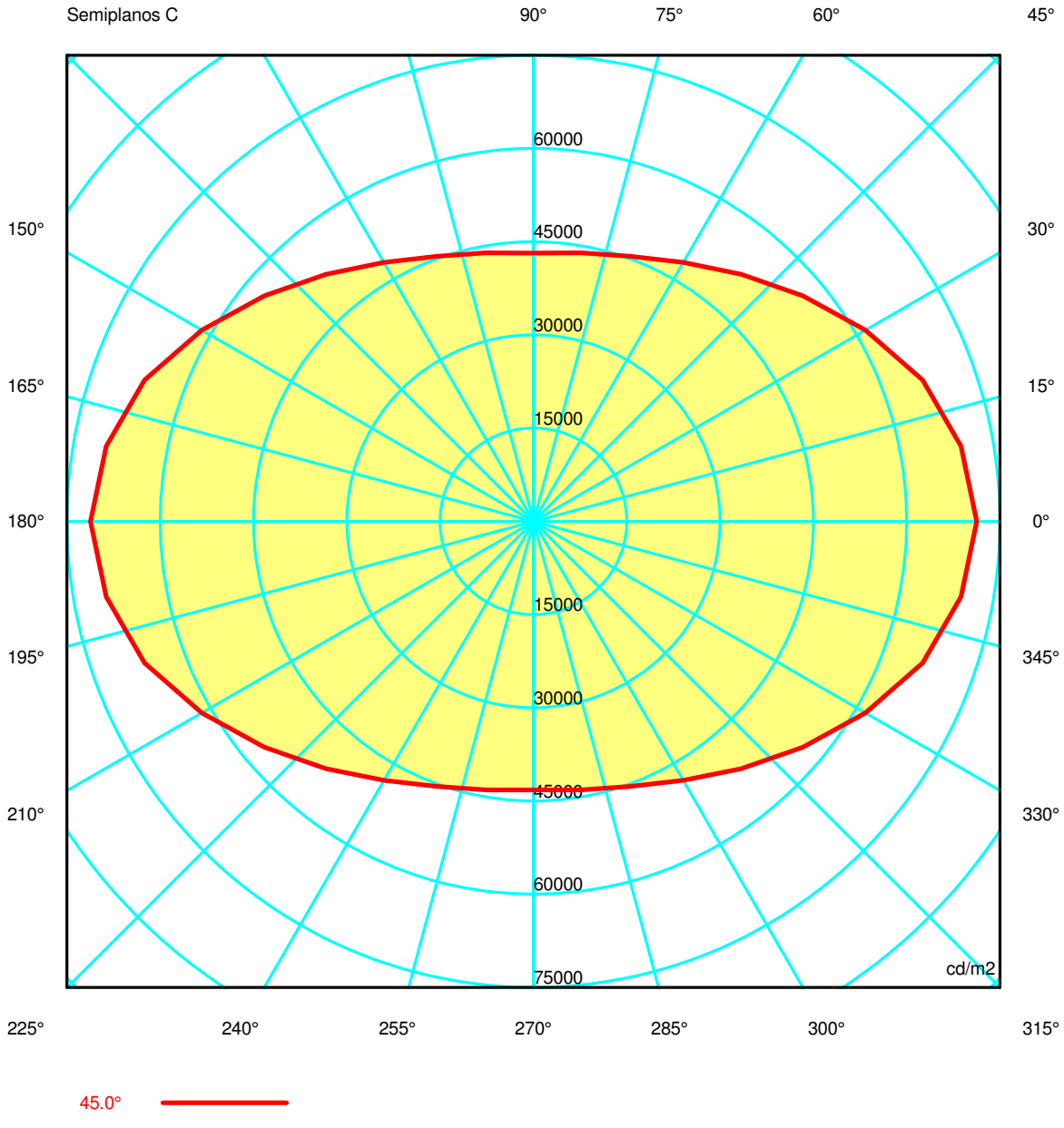
Posición Luminaria X=0.00m Y=0.00m Z=2.50m



Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminancia



Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 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	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92
G 5.0	93337.86	93349.77	93340.65	93297.15	93216.36	93107.64	92999.43	92920.26	92835.85	92731.11	92835.85	92920.26	92999.43
G 10.0	92642.29	92600.04	92478.81	92143.31	91675.20	91156.68	90674.31	90301.70	90066.54	89928.61	90066.54	90301.70	90674.31
G 15.0	91414.64	91271.03	90915.52	90034.15	88927.67	87800.70	86767.10	85891.26	85362.47	85139.82	85362.47	85891.26	86767.10
G 20.0	89685.58	89434.33	88601.62	87065.53	85158.46	83207.61	81431.70	79980.72	79121.11	78756.07	79121.11	79980.72	81431.70
G 25.0	87320.92	86842.69	85503.73	83154.58	80331.77	77496.57	74962.23	72948.16	71762.60	71241.79	71762.60	72948.16	74962.23
G 30.0	84278.67	83559.86	81663.22	78452.18	74749.84	71095.42	67880.39	65425.18	64005.21	63365.60	64005.21	65425.18	67880.39
G 35.0	80543.94	79568.60	77105.12	73081.13	68670.41	64430.21	60762.11	58047.09	56505.73	55808.79	56505.73	58047.09	60762.11
G 40.0	76126.31	74921.26	71995.69	67355.12	62481.56	57935.86	54082.64	51291.63	49721.04	49000.74	49721.04	51291.63	54082.64
G 45.0	71214.42	69766.50	66540.58	61586.79	56511.51	51912.80	48111.08	45388.18	43873.94	43197.80	43873.94	45388.18	48111.08
G 50.0	65851.43	64300.04	60966.59	55967.79	51003.20	46593.29	42990.43	40452.40	39052.21	38420.79	39052.21	40452.40	42990.43
G 55.0	60372.18	58748.34	55473.78	50702.40	46070.52	42008.15	38709.83	36411.06	35153.50	34588.73	35153.50	36411.06	38709.83
G 60.0	54790.50	53260.90	50252.19	45904.38	41692.80	38029.77	35079.67	33016.30	31894.72	31410.56	31894.72	33016.30	35079.67
G 65.0	49274.20	47928.29	45262.28	41409.24	37695.57	34473.67	31887.41	30097.83	29120.28	28677.79	29120.28	30097.83	31887.41
G 70.0	43680.77	42564.20	40332.56	37084.18	33922.15	31168.59	28948.33	27381.86	26516.64	26129.53	26516.64	27381.86	28948.33
G 75.0	37965.24	37069.37	35271.16	32637.44	30039.50	27733.72	25854.05	24543.82	23809.15	23449.26	23809.15	24543.82	25854.05
G 80.0	31358.96	30792.01	29532.60	27608.90	25652.65	23860.76	22366.07	21317.44	20712.79	20391.12	20712.79	21317.44	22366.07
G 85.0	23416.47	23278.88	22667.41	21625.65	20580.25	19456.62	18361.74	17620.74	17181.29	16892.82	17181.29	17620.74	18361.74
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 DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 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	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92
G 5.0	93107.64	93216.36	93297.15	93340.65	93349.77	93337.86	93349.77	93340.65	93297.15	93216.36	93107.64	92999.43	92920.26
G 10.0	91156.68	91675.20	92143.31	92478.81	92600.04	92642.29	92600.04	92478.81	92143.31	91675.20	91156.68	90674.31	90301.70
G 15.0	87800.70	88927.67	90034.15	90915.52	91271.03	91414.64	91271.03	90915.52	90034.15	88927.67	87800.70	86767.10	85891.26
G 20.0	83207.61	85158.46	87065.53	88601.62	89434.33	89685.58	89434.33	88601.62	87065.53	85158.46	83207.61	81431.70	79980.72
G 25.0	77496.57	80331.77	83154.58	85503.73	86842.69	87320.92	86842.69	85503.73	83154.58	80331.77	77496.57	74962.23	72948.16
G 30.0	71095.42	74749.84	78452.18	81663.22	83559.86	84278.67	83559.86	81663.22	78452.18	74749.84	71095.42	67880.39	65425.18
G 35.0	64430.21	68670.41	73081.13	77105.12	79568.60	80543.94	79568.60	77105.12	73081.13	68670.41	64430.21	60762.11	58047.09
G 40.0	57935.86	62481.56	67355.12	71995.69	74921.26	76126.31	74921.26	71995.69	67355.12	62481.56	57935.86	54082.64	51291.63
G 45.0	51912.80	56511.51	61586.79	66540.58	69766.50	71214.42	69766.50	66540.58	61586.79	56511.51	51912.80	48111.08	45388.18
G 50.0	46593.29	51003.20	55967.79	60966.59	64300.04	65851.43	64300.04	60966.59	55967.79	51003.20	46593.29	42990.43	40452.40
G 55.0	42008.15	46070.52	50702.40	55473.78	58748.34	60372.18	58748.34	55473.78	50702.40	46070.52	42008.15	38709.83	36411.06
G 60.0	38029.77	41692.80	45904.38	50252.19	53260.90	54790.50	53260.90	50252.19	45904.38	41692.80	38029.77	35079.67	33016.30
G 65.0	34473.67	37695.57	41409.24	45262.28	47928.29	49274.20	47928.29	45262.28	41409.24	37695.57	34473.67	31887.41	30097.83
G 70.0	31168.59	33922.15	37084.18	40332.56	42564.20	43680.77	42564.20	40332.56	37084.18	33922.15	31168.59	28948.33	27381.86
G 75.0	27733.72	30039.50	32637.44	35271.16	37069.37	37965.24	37069.37	35271.16	32637.44	30039.50	27733.72	25854.05	24543.82
G 80.0	23860.76	25652.65	27608.90	29532.60	30792.01	31358.96	30792.01	29532.60	27608.90	25652.65	23860.76	22366.07	21317.44
G 85.0	19456.62	20580.25	21625.65	22667.41	23278.88	23416.47	23278.88	22667.41	21625.65	20580.25	19456.62	18361.74	17620.74
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

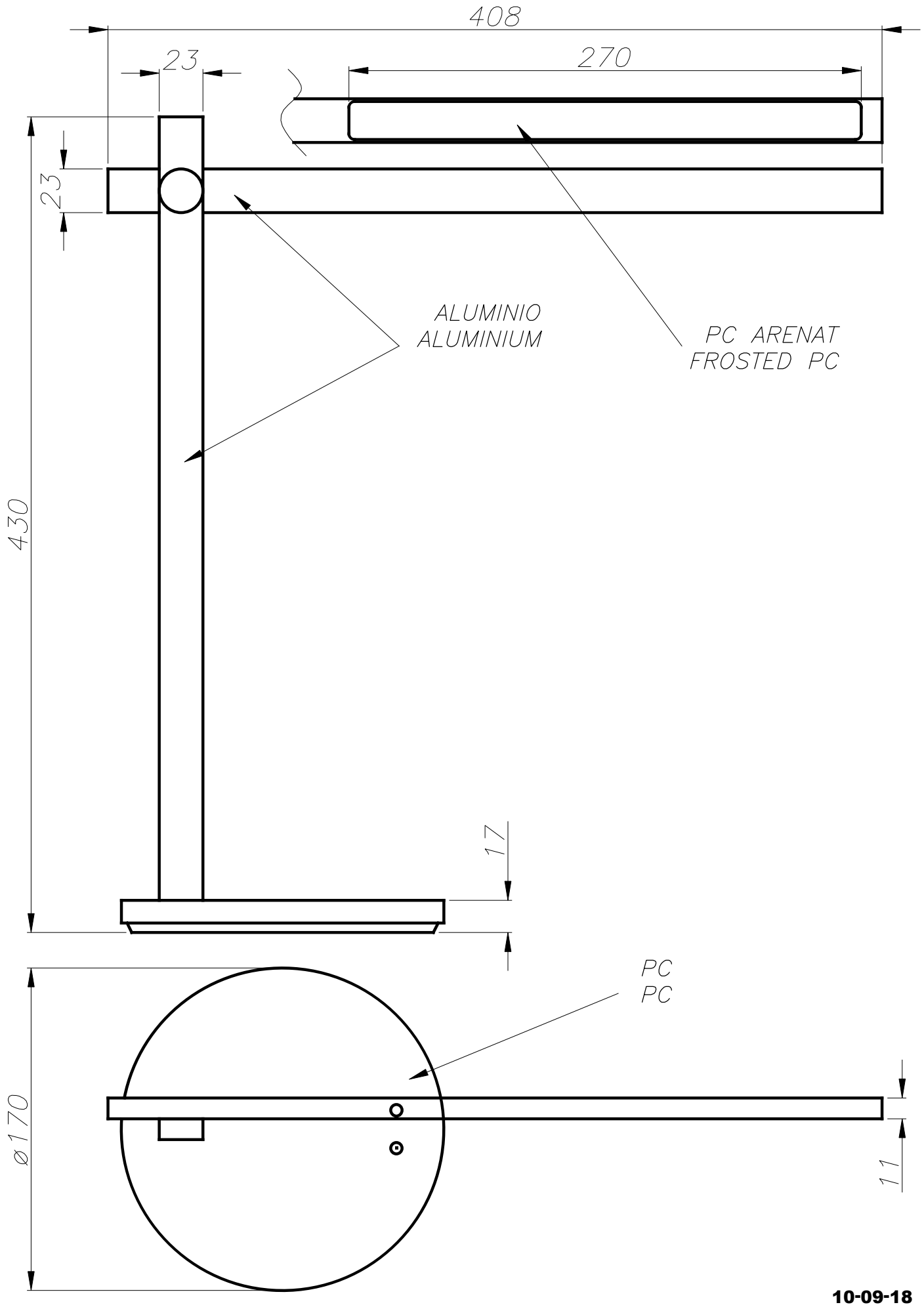
Luminaria
Código DE-0477-BLA
Nombre TOUCH
Ensayo
Código DE-0477-BLA
Nombre TOUCH

Flujo Luminaria	381.69 lm	Potencia luminaria	6.40 W	Eficacia	59.64 lm/W	Eficiencia	100.00%
Flujo de Lámpara	381.69 lm	Valor Máximo	519.73 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	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92	93573.92
G 5.0	92835.85	92731.11	92835.85	92920.26	92999.43	93107.64	93216.36	93297.15	93340.65	93349.77
G 10.0	90066.54	89928.61	90066.54	90301.70	90674.31	91156.68	91675.20	92143.31	92478.81	92600.04
G 15.0	85362.47	85139.82	85362.47	85891.26	86767.10	87800.70	88927.67	90034.15	90915.52	91271.03
G 20.0	79121.11	78756.07	79121.11	79980.72	81431.70	83207.61	85158.46	87065.53	88601.62	89434.33
G 25.0	71762.60	71241.79	71762.60	72948.16	74962.23	77496.57	80331.77	83154.58	85503.73	86842.69
G 30.0	64005.21	63365.60	64005.21	65425.18	67880.39	71095.42	74749.84	78452.18	81663.22	83559.86
G 35.0	56505.73	55808.79	56505.73	58047.09	60762.11	64430.21	68670.41	73081.13	77105.12	79568.60
G 40.0	49721.04	49000.74	49721.04	51291.63	54082.64	57935.86	62481.56	67355.12	71995.69	74921.26
G 45.0	43873.94	43197.80	43873.94	45388.18	48111.08	51912.80	56511.51	61586.79	66540.58	69766.50
G 50.0	39052.21	38420.79	39052.21	40452.40	42990.43	46593.29	51003.20	55967.79	60966.59	64300.04
G 55.0	35153.50	34588.73	35153.50	36411.06	38709.83	42008.15	46070.52	50702.40	55473.78	58748.34
G 60.0	31894.72	31410.56	31894.72	33016.30	35079.67	38029.77	41692.80	45904.38	50252.19	53260.90
G 65.0	29120.28	28677.79	29120.28	30097.83	31887.41	34473.67	37695.57	41409.24	45262.28	47928.29
G 70.0	26516.64	26129.53	26516.64	27381.86	28948.33	31168.59	33922.15	37084.18	40332.56	42564.20
G 75.0	23809.15	23449.26	23809.15	24543.82	25854.05	27733.72	30039.50	32637.44	35271.16	37069.37
G 80.0	20712.79	20391.12	20712.79	21317.44	22366.07	23860.76	25652.65	27608.90	29532.60	30792.01
G 85.0	17181.29	16892.82	17181.29	17620.74	18361.74	19456.62	20580.25	21625.65	22667.41	23278.88
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DE-0477

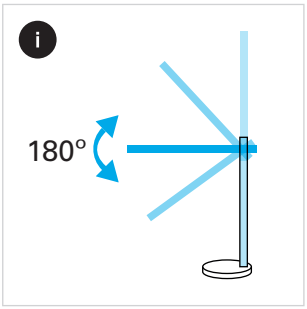


10-09-18

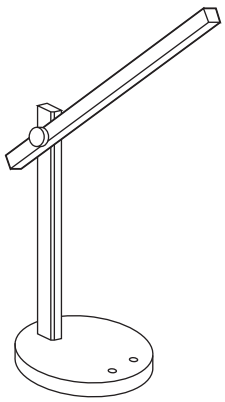
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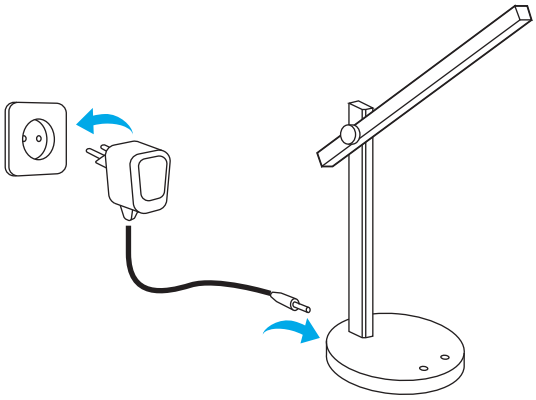




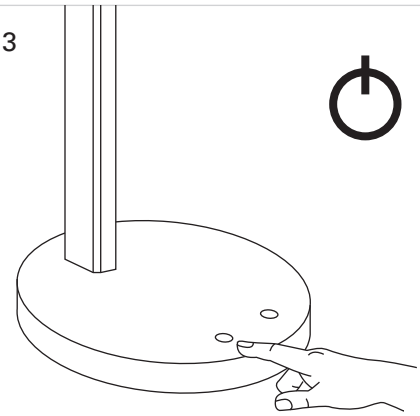
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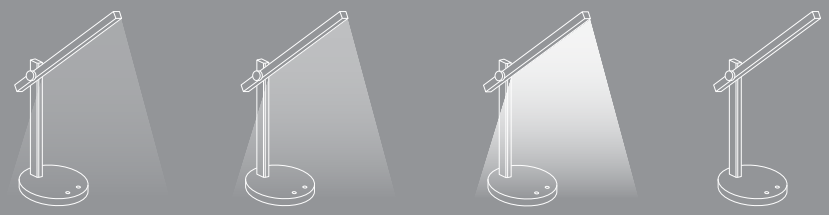


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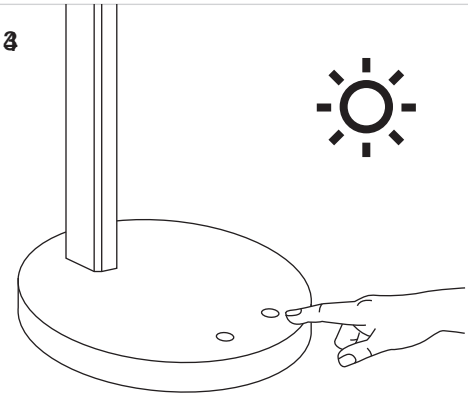


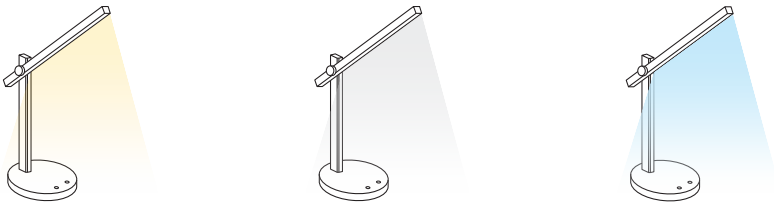
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4





9-3-2022