



### Description

Downlight for indoor use.

For downlighting. Indirect lighting effect. Structure material: Aluminium. Structure finish: Matt white. Diffuser material: Glass. Diffuser finish: Transparent. Warranty: 5 Years.

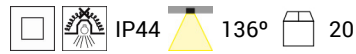
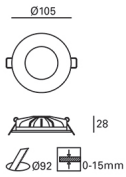
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### Finish

Matt white  
Transparent

### Material

Aluminium  
Glass



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### TECHNICAL CHARACTERISTICS

#### Light source

Light source: LED SUNPU  
Output (W): 6.5W  
Total power consumption (W): 7,8W  
Color temperature: Warm White - 3000K  
CRI: 80  
Photobiological risk: RG0  
Real Lumen: 394  
Qty Leds: 24  
Lm/Real W: 51  
Life Time: 36.000 L70B30  
Bin / Grup: Wi9 o Wi10  
UGR: 26.4

#### GEAR

Brand: WEHOLD  
Gear included: Yes, electronic  
Voltage / Frequency: 100-240 VAC  
Power Factor: 0.86

#### Luminaire

Warranty: 5 Years

#### Logistics

Energy Efficiency: LED A++  
EAN Code: 8435381449179  
Net Weight (Kg): 0.170  
Weight in Kg (packaged): 0.258  
Packing: 125 x 60 x 130  
Masterbox: 20

**Luminaire**

Code TC-0175-BLA  
 Name Downlight led 6.5W dif. opal

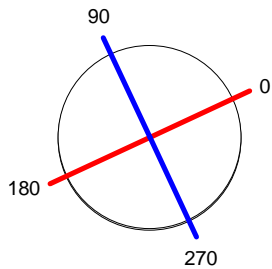
**Measur.**

Code TC-0175-BLA  
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Luminaire Flux	394.41 lm	Luminaire Power	7.00 W	Efficacy	56.34 lm/W	Efficiency	100.00%
Lamps Flux	394.41 lm	Maximum value	278.04 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam.	105 mm	Height	2 mm		
		Diam.	58 mm	Height	0 mm		
Horizontal Luminous Area	0.002642 m2			Emitting area on Plane 180°	0.000000 m2		
Emitting area on Plane 0°	0.000000 m2			Emitting area on Plane 270°	0.000000 m2		
Emitting area on Plane 90°	0.000000 m2			Glare area at 76°	0.000639 m2		
Coordinate system	CG			Symmetry Type	Double Symmetrical		
Date	04-05-2016			Maximum Gamma Angle	90		
Measurement Distance	0.00			Measurement Flux	394.41 lm		
Operator	Asselum T3			Source Voltage [V]			
Temperature	25.00 °C			Source current [A]			
Humidity	60.00 %			Photocell			
Notes							

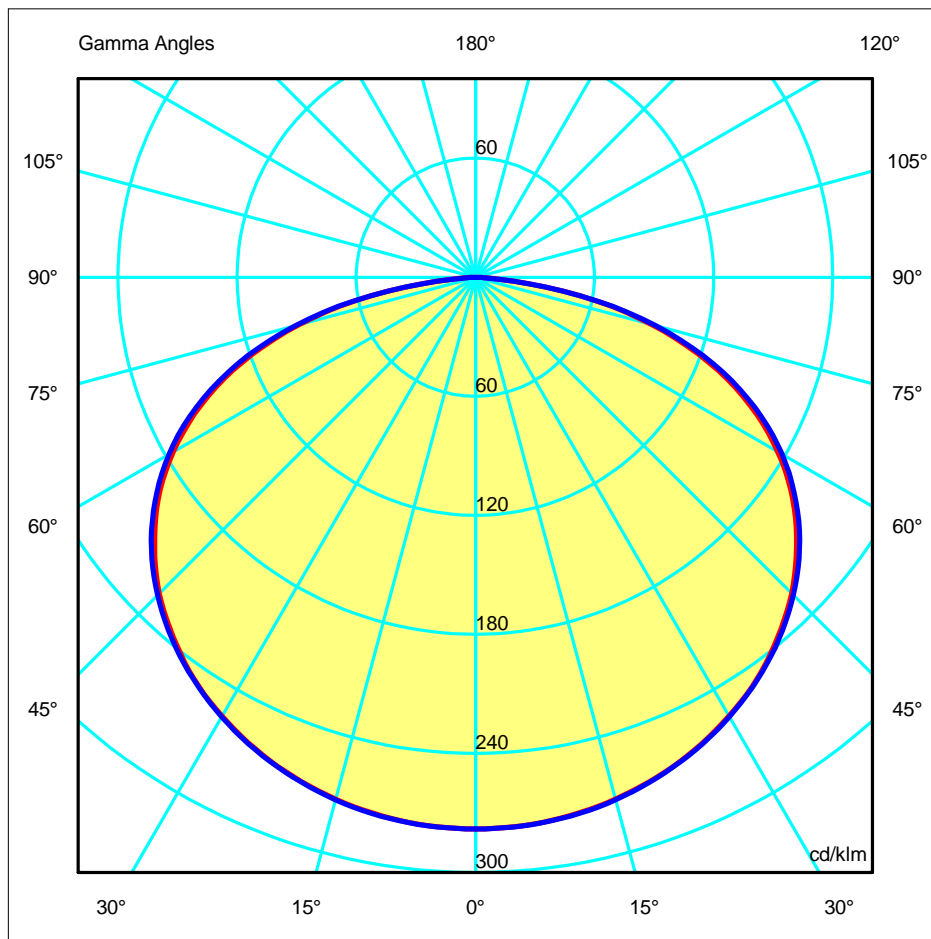
Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		TC-0175-BLA	Name	TC-0175-BLA	394.41	7.00	1
C.I.E.	40 73 94 100 100		D DIN 5040		A20		
F UTE	1.00 G		B NBN		BZ 5		

Diam=105mm



C Halfplanes  
 180.0 — 0.0  
 270.0 — 90.0

ULOR 0.00 %  
 DLOR 100.00 %  
 RN 0.00 %



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**Luminous Intensity Table cd/klm Table 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	278.04	278.04	278.04	278.04	278.04	278.04	278.04
G 5.0	277.41	277.40	277.36	277.41	277.49	277.38	277.44
G 10.0	275.43	275.58	275.54	275.57	275.55	275.53	275.69
G 15.0	272.24	272.54	272.49	272.51	272.55	272.43	272.61
G 20.0	267.91	268.17	268.13	268.24	268.15	268.19	268.13
G 25.0	262.28	262.56	262.47	262.62	262.55	262.56	262.64
G 30.0	255.28	255.67	255.61	255.70	255.64	255.78	255.74
G 35.0	247.15	247.44	247.32	247.53	247.37	247.61	247.47
G 40.0	236.76	237.43	237.37	237.67	237.63	237.75	237.89
G 45.0	225.24	225.68	225.71	226.11	226.05	226.56	226.43
G 50.0	211.04	211.75	211.88	212.52	212.86	213.03	213.09
G 55.0	195.12	195.40	195.83	196.50	196.62	197.18	197.07
G 60.0	175.78	175.95	176.30	177.06	177.68	178.03	178.28
G 65.0	152.66	152.99	153.17	154.24	154.39	155.22	155.24
G 70.0	124.88	125.21	125.03	126.15	126.62	127.90	127.44
G 75.0	91.73	91.88	91.51	93.02	93.06	94.09	94.04
G 80.0	53.38	53.04	53.20	54.11	53.75	55.00	53.81
G 85.0	14.59	14.44	14.24	14.65	13.66	13.86	13.14
G 90.0	2.20	2.08	2.05	2.23	2.20	2.34	2.36

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**Measur.**

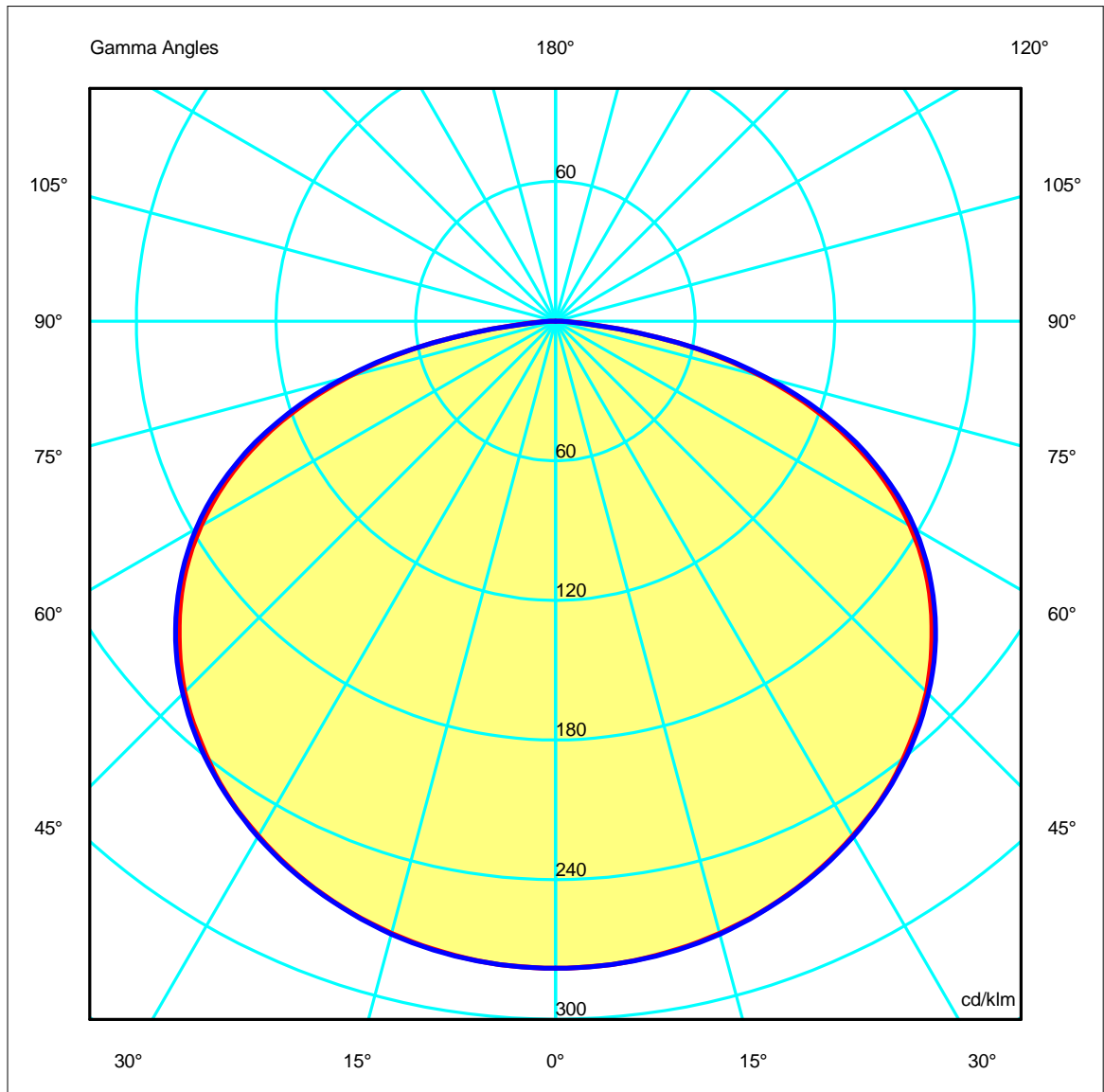
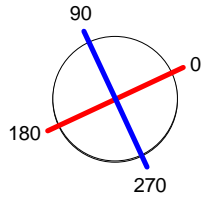
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Diam=105mm

C Halfplanes

180.0 ——— 0.0  
270.0 ——— 90.0



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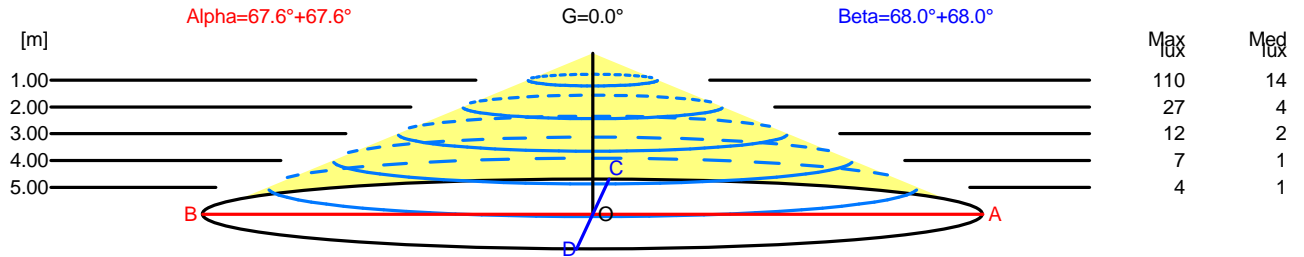
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Width at 50.00 % of Max Intensity

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	2.42	4.84	7.27	9.69	12.11	OC	2.48	4.96	7.44	9.91	12.39
OB	2.42	4.84	7.27	9.69	12.11	OD	2.48	4.96	7.44	9.91	12.39

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	109.66	109.41	107.37	103.45	97.48	88.84	76.96	60.21	36.18	5.76
OB	109.66	109.41	107.37	103.45	97.48	88.84	76.96	60.21	36.18	5.76
OC	109.66	109.43	107.52	103.59	97.61	89.31	77.73	61.23	37.09	5.18
OD	109.66	109.43	107.52	103.59	97.61	89.31	77.73	61.23	37.09	5.18



H[m]	D[m]	Max lux	Med lux	Alpha=67.6°+67.6°	G=0.0
1.00	4.84	110	14		
2.00	9.69	27	4		
3.00	14.53	12	2		
4.00	19.38	7	1		
5.00	24.22	4	1		

H[m]	D[m]	Max lux	Med lux	Beta=68.0°+68.0°	G=0.0
1.00	4.96	110	14		
2.00	9.91	27	4		
3.00	14.87	12	2		
4.00	19.83	7	1		
5.00	24.78	4	1		

**Luminaire**

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**Measurement**

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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	26.4	27.9	26.7	28.1	28.4	26.5	27.9	26.8	28.2	28.4
x=2H y=3H	28.6	29.9	28.9	30.1	30.5	28.7	30.0	29.0	30.2	30.5
x=2H y=4H	29.4	30.7	29.8	31.0	31.4	29.5	30.8	29.9	31.1	31.4
x=2H y=6H	30.1	31.2	30.4	31.5	31.9	30.2	31.3	30.5	31.6	31.9
x=2H y=8H	30.2	31.3	30.6	31.6	32.1	30.3	31.4	30.7	31.7	32.1
x=2H y=12H	30.3	31.3	30.6	31.6	32.1	30.4	31.4	30.7	31.7	32.1
x=4H y=2H	27.4	28.6	27.7	28.9	29.3	27.4	28.7	27.8	29.0	29.3
x=4H y=3H	29.7	30.7	30.1	31.0	31.5	29.7	30.8	30.1	31.1	31.5
x=4H y=4H	30.7	31.6	31.1	31.9	32.4	30.8	31.7	31.2	32.0	32.4
x=4H y=6H	31.4	32.2	31.8	32.6	33.1	31.5	32.3	31.9	32.7	33.1
x=4H y=8H	31.6	32.3	32.0	32.7	33.3	31.7	32.5	32.1	32.8	33.3
x=4H y=12H	31.7	32.3	32.1	32.8	33.3	31.8	32.4	32.2	32.9	33.3
x=8H y=4H	31.1	31.9	31.5	32.3	32.8	31.2	32.0	31.6	32.3	32.8
x=8H y=6H	32.0	32.6	32.4	33.0	33.6	32.1	32.7	32.5	33.1	33.6
x=8H y=8H	32.2	32.8	32.7	33.2	33.8	32.3	32.9	32.8	33.3	33.8
x=8H y=12H	32.3	32.8	32.8	33.3	33.9	32.4	32.9	32.9	33.4	33.9
x=12H y=4H	31.2	31.8	31.6	32.3	32.8	31.2	31.9	31.7	32.3	32.8
x=12H y=6H	32.0	32.6	32.5	33.0	33.6	32.1	32.7	32.6	33.1	33.6
x=12H y=8H	32.3	32.8	32.8	33.3	33.9	32.4	32.9	32.9	33.4	33.9

**Luminaire**

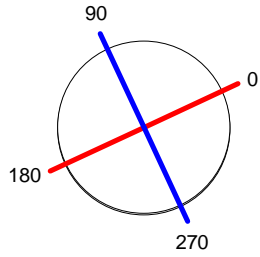
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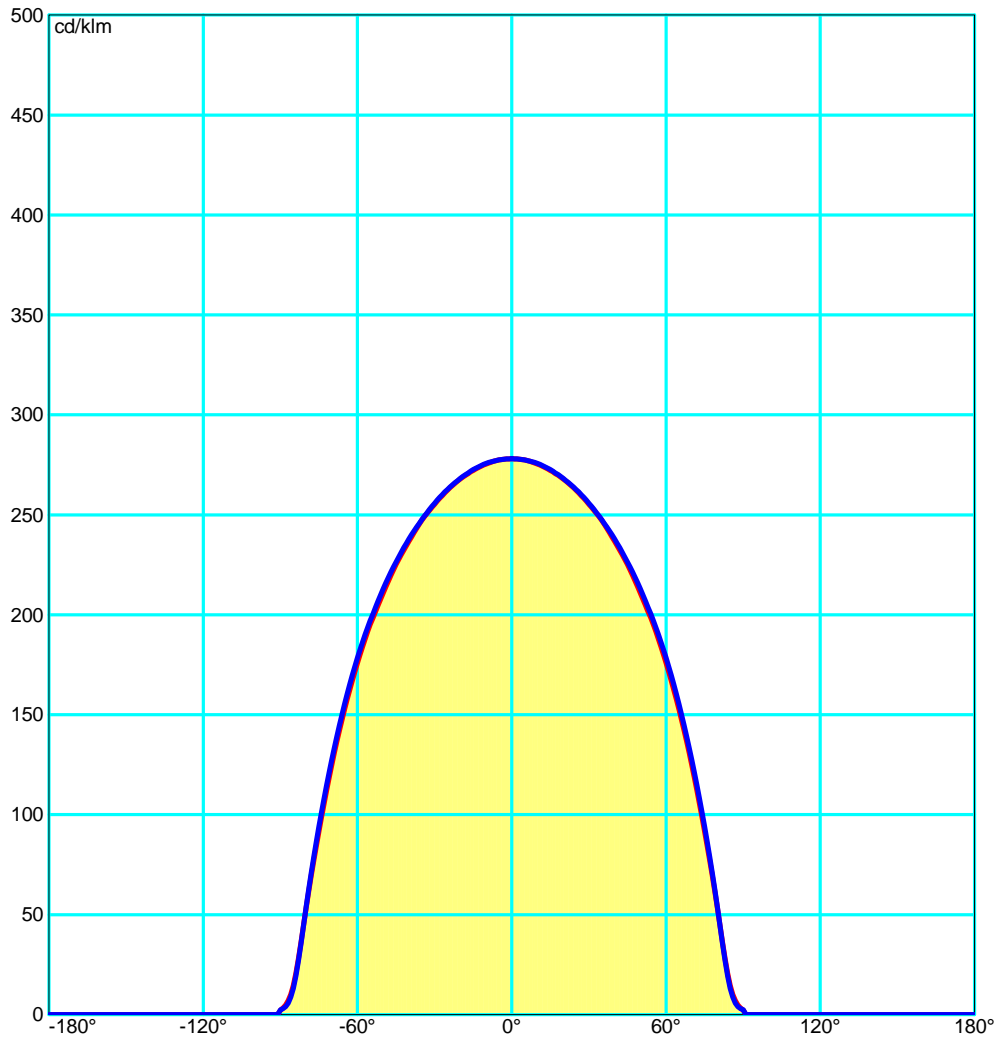
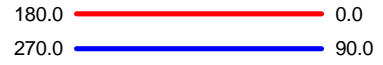
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Diam=105mm



C Halfplanes



**Luminaire**

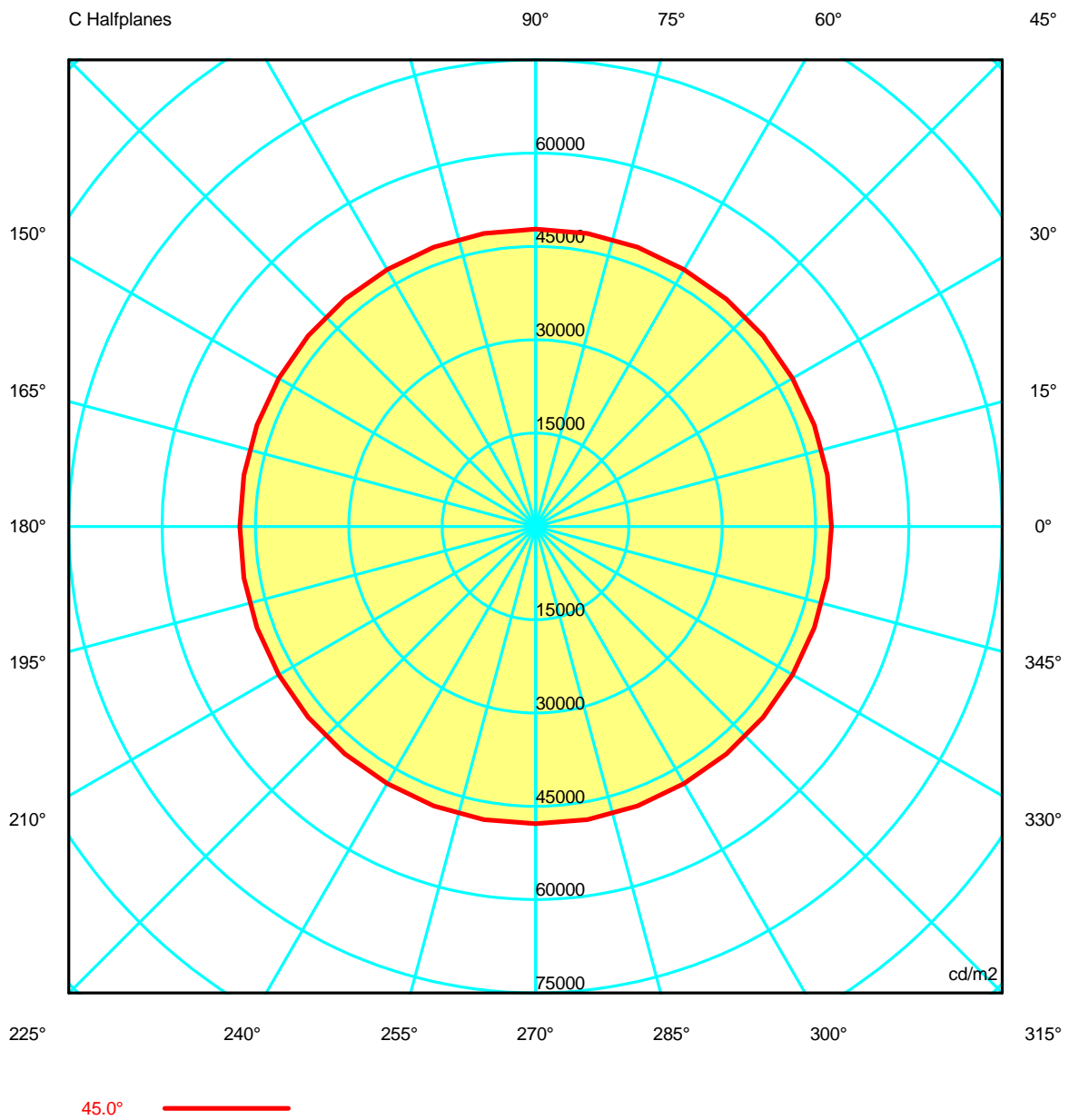
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Luminance











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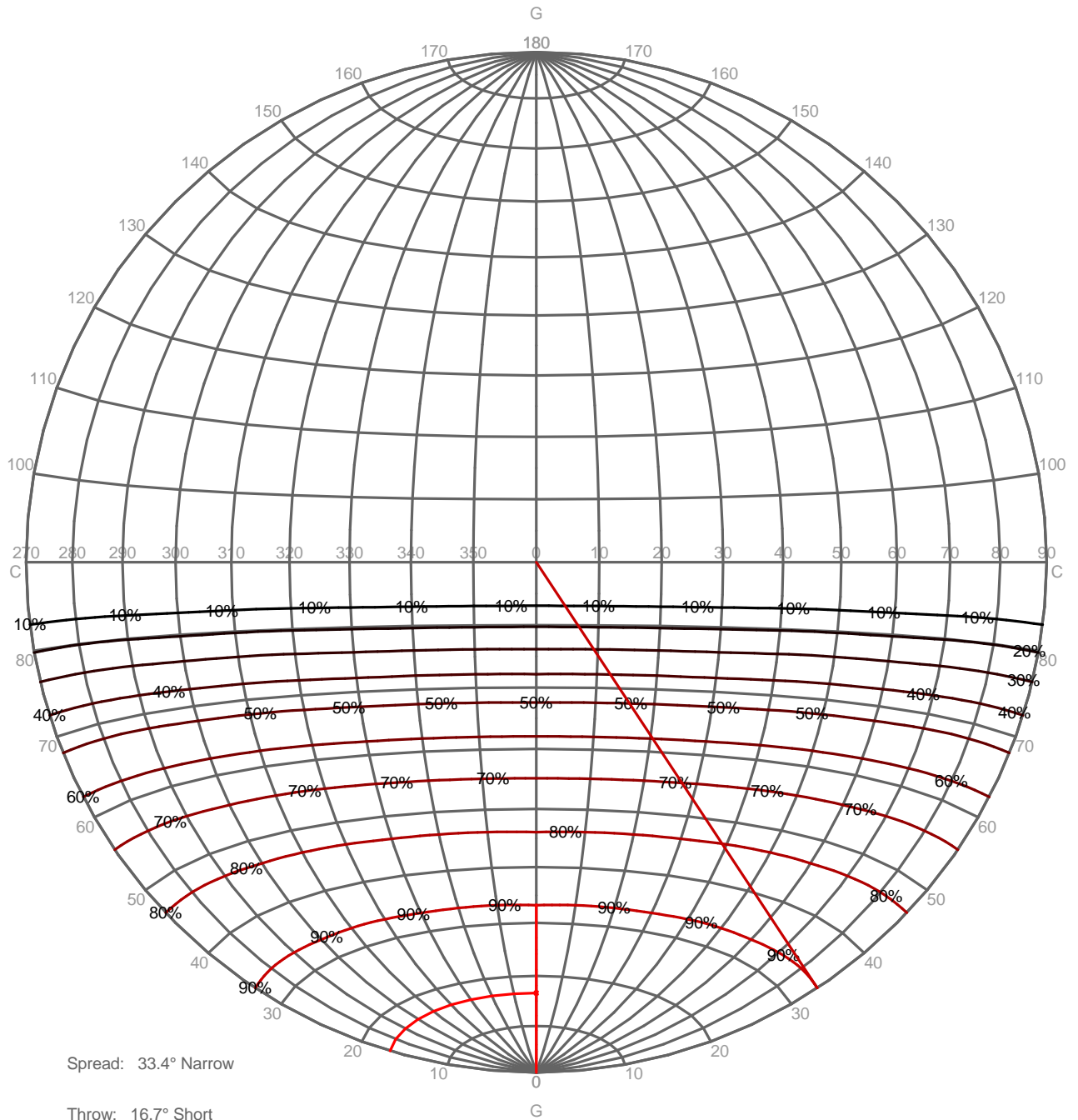
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**PERCENTAGE ISOCANDLES**

Projection: Equal Area SLI (glare) 6.6 Tight Tilting Angle:0°



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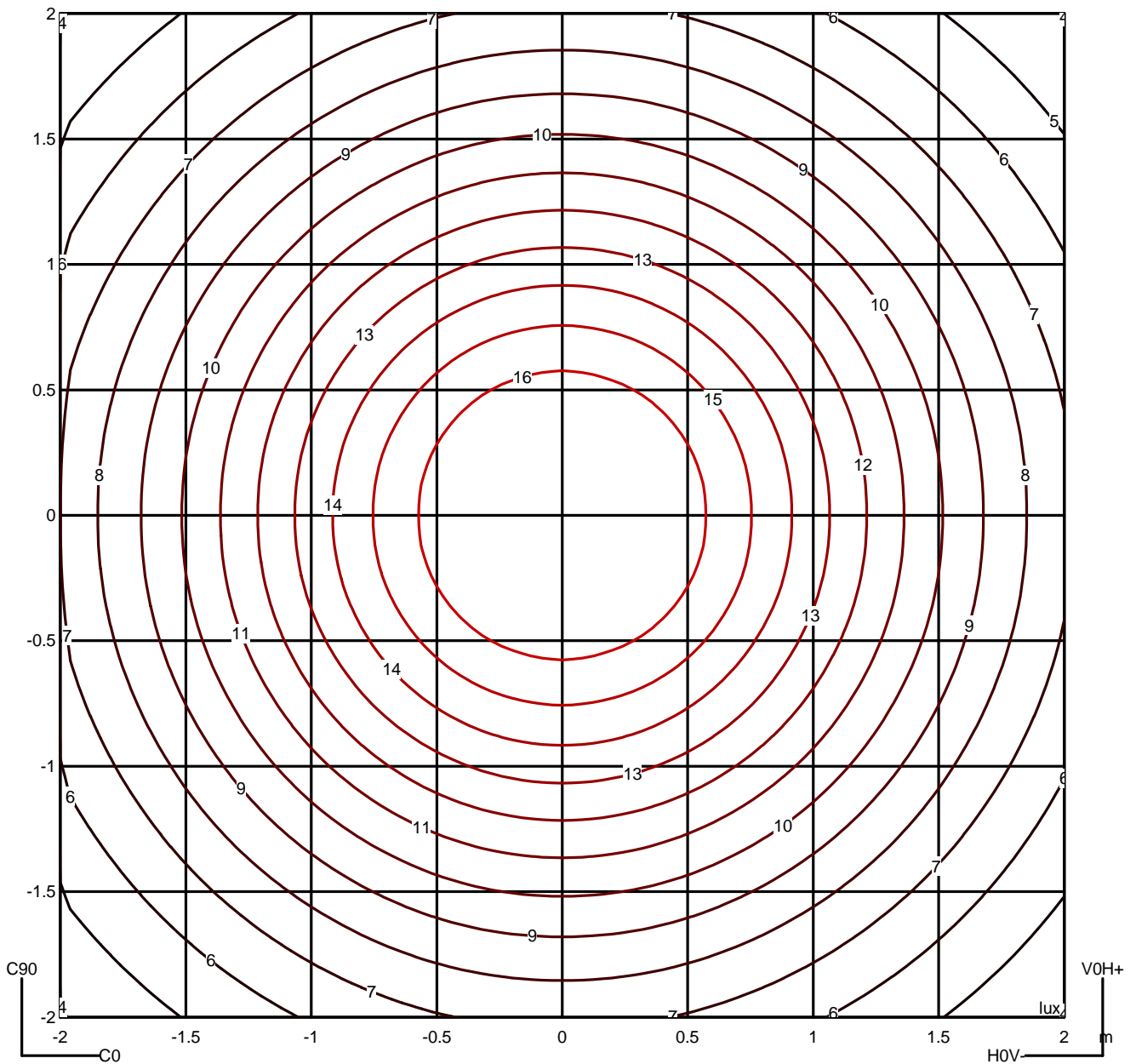
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Isolux (Floor)

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



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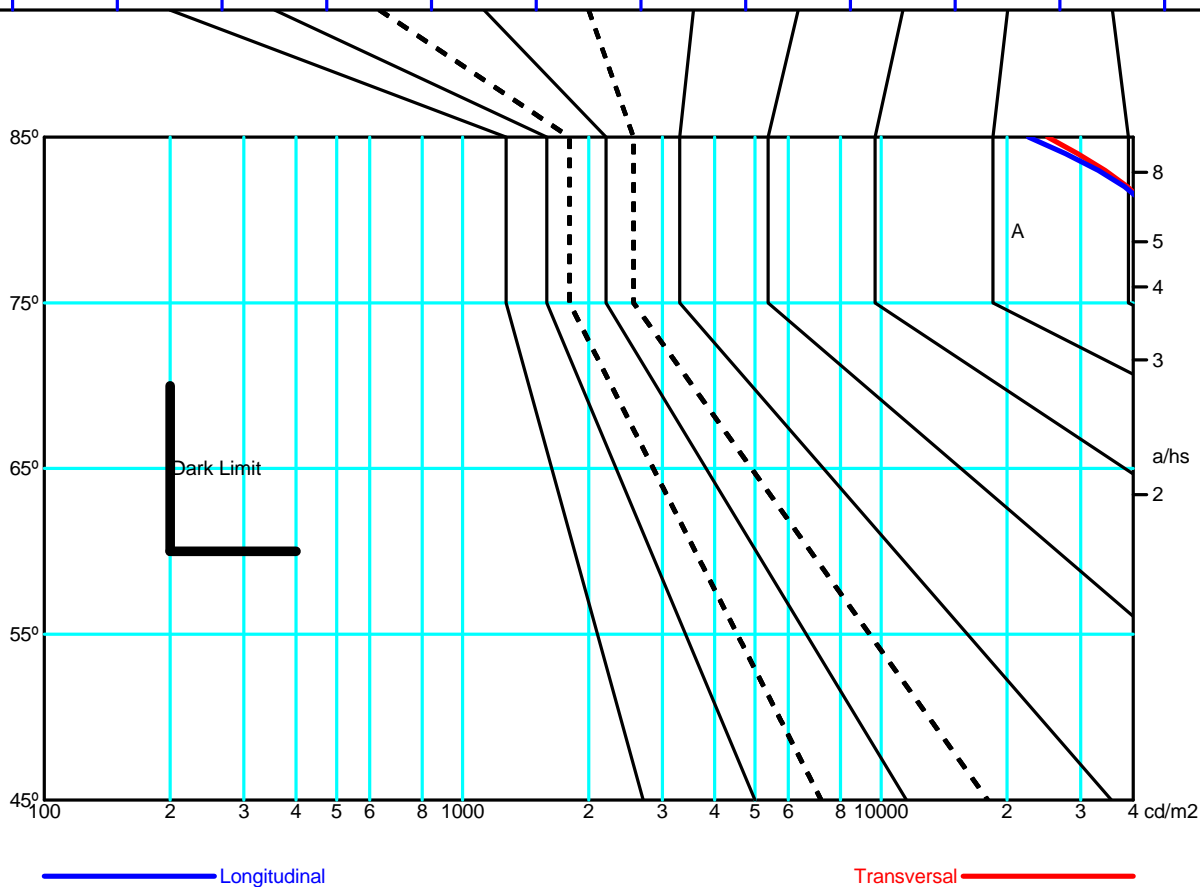
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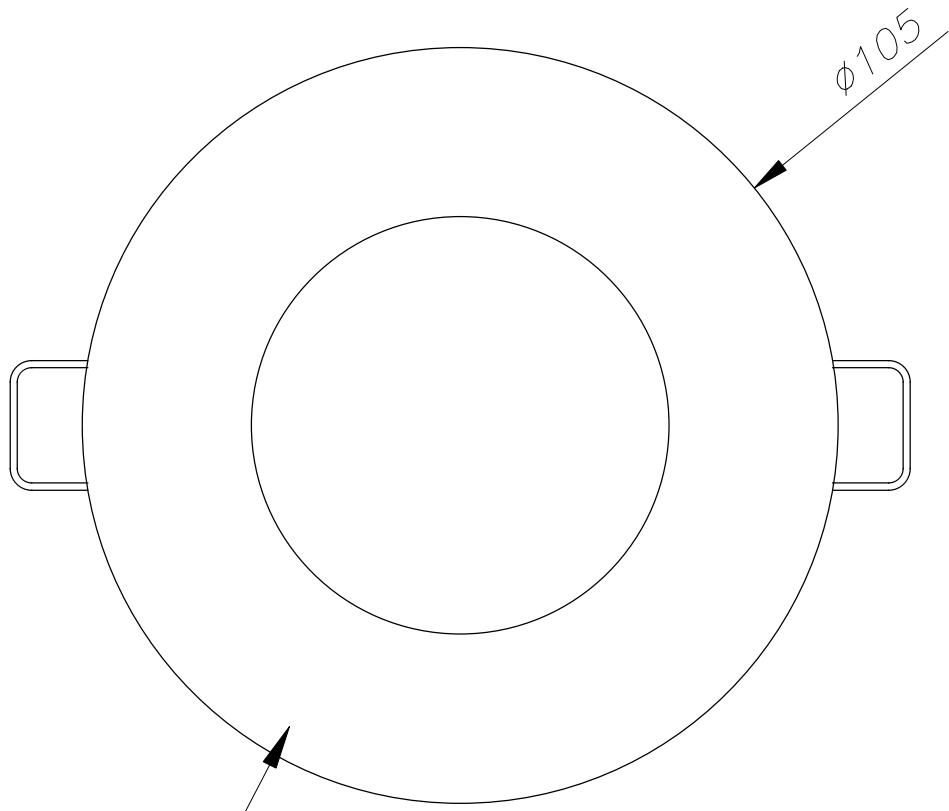
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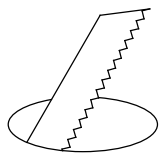
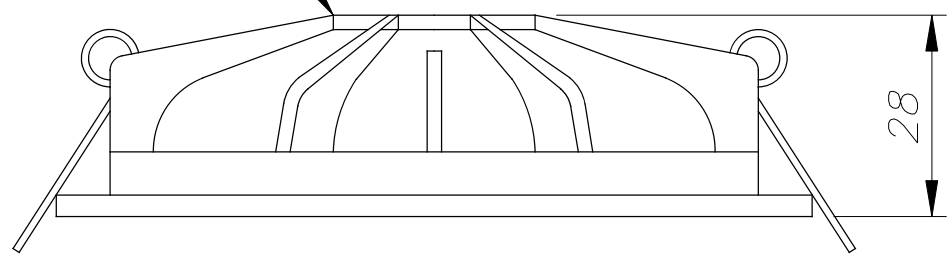
		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	47552	49012	50782	52481	53924	54504	52909	45893	24994	---	
90.0°	47802	49488	51289	53227	54834	55622	54240	46259	22507	---	

Flush mounted or longitudinal view												
		Illumination(Ix)										
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

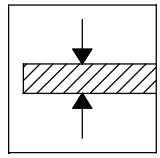




ALUMINIO INYECTADO  
INJECTED ALUMINIUM

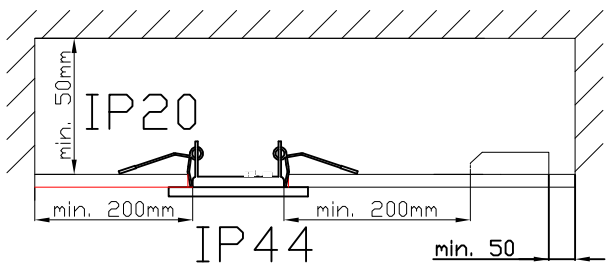
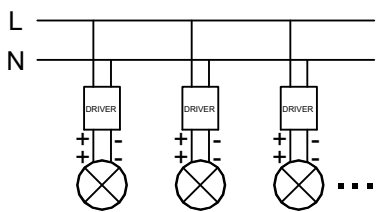


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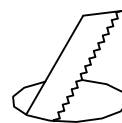
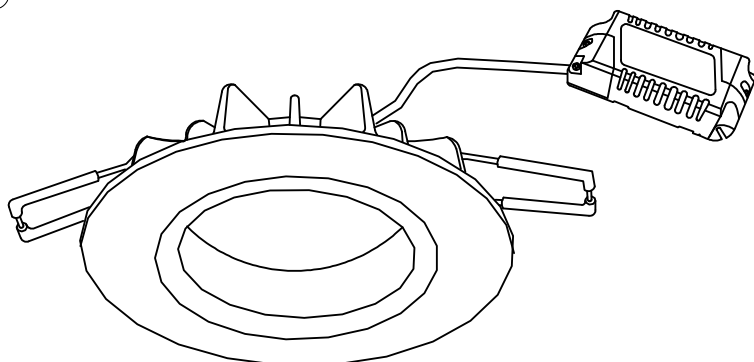


0-15mm

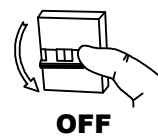
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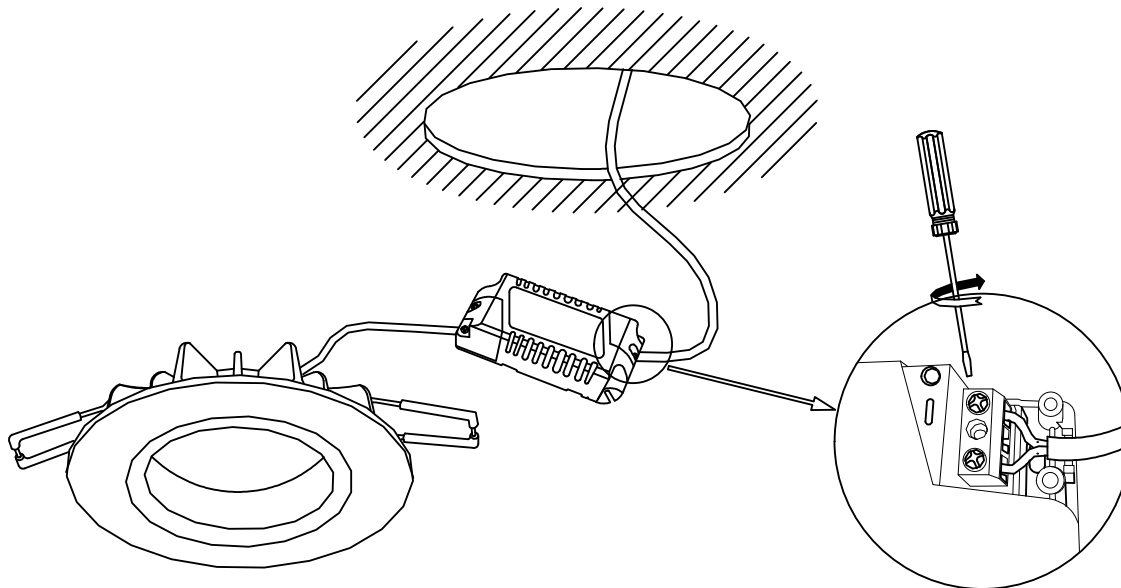
①



Ø92mm



②



③

