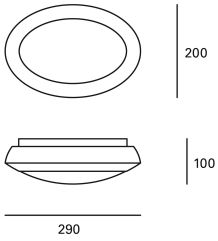
Ford Oval

PX-0142-NEG

Wall fixture IP65 Ford Oval E27 15W Black 1300lm





TECHNICAL FEATURES

IP65 IK10

Luminaire total power : 15W

Real lumens : 1300

Real lm/W : 87

Lens / reflector angle : HORIZONTAL 119º

Structure material : Polycarbonate + ABS

Structure finish : Black

Diffuser material : Polycarbonate

Diffuser finish : Opal

Max. size of light bulb : 150/45 mm

Recommended light bulb : E27

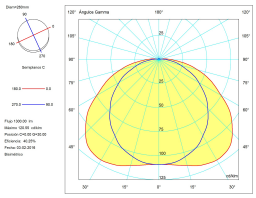
Voltage / frequency : 100-240V ~ 50/60Hz

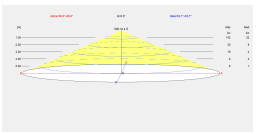
Warranty : 3 Years

Corrosion resistance (Neutral Salt Spray test according to ISO 9227) : Yes

LUMINOTECHNIC FEATURES

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
E27	1	Max. power 15W	-





LOGISTICS

Net weight (kg): 0.71

Packaged weight (kg): 0.93

Packaging: 200mm x 100mm x 290mm

12 Un

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

Luminaire
Code PX-0142-NEG
Name Apliq. FORD1x23W TC-TEL opal
Measurem.
Code PX-0142-NEG
Name Apliq. FORD1x23W TC-TEL opal

Luminaire Flux	523.31 lm	Luminaire Power	23.00 W	Efficacy	22.75 lm/W	Efficiency	40.25%
Lamps Flux	1300.00 lm	Maximum value	156.72 cd	Position	C=0.00 G=30.00	CG	Double Symmetrical

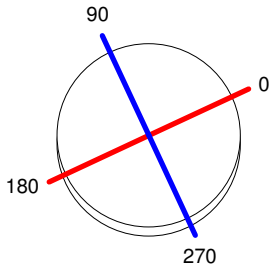
Round Luminaire	Diam. 260 mm	Height	95 mm
Round Luminous Area	Diam. 220 mm	Height	25 mm
Horizontal Luminous Area	0.038013 m2	Emitting area on Plane 180°	0.005500 m2
Emitting area on Plane 0°	0.005500 m2	Emitting area on Plane 270°	0.005500 m2
Emitting area on Plane 90°	0.005500 m2	Glare area at 76°	0.014533 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	03-02-2016	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	1300.00 lm
Operator	Asselum T2	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	PL ELECT pro23W/827	PL ELECT pro23W/827	1300.00	23.00	1

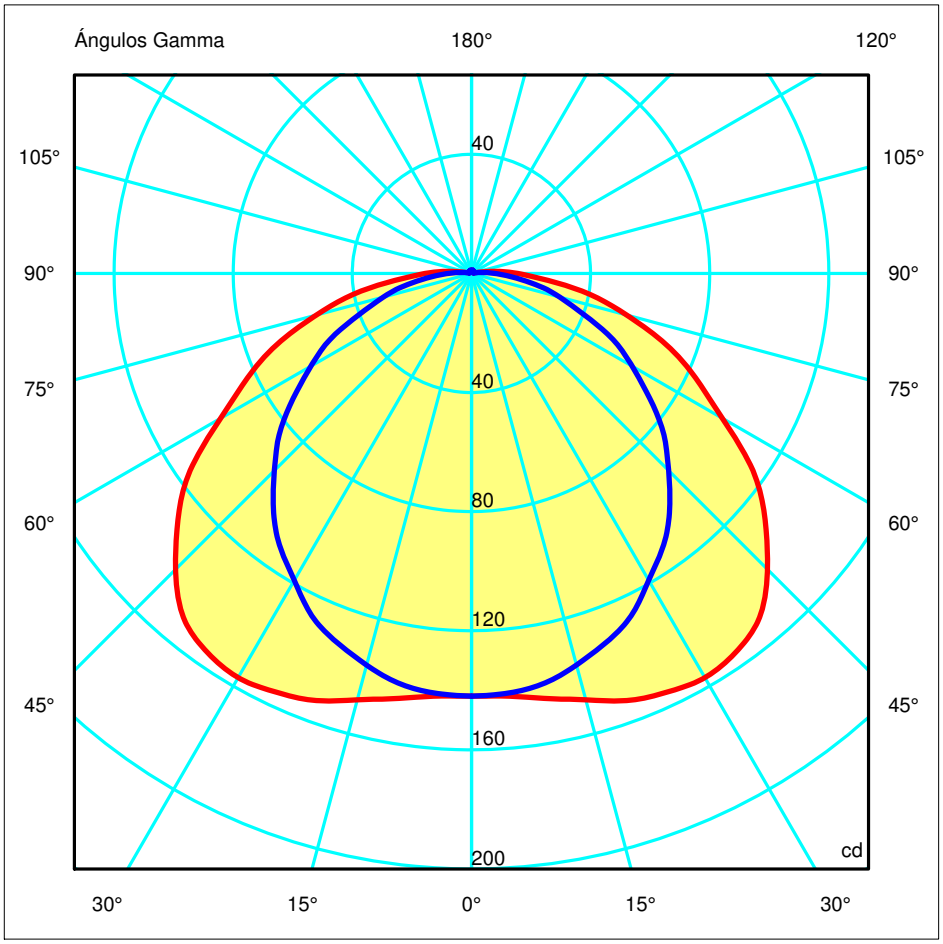
C.I.E.	42 74 93 98 40	D DIN 5040	A31
F UTE	0.39 E + 0.01 T	B NBN	BZ 5

Diam=260mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

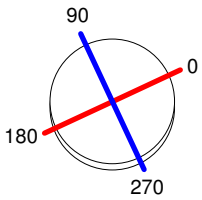


ULOR	0.86 %
DLOR	39.39 %
RN	2.14 %

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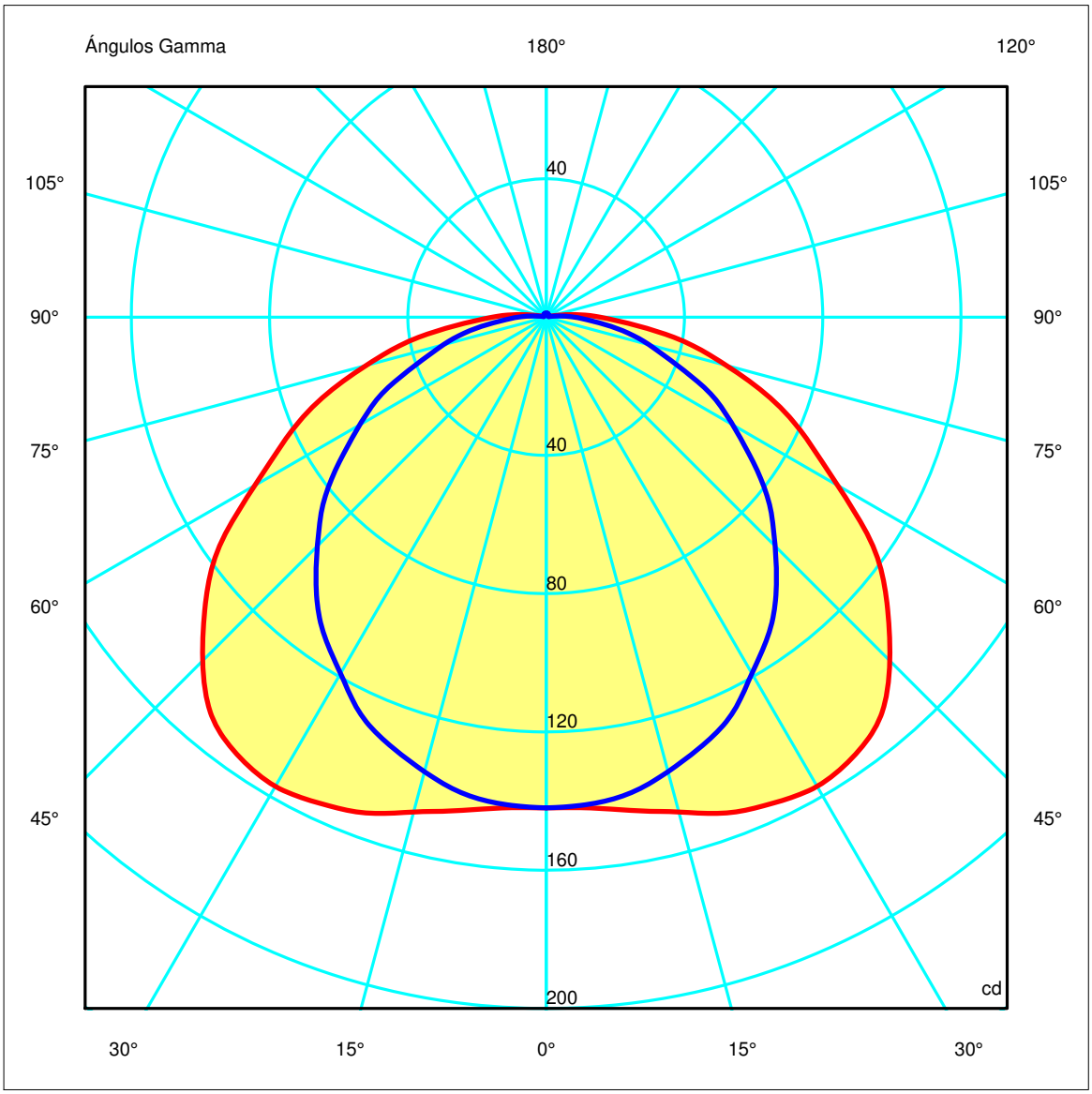
Diam=260mm



Semiplanos C

180.0 0.0

270.0 90.0



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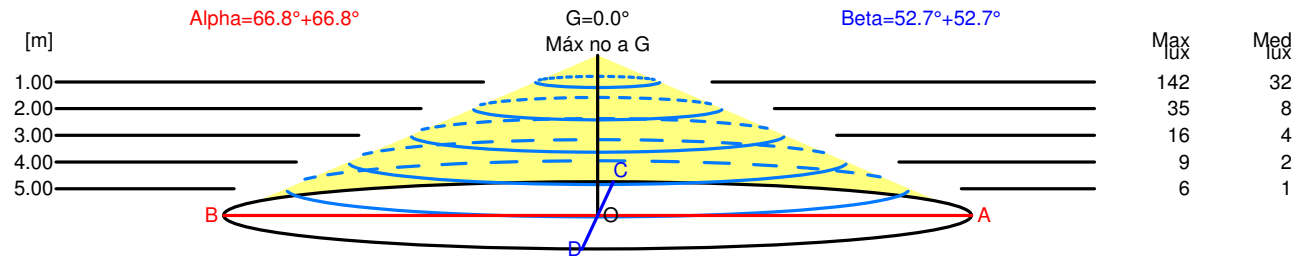
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Lamps Flux	1300.00 lm	Maximum value	156.72 cd	Position	C=0.00 G=30.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

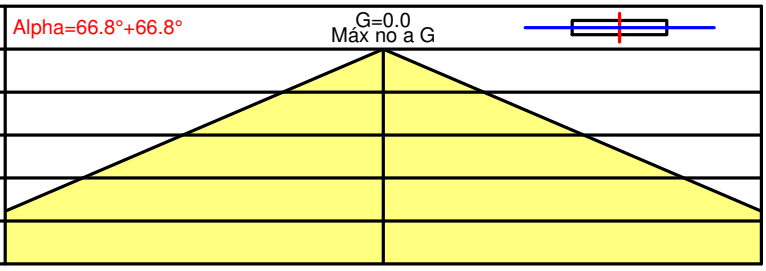
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.33	4.67	7.00	9.33	11.66	OC	1.31	2.63	3.94	5.26	6.57
OB	2.33	4.67	7.00	9.33	11.66	OD	1.31	2.63	3.94	5.26	6.57

Luminous Intensities [cd]

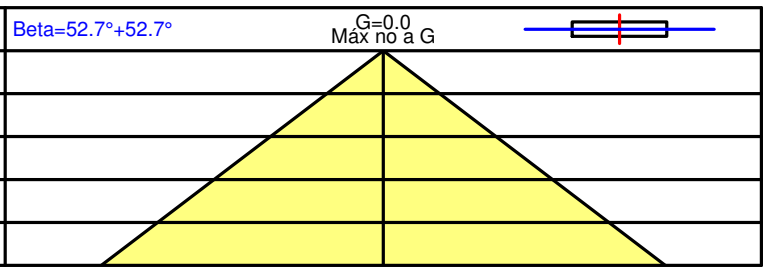
	0	5	15	25	35	45	55	65	75	85
OA	141.94	142.48	148.20	155.15	155.04	140.51	115.34	83.03	53.90	25.39
OB	141.94	142.48	148.20	155.15	155.04	140.51	115.34	83.03	53.90	25.39
OC	141.94	141.43	136.12	126.84	112.08	93.58	73.08	52.44	30.78	13.56
OD	141.94	141.43	136.12	126.84	112.08	93.58	73.08	52.44	30.78	13.56



H[m]	D[m]	Max lux	Med lux
1.00	4.67	142	32
2.00	9.33	35	8
3.00	14.00	16	4
4.00	18.66	9	2
5.00	23.33	6	1



H[m]	D[m]	Max lux	Med lux
1.00	2.63	142	32
2.00	5.26	35	8
3.00	7.88	16	4
4.00	10.51	9	2
5.00	13.14	6	1

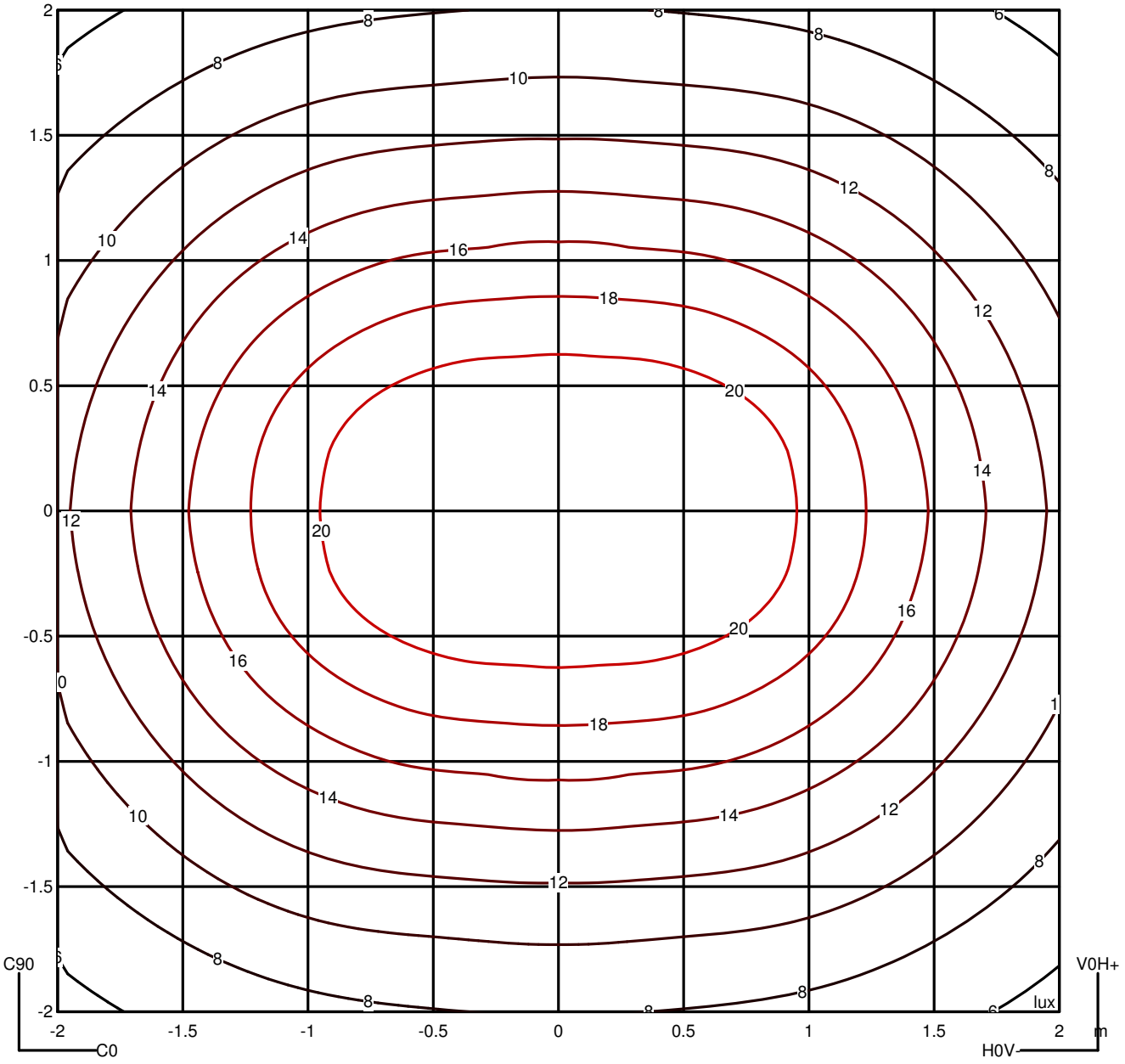


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Isolux (Floor)

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



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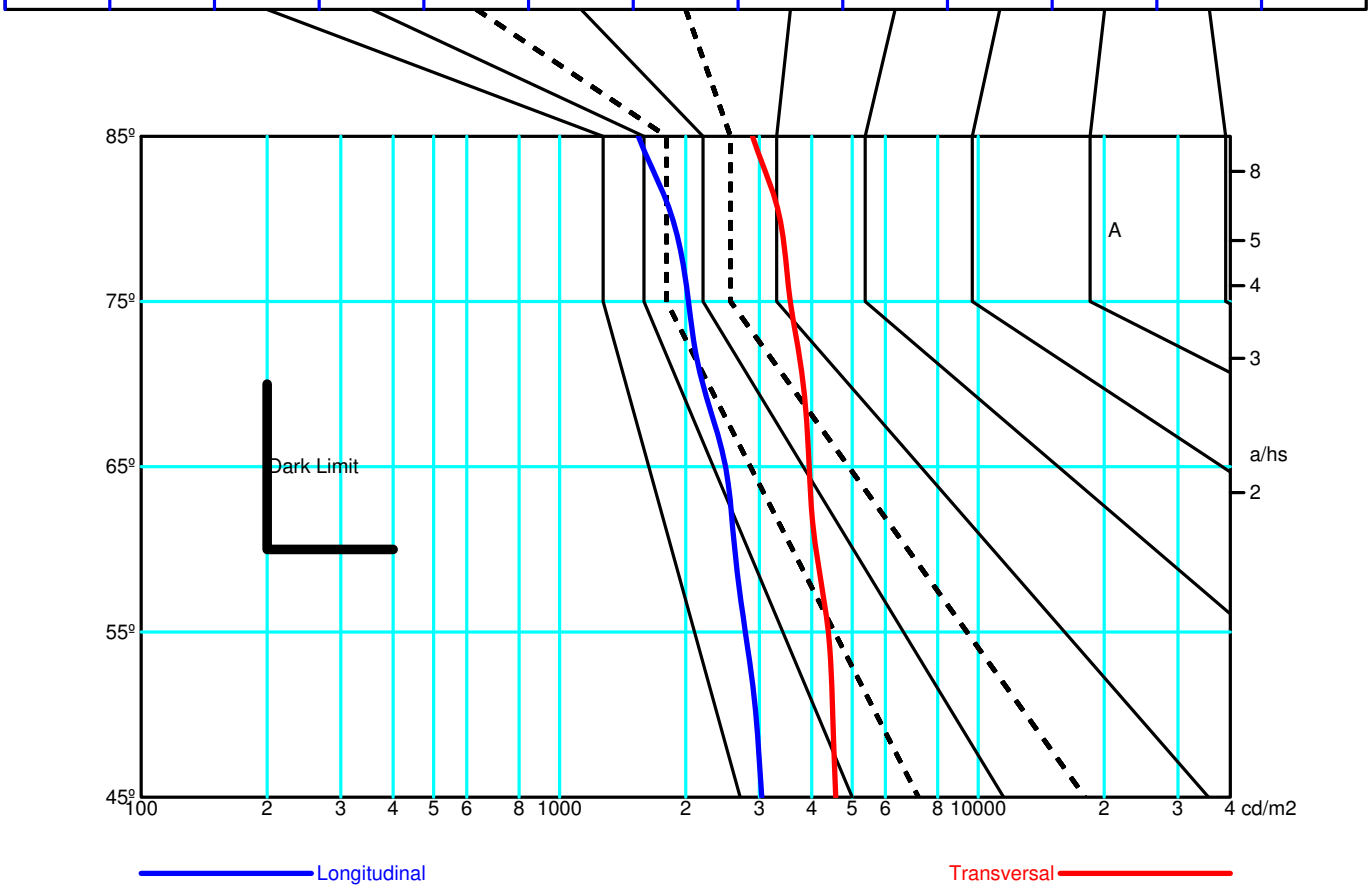
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Lamps Flux	1300.00 lm	Maximum value	156.72 cd	Position	C=0.00 G=30.00	CG	Double Symmetrical

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	4567	4492	4384	4093	3944	3820	3557	3361	2888	---
90.0°	3041	2943	2778	2619	2491	2197	2032	1862	1542	---

Flujo montado o vista longitudinal

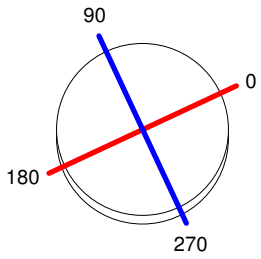
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



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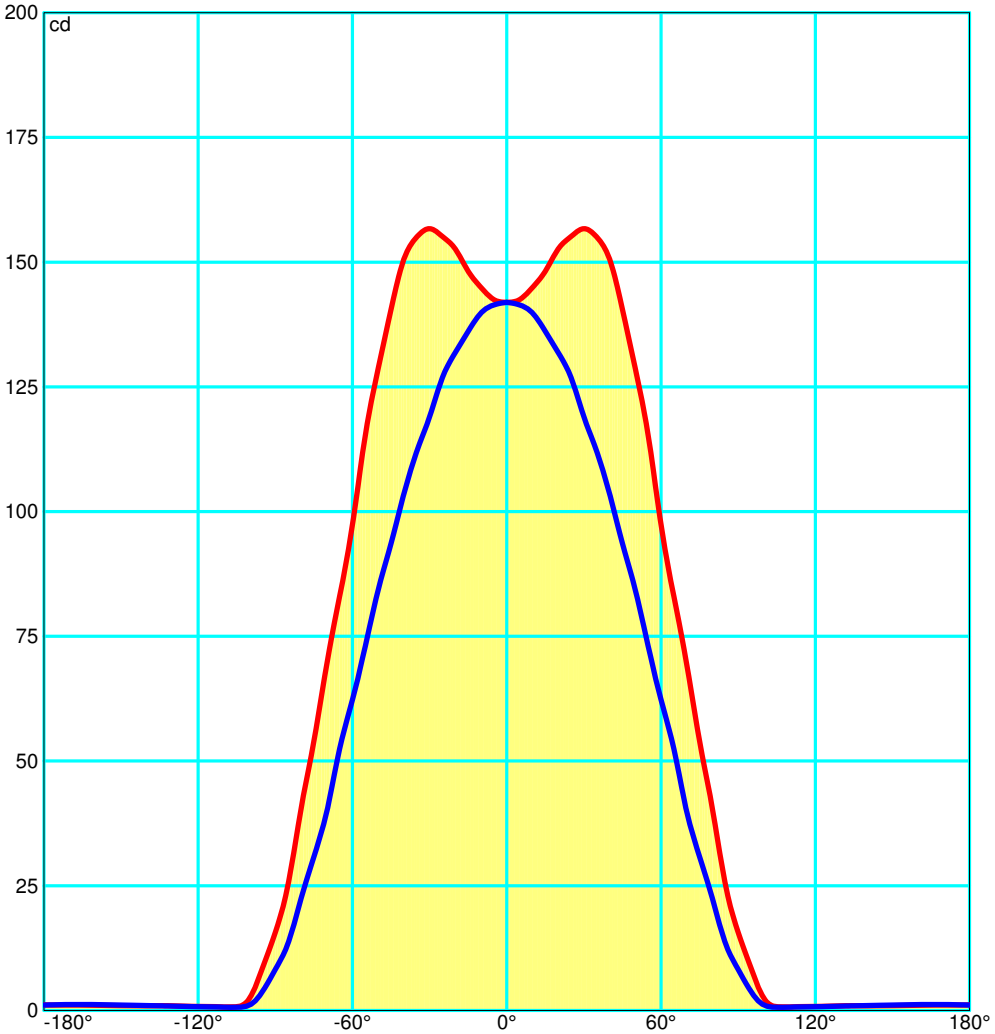
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Diam=260mm



Semiplanos C

180.0 0.0
270.0 90.0



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UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	17.6	19.0	18.0	19.3	17.7	15.7	17.1	16.1	17.4	17.7
x=2H y=3H	19.5	20.7	19.8	21.0	19.1	17.2	18.4	17.6	18.8	19.1
x=2H y=4H	20.2	21.4	20.6	21.7	19.6	17.8	18.9	18.1	19.3	19.6
x=2H y=6H	21.0	22.0	21.3	22.4	20.1	18.3	19.4	18.7	19.7	20.1
x=2H y=8H	21.2	22.3	21.6	22.6	20.3	18.5	19.5	18.9	19.9	20.3
x=2H y=12H	21.5	22.5	21.9	22.8	20.4	18.6	19.6	19.1	20.0	20.4
x=4H y=2H	18.2	19.4	18.6	19.7	18.7	16.8	18.0	17.2	18.3	18.7
x=4H y=3H	20.2	21.2	20.7	21.6	20.2	18.4	19.4	18.9	19.8	20.2
x=4H y=4H	21.2	22.1	21.6	22.5	20.9	19.1	20.0	19.6	20.4	20.9
x=4H y=6H	22.0	22.8	22.4	23.2	21.4	19.7	20.5	20.2	20.9	21.4
x=4H y=8H	22.3	23.1	22.8	23.5	21.6	20.0	20.7	20.4	21.1	21.6
x=4H y=12H	22.6	23.3	23.1	23.8	21.8	20.2	20.9	20.7	21.3	21.8
x=8H y=4H	21.4	22.1	21.9	22.6	21.3	19.7	20.4	20.1	20.8	21.3
x=8H y=6H	22.4	23.0	22.9	23.5	22.1	20.5	21.1	21.0	21.6	22.1
x=8H y=8H	22.9	23.4	23.4	23.9	22.4	20.8	21.4	21.3	21.8	22.4
x=8H y=12H	23.3	23.7	23.8	24.2	22.6	21.1	21.6	21.6	22.1	22.6
x=12H y=4H	21.4	22.1	21.9	22.6	21.4	19.8	20.5	20.3	20.9	21.4
x=12H y=6H	22.5	23.0	23.0	23.5	22.2	20.6	21.2	21.1	21.6	22.2
x=12H y=8H	23.0	23.4	23.5	23.9	22.5	21.0	21.5	21.5	22.0	22.5

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Flujo Total=1300.00 Flujo Luminaria=523.31

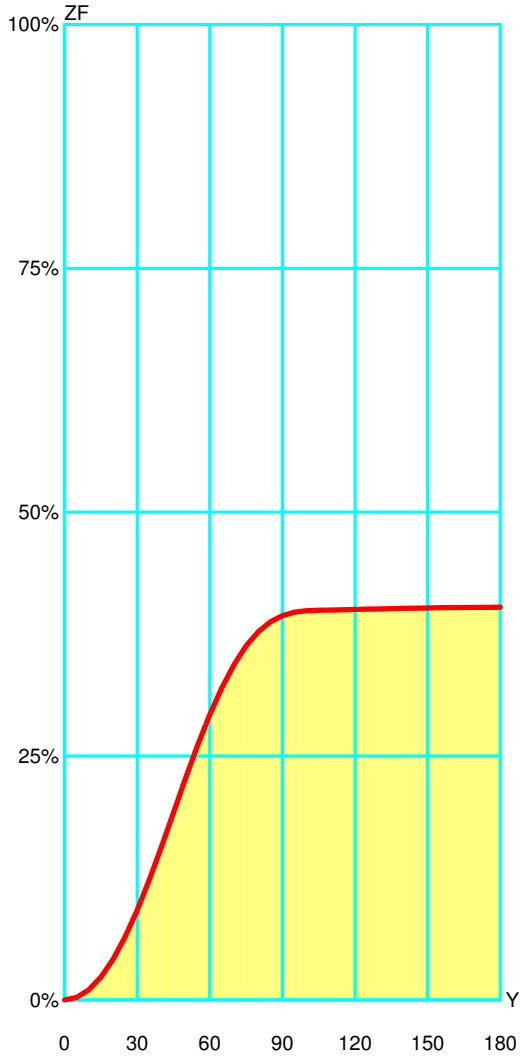
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.27	0.35	0.43	0.50	0.55	0.64	0.70	0.74	0.80	0.83	0.91	0.95
RC	6	6	6	6	6	6	6	6	6	6	6	6

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)	10	42	92	157	227	292	344	377	394	399	400	400	401	401	402	402	402	403

Códigos de Flujo C.I.E.
42 74 93 98 40

C.I.E.	6	LOR	40.25434 %
D DIN 5040	A31	ULOR	0.86082 %
F UTE	0.39 E + 0.01 T	DLOR	39.39352 %
B NBN	BZ 5	UFF	2.13844 %
RN	2.13844 %	DFF	97.86156 %
BLF	1.0	FFR	2.18517 %

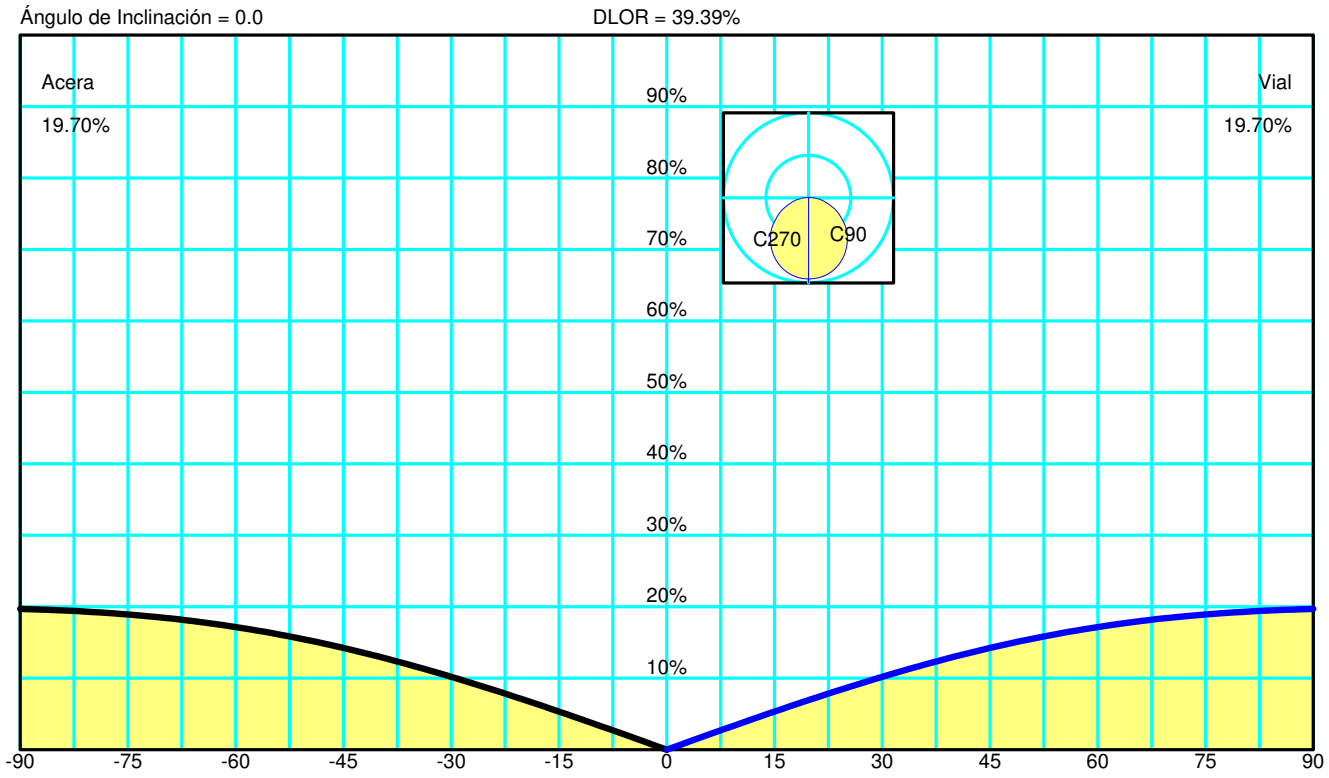


Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.61	2.61	0.65 %	0.65 %
10°	7.84	10.45	1.95 %	2.60 %
15°	13.04	23.50	3.24 %	5.84 %
20°	18.15	41.65	4.51 %	10.35 %
25°	23.00	64.65	5.71 %	16.06 %
30°	27.38	92.02	6.80 %	22.86 %
35°	31.06	123.08	7.72 %	30.58 %
40°	33.80	156.89	8.40 %	38.97 %
45°	35.25	192.13	8.76 %	47.73 %
50°	35.27	227.41	8.76 %	56.49 %
55°	33.87	261.28	8.41 %	64.91 %
60°	31.16	292.44	7.74 %	72.65 %
65°	27.64	320.07	6.87 %	79.51 %
70°	23.61	343.69	5.87 %	85.38 %
75°	19.16	362.84	4.76 %	90.14 %
80°	14.56	377.40	3.62 %	93.75 %
85°	10.14	387.54	2.52 %	96.27 %
90°	6.39	393.94	1.59 %	97.86 %
95°	3.53	397.47	0.88 %	98.74 %
100°	1.50	398.97	0.37 %	99.11 %
105°	0.49	399.45	0.12 %	99.23 %
110°	0.27	399.72	0.07 %	99.30 %
115°	0.28	400.00	0.07 %	99.37 %
120°	0.28	400.28	0.07 %	99.44 %
125°	0.28	400.57	0.07 %	99.51 %
130°	0.28	400.85	0.07 %	99.58 %
135°	0.27	401.12	0.07 %	99.65 %
140°	0.26	401.38	0.06 %	99.71 %
145°	0.24	401.62	0.06 %	99.77 %
150°	0.23	401.85	0.06 %	99.83 %
155°	0.20	402.05	0.05 %	99.88 %
160°	0.17	402.22	0.04 %	99.92 %
165°	0.14	402.36	0.03 %	99.95 %
170°	0.10	402.46	0.03 %	99.98 %
175°	0.06	402.52	0.02 %	99.99 %
180°	0.02	402.54	0.01 %	100.00 %

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Pavement			Road		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	1.80%	Piano	5	1.80%
Piano	-10	3.58%	Piano	10	3.58%
Piano	-15	5.33%	Piano	15	5.33%
Piano	-20	7.02%	Piano	20	7.02%
Piano	-25	8.65%	Piano	25	8.65%
Piano	-30	10.20%	Piano	30	10.20%
Piano	-35	11.65%	Piano	35	11.65%
Piano	-40	13.00%	Piano	40	13.00%
Piano	-45	14.24%	Piano	45	14.24%
Piano	-50	15.34%	Piano	50	15.34%
Piano	-55	16.32%	Piano	55	16.32%
Piano	-60	17.16%	Piano	60	17.16%
Piano	-65	17.88%	Piano	65	17.88%
Piano	-70	18.46%	Piano	70	18.46%
Piano	-75	18.92%	Piano	75	18.92%
Piano	-80	19.27%	Piano	80	19.27%
Piano	-85	19.52%	Piano	85	19.52%
Piano	-90	19.70%	Piano	90	19.70%



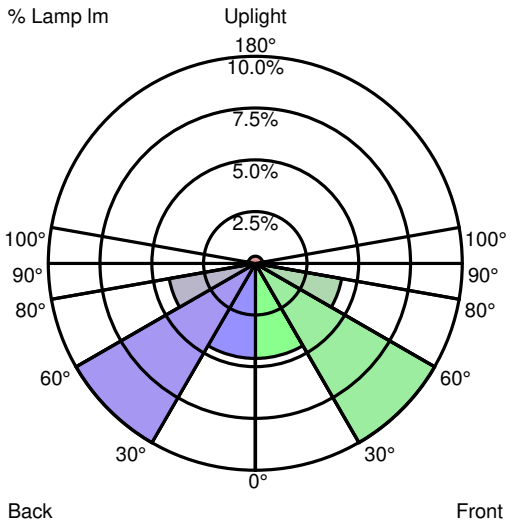
Spread	23.8° Estrecho	DLOR	39.39352 %
Throw	22.4° Corto	ULOR	0.86082 %
SLI (deslumbramiento)	6.9 Concentrado	Rendimiento	40.25434 %
Cutoff CIE	Semi Cutoff - Max: C=0.0° Gamma=30.0°	RN	2.13844 %
Cutoff Iesna	Cutoff	Clase de Intensidad Luminosa	G3
DIN5044	KB2	Índice de Deslumbramiento	D6

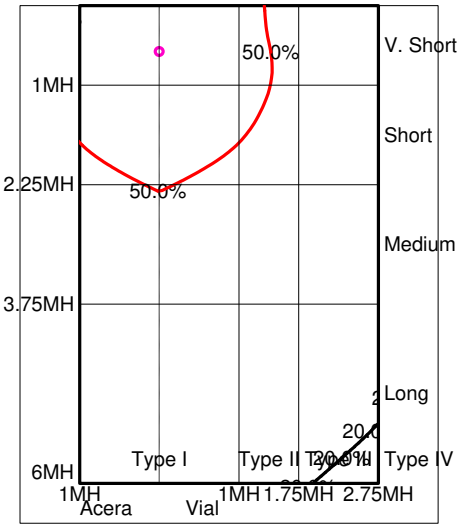
IESNA Type II Very Short Asymmetrical

Luminaire
Code PX-0142-NEG
Name Apliq. FORD1x23W TC-TEL opal
Measurem.
Code PX-0142-NEG
Name Apliq. FORD1x23W TC-TEL opal

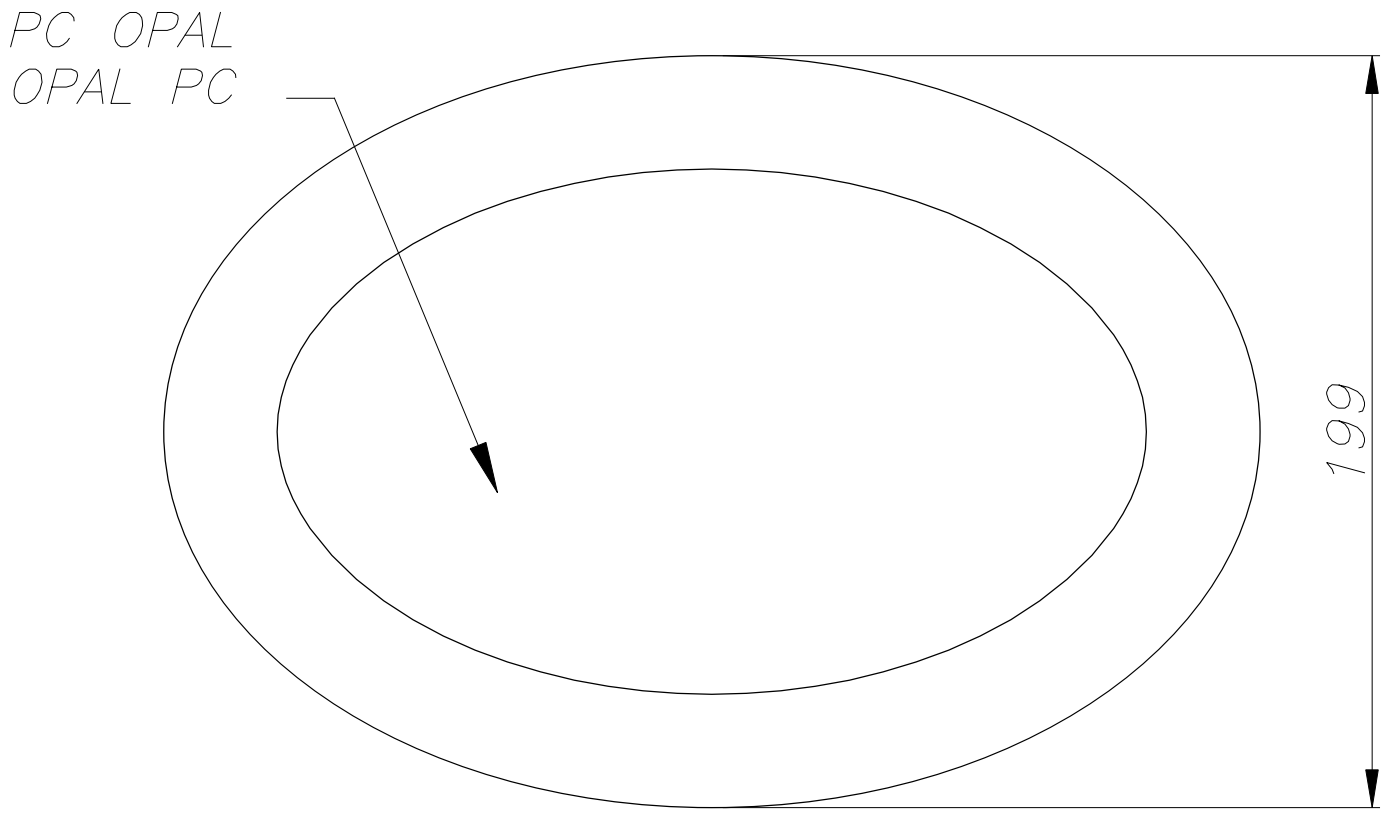
Luminaire Flux	523.31 lm	Luminaire Power	23.00 W	Efficacy	22.75 lm/W	Efficiency	40.25%
Lamps Flux	1300.00 lm	Maximum value	156.72 cd	Position	C=0.00 G=30.00	CG	Double Symmetrical

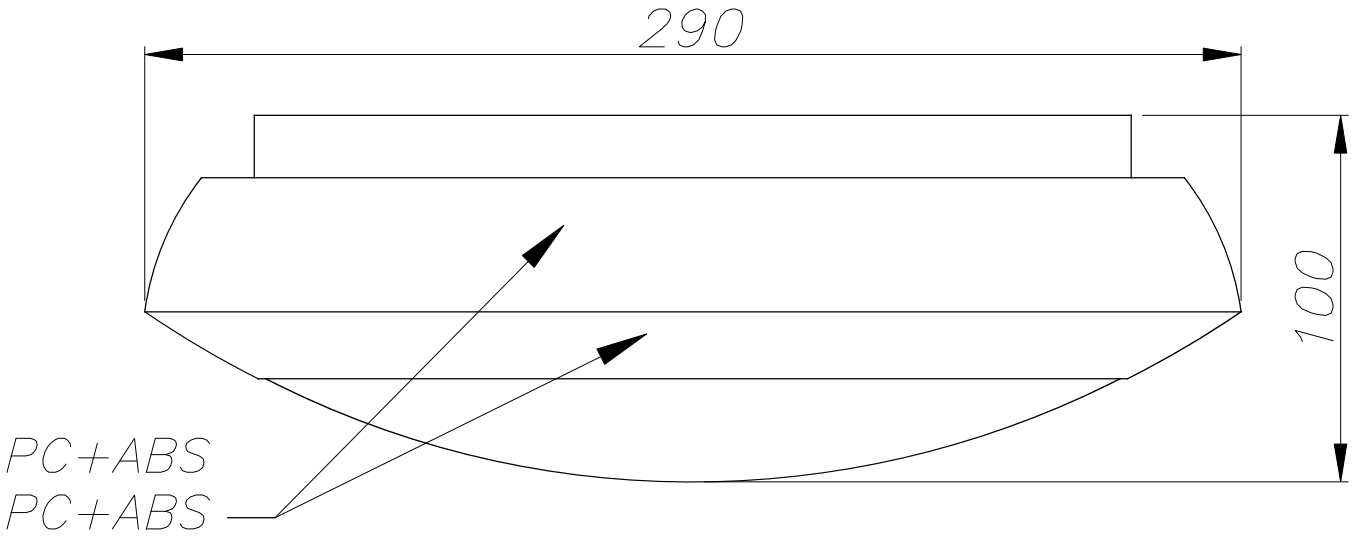
US ROAD STANDARDS

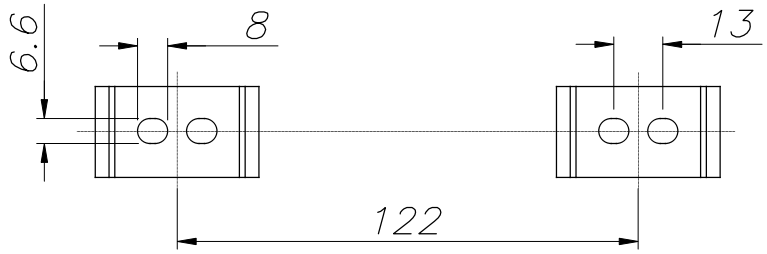




Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	59.9 lm	4.6 %	11.4 %
FM	30° -- 60°	130.5 lm	10.0 %	24.9 %
FH	60° -- 80°	55.2 lm	4.2 %	10.5 %
FVH	80° -- 90°	10.6 lm	0.8 %	2.0 %
BL	0° -- 30°	59.9 lm	4.6 %	11.4 %
BM	30° -- 60°	130.5 lm	10.0 %	24.9 %
BH	60° -- 80°	55.2 lm	4.2 %	10.5 %
BVH	80° -- 90°	10.6 lm	0.8 %	2.0 %
UL	90° -- 100°	6.3 lm	0.5 %	1.2 %
UH	100° -- 180°	4.6 lm	0.4 %	0.9 %
TOTALS		523.3 lm	40.3 %	100.0 %
BUG B0 U1 G1 Type II Very Short Asymmetrical				



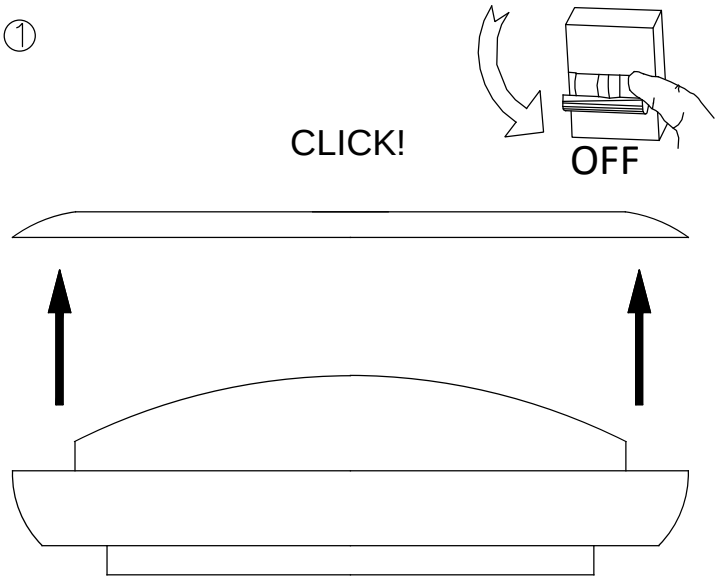




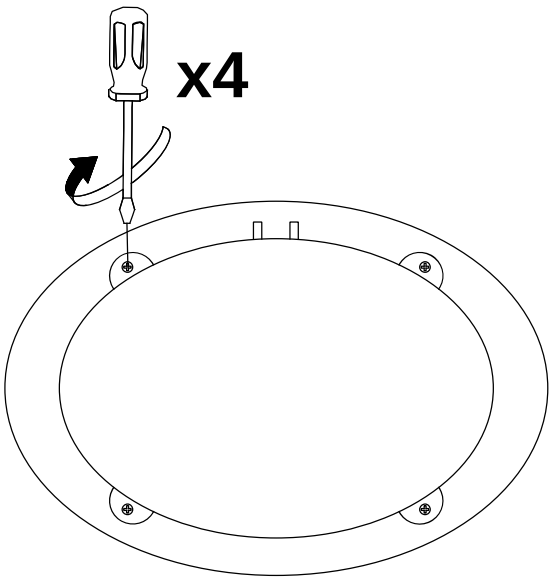
PLANTILLA DE INSTALACIÓN
INSTALLATION TEMPLATE

PX-0142

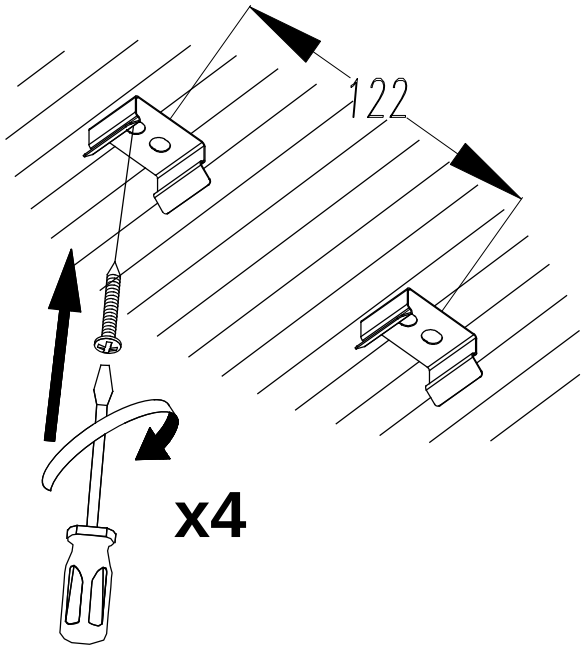
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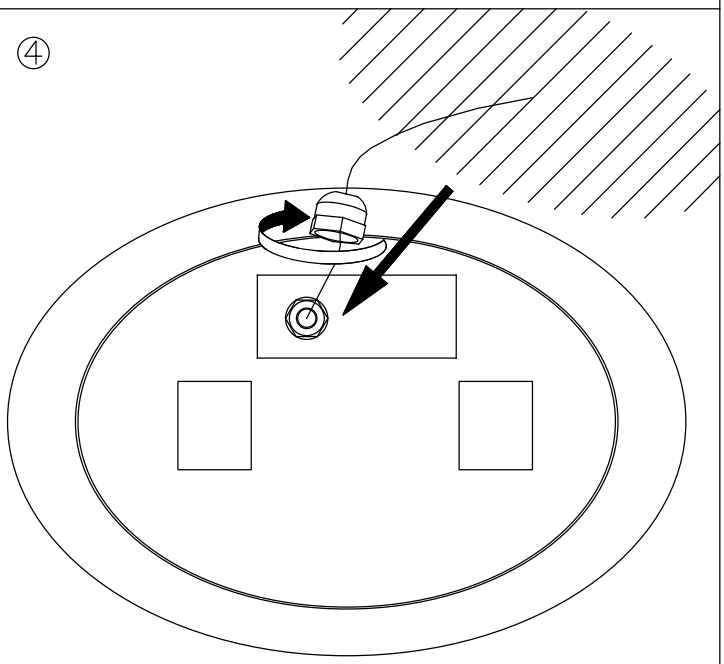
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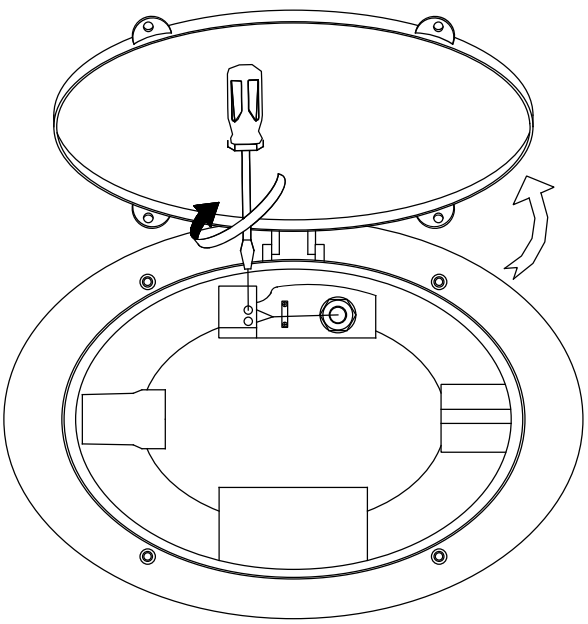
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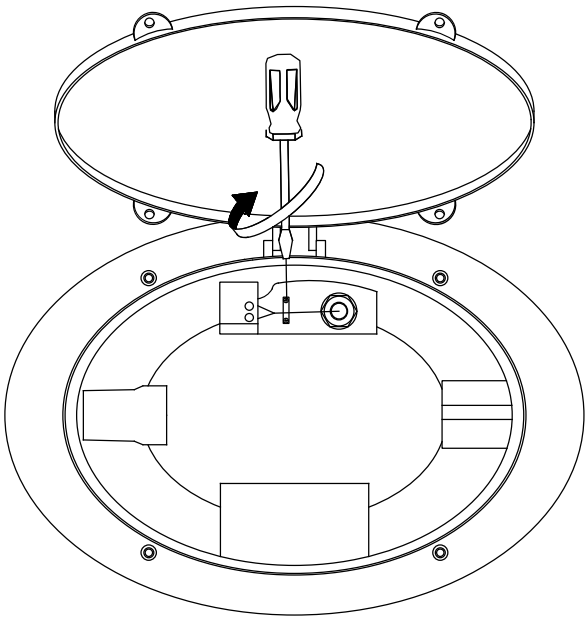
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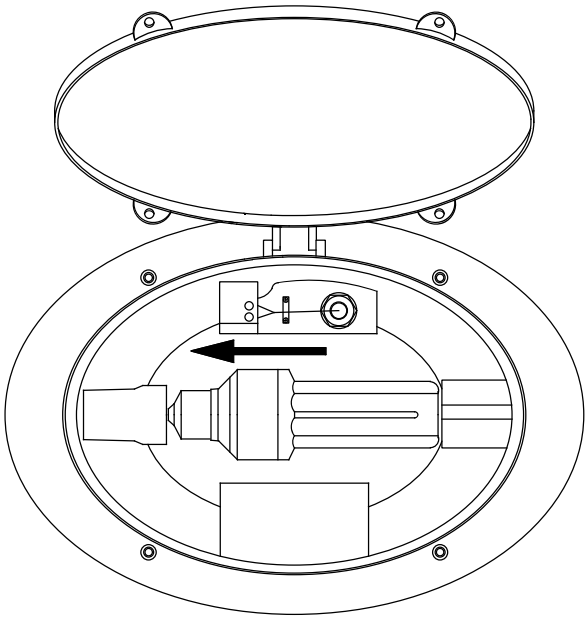


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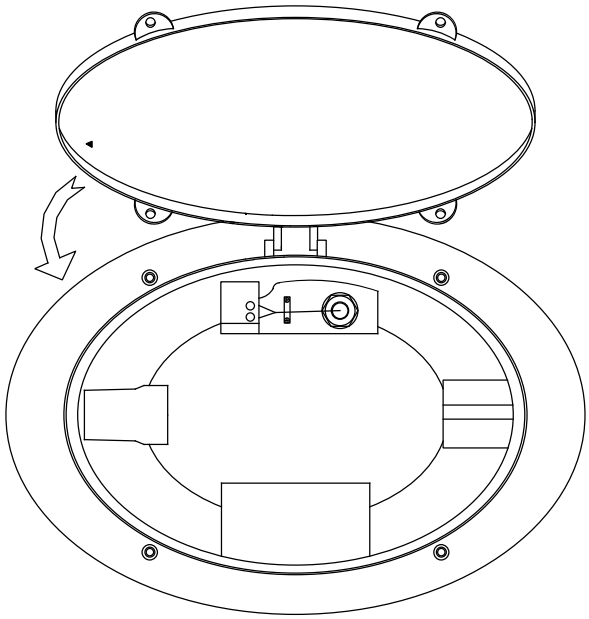


23-12-15

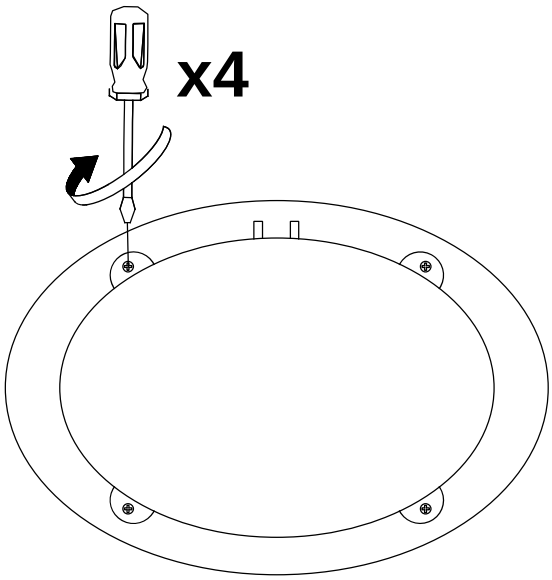
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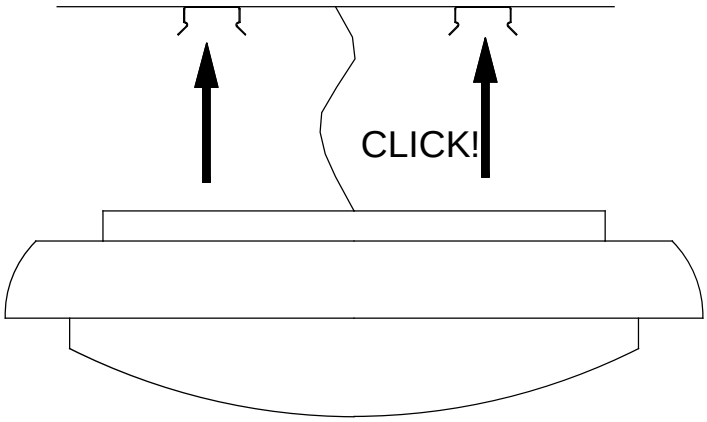
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⑪

