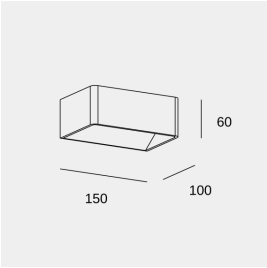
Installation Instructions
Photometry

Toppi 150mm

DE-0231-BLA

Surface-mounted wall light Toppi 150mm LED 5.8W 3000K ON-OFF White 530.00



TECHNICAL FEATURES

IP20

Luminaire total power : 5.8W

Real lumens : 399

Nominal lumens : 530

Real lm/W : 69

Lens / reflector angle : HORIZONTAL 138°

UGR : <=16

Structure material : Aluminium

Structure finish : White

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

Dimming protocol : ON-OFF

Power Factor : 0.90

Useful life : 36.000h L70B30

Warranty : 5 Years

Easily recyclable luminaire

LUMINOTECHNIC FEATURES

CRI: 80

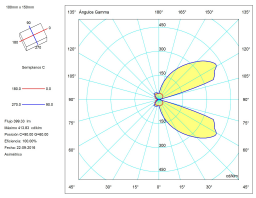
MacAdam steps: 3

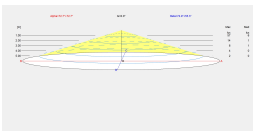
Photobiological risk: RG0

UGR

UGR crosswise: 15.3

UGR lengthwise: 4.4





Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
LED	1	4.7W	3000K

LOGISTICS

Net weight (kg): 0.51

Packaged weight (kg): 0.61

Packaging: 155mm x 65mm x 105mm

20 Un

LIGHT APPLICATION

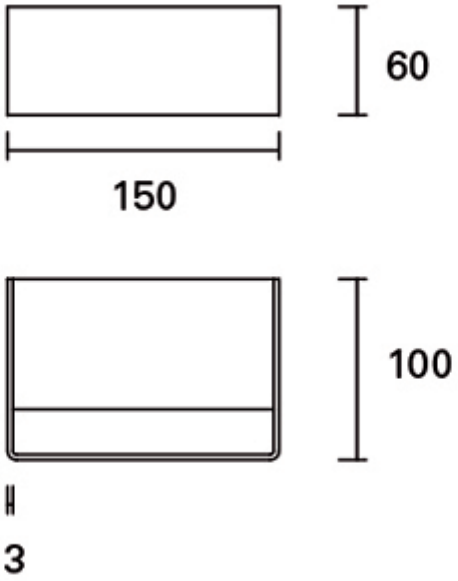


Image may not match reference. LEDS C4 reserves the right to amend any of the product's components. The data related to flux, power and colour temperature are subject to a tolerance of ±10%.

Luminaire
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K
Measurem.
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K

Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Rectangular Luminaire	Length	100 mm	Width	150 mm	Height	60 mm
Rectangular Luminous Area	Length	95 mm	Width	140 mm	Height	60 mm

Horizontal Luminous Area	0.013300 m2	Emitting area on Plane 180°	0.005700 m2
Emitting area on Plane 0°	0.005700 m2	Emitting area on Plane 270°	0.008400 m2
Emitting area on Plane 90°	0.008400 m2	Glare area at 76°	0.008748 m2

Coordinate system	CG	Symmetry Type	Asymmetrical
Date	22-09-2016	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	399.33 lm

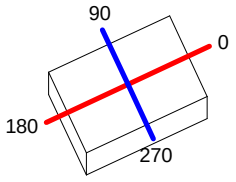
Operator	Asselum T2	Source Voltage [V]	
Temperature	25.00 °C	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	DE-0231-BLA	DE-0231-BLA - 6.00 W	399.33	6.00	1

C.I.E.	27 68 96 50 100	D DIN 5040	C11
F UTE	0.50 I + 0.50 T	B NBN	BZ 7 / 1 / BZ 6 / 2.5 / BZ 5

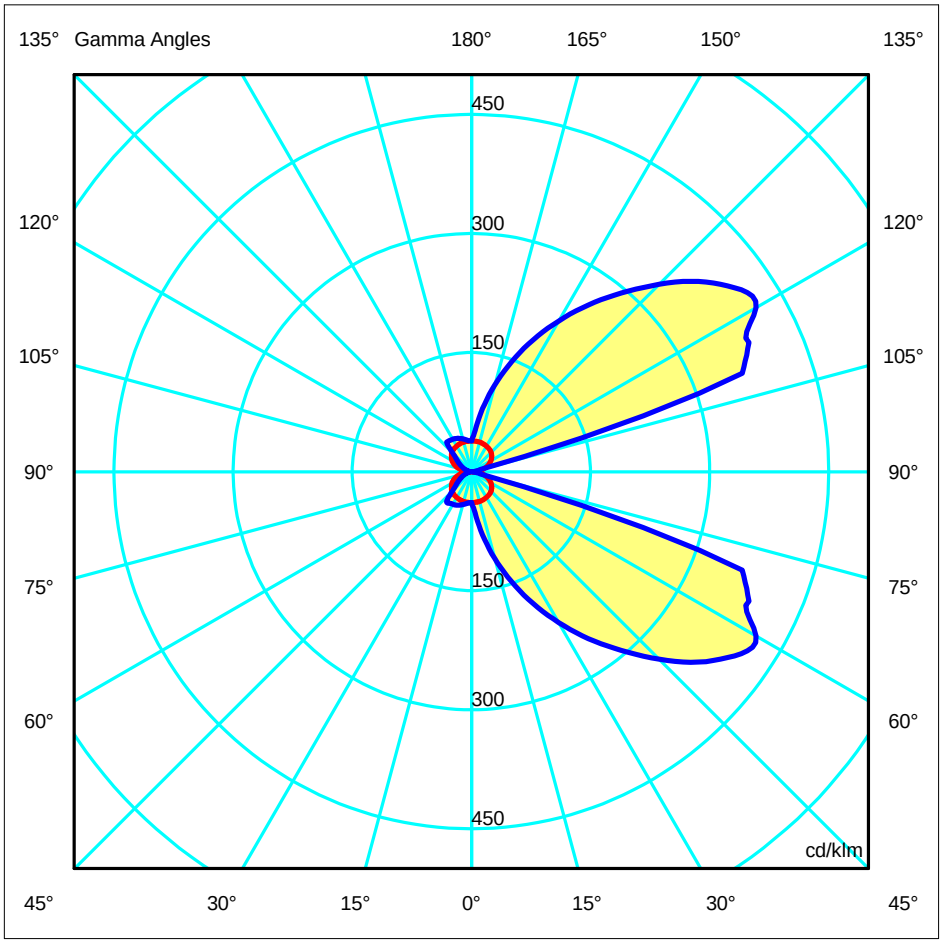
100mm x 150mm



C Halfplanes

180.0 — 0.0

270.0 — 90.0



ULOR	50.00 %
DLOR	50.00 %
RN	50.00 %

Luminaire
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K
Measurem.
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K

Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminous Intensity Table cd/klm **Table 1/1**

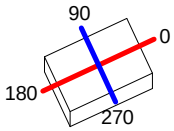
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00
G 0.0	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85
G 5.0	38.83	42.29	45.50	48.26	50.37	51.70	52.14	51.70	50.37	48.26	45.50	42.29
G 10.0	38.81	45.80	52.27	63.77	72.79	78.62	80.76	78.62	72.79	63.77	52.27	45.80
G 15.0	38.79	49.54	66.05	83.69	99.19	109.18	112.94	109.18	99.19	83.69	66.05	49.54
G 20.0	38.43	53.89	79.52	106.19	127.98	142.56	147.38	142.56	127.98	106.19	79.52	53.89
G 25.0	37.91	60.85	95.47	130.18	158.13	177.01	183.27	177.01	158.13	130.18	95.47	60.85
G 30.0	37.32	67.06	111.24	154.11	188.99	211.64	219.33	211.64	188.99	154.11	111.24	67.06
G 35.0	36.70	72.06	126.00	179.66	219.72	246.61	256.49	246.61	219.72	179.66	126.00	72.06
G 40.0	35.90	75.86	137.22	201.95	253.38	283.13	293.91	283.13	253.38	201.95	137.22	75.86
G 45.0	34.74	79.22	147.33	220.25	284.70	320.27	333.90	320.27	284.70	220.25	147.33	79.22
G 50.0	33.09	81.44	156.23	238.29	313.19	356.05	373.12	356.05	313.19	238.29	156.23	81.44
G 55.0	30.94	80.67	160.80	250.12	336.61	383.44	404.25	383.44	336.61	250.12	160.80	80.67
G 60.0	28.33	74.45	155.64	253.61	340.98	390.91	413.83	390.91	340.98	253.61	155.64	74.45
G 65.0	25.25	60.53	132.60	236.52	321.94	378.88	385.46	378.88	321.94	236.52	132.60	60.53
G 70.0	21.64	41.56	89.10	175.74	234.94	291.73	362.64	291.73	234.94	175.74	89.10	41.56
G 75.0	17.37	23.23	40.76	81.58	84.18	49.34	12.10	49.34	84.18	81.58	40.76	23.23
G 80.0	12.41	10.97	8.80	3.55	16.25	7.93	7.06	7.93	16.25	3.55	8.80	10.97
G 85.0	6.95	4.51	10.27	5.38	4.37	3.84	1.45	3.84	4.37	5.38	10.27	4.51
G 90.0	1.23	1.12	1.09	1.07	1.07	1.09	0.64	1.09	1.07	1.07	1.09	1.12
G 95.0	6.95	4.51	10.27	5.38	4.37	3.84	1.45	3.84	4.37	5.38	10.27	4.51
G100.0	12.41	10.97	8.80	3.55	16.25	7.93	7.06	7.93	16.25	3.55	8.80	10.97
G105.0	17.37	23.23	40.76	81.58	84.18	49.34	12.10	49.34	84.18	81.58	40.76	23.23
G110.0	21.64	41.56	89.10	175.74	234.94	291.73	362.64	291.73	234.94	175.74	89.10	41.56
G115.0	25.25	60.53	132.60	236.52	321.94	378.88	385.46	378.88	321.94	236.52	132.60	60.53
G120.0	28.33	74.45	155.64	253.61	340.98	390.91	413.83	390.91	340.98	253.61	155.64	74.45
G125.0	30.94	80.67	160.80	250.12	336.61	383.44	404.25	383.44	336.61	250.12	160.80	80.67
G130.0	33.09	81.44	156.23	238.29	313.19	356.05	373.12	356.05	313.19	238.29	156.23	81.44
G135.0	34.74	79.22	147.33	220.25	284.70	320.27	333.90	320.27	284.70	220.25	147.33	79.22
G140.0	35.90	75.86	137.22	201.95	253.38	283.13	293.91	283.13	253.38	201.95	137.22	75.86
G145.0	36.70	72.06	126.00	179.66	219.72	246.61	256.49	246.61	219.72	179.66	126.00	72.06
G150.0	37.32	67.06	111.24	154.11	188.99	211.64	219.33	211.64	188.99	154.11	111.24	67.06
G155.0	37.91	60.85	95.47	130.18	158.13	177.01	183.27	177.01	158.13	130.18	95.47	60.85
G160.0	38.43	53.89	79.52	106.19	127.98	142.56	147.38	142.56	127.98	106.19	79.52	53.89
G165.0	38.79	49.54	66.05	83.69	99.19	109.18	112.94	109.18	99.19	83.69	66.05	49.54
G170.0	38.81	45.80	52.27	63.77	72.79	78.62	80.76	78.62	72.79	63.77	52.27	45.80
G175.0	38.83	42.29	45.50	48.26	50.37	51.70	52.14	51.70	50.37	48.26	45.50	42.29
G180.0	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85

	C 180.00	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85
G 5.0	38.83	38.88	38.94	39.03	39.12	39.23	39.32	39.23	39.12	39.03	38.94	38.88
G 10.0	38.81	38.78	38.80	39.54	40.18	40.66	40.94	40.66	40.18	39.54	38.80	38.78
G 15.0	38.79	38.55	39.32	40.48	41.67	42.51	42.95	42.51	41.67	40.48	39.32	38.55
G 20.0	38.43	38.23	39.86	41.70	43.09	44.08	44.68	44.08	43.09	41.70	39.86	38.23
G 25.0	37.91	38.31	40.53	42.65	44.30	45.59	46.24	45.59	44.30	42.65	40.53	38.31
G 30.0	37.32	38.27	40.96	43.41	45.35	46.72	47.39	46.72	45.35	43.41	40.96	38.27
G 35.0	36.70	37.99	41.07	43.73	45.80	47.21	48.20	47.21	45.80	43.73	41.07	37.99
G 40.0	35.90	37.42	40.79	43.78	45.94	47.20	48.57	47.20	45.94	43.78	40.79	37.42
G 45.0	34.74	36.54	40.02	43.99	40.86	36.43	33.71	36.43	40.86	43.99	40.02	36.54
G 50.0	33.09	35.31	38.36	38.39	29.96	26.15	24.98	26.15	29.96	38.39	38.36	35.31
G 55.0	30.94	33.42	34.81	28.44	22.65	20.46	19.68	20.46	22.65	28.44	34.81	33.42
G 60.0	28.33	30.37	28.76	21.17	17.80	15.97	15.27	15.97	17.80	21.17	28.76	30.37
G 65.0	25.25	25.71	21.20	16.09	13.81	12.07	11.67	12.07	13.81	16.09	21.20	25.71
G 70.0	21.64	19.92	14.71	12.03	10.33	9.17	8.55	9.17	10.33	12.03	14.71	19.92
G 75.0	17.37	14.04	10.23	8.63	7.53	6.76	6.14	6.76	7.53	8.63	10.23	14.04
G 80.0	12.41	9.06	7.09	5.93	5.28	4.82	4.20	4.82	5.28	5.93	7.09	9.06
G 85.0	6.95	5.03	4.31	3.78	3.52	3.36	2.81	3.36	3.52	3.78	4.31	5.03
G 90.0	1.23	1.50	1.55	1.87	2.14	2.51	1.95	2.51	2.14	1.87	1.55	1.50
G 95.0	6.95	5.03	4.31	3.78	3.52	3.36	2.81	3.36	3.52	3.78	4.31	5.03
G100.0	12.41	9.06	7.09	5.93	5.28	4.82	4.20	4.82	5.28	5.93	7.09	9.06
G105.0	17.37	14.04	10.23	8.63	7.53	6.76	6.14	6.76	7.53	8.63	10.23	14.04
G110.0	21.64	19.92	14.71	12.03	10.33	9.17	8.55	9.17	10.33	12.03	14.71	19.92
G115.0	25.25	25.71	21.20	16.09	13.81	12.07	11.67	12.07	13.81	16.09	21.20	25.71
G120.0	28.33	30.37	28.76	21.17	17.80	15.97	15.27	15.97	17.80	21.17	28.76	30.37
G125.0	30.94	33.42	34.81	28.44	22.65	20.46	19.68	20.46	22.65	28.44	34.81	33.42
G130.0	33.09	35.31	38.36	38.39	29.96	26.15	24.98	26.15	29.96	38.39	38.36	35.31
G135.0	34.74	36.54	40.02	43.99	40.86	36.43	33.71	36.43	40.86	43.99	40.02	36.54
G140.0	35.90	37.42	40.79	43.78	45.94	47.20	48.57	47.20	45.94	43.78	40.79	37.42
G145.0	36.70	37.99	41.07	43.73	45.80	47.21	48.20	47.21	45.80	43.73	41.07	37.99
G150.0	37.32	38.27	40.96	43.41	45.35	46.72	47.39	46.72	45.35	43.41	40.96	38.27
G155.0	37.91	38.31	40.53	42.65	44.30	45.59	46.24	45.59	44.30	42.65	40.53	38.31
G160.0	38.43	38.23	39.86	41.70	43.09	44.08	44.68	44.08	43.09	41.70	39.86	38.23
G165.0	38.79	38.55	39.32	40.48	41.67	42.51	42.95	42.51	41.67	40.48	39.32	38.55
G170.0	38.81	38.78	38.80	39.54	40.18	40.66	40.94	40.66	40.18	39.54	38.80	38.78
G175.0	38.83	38.88	38.94	39.03	39.12	39.23	39.32	39.23	39.12	39.03	38.94	38.88
G180.0	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85	38.85

Luminaire
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K
Measurem.
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K

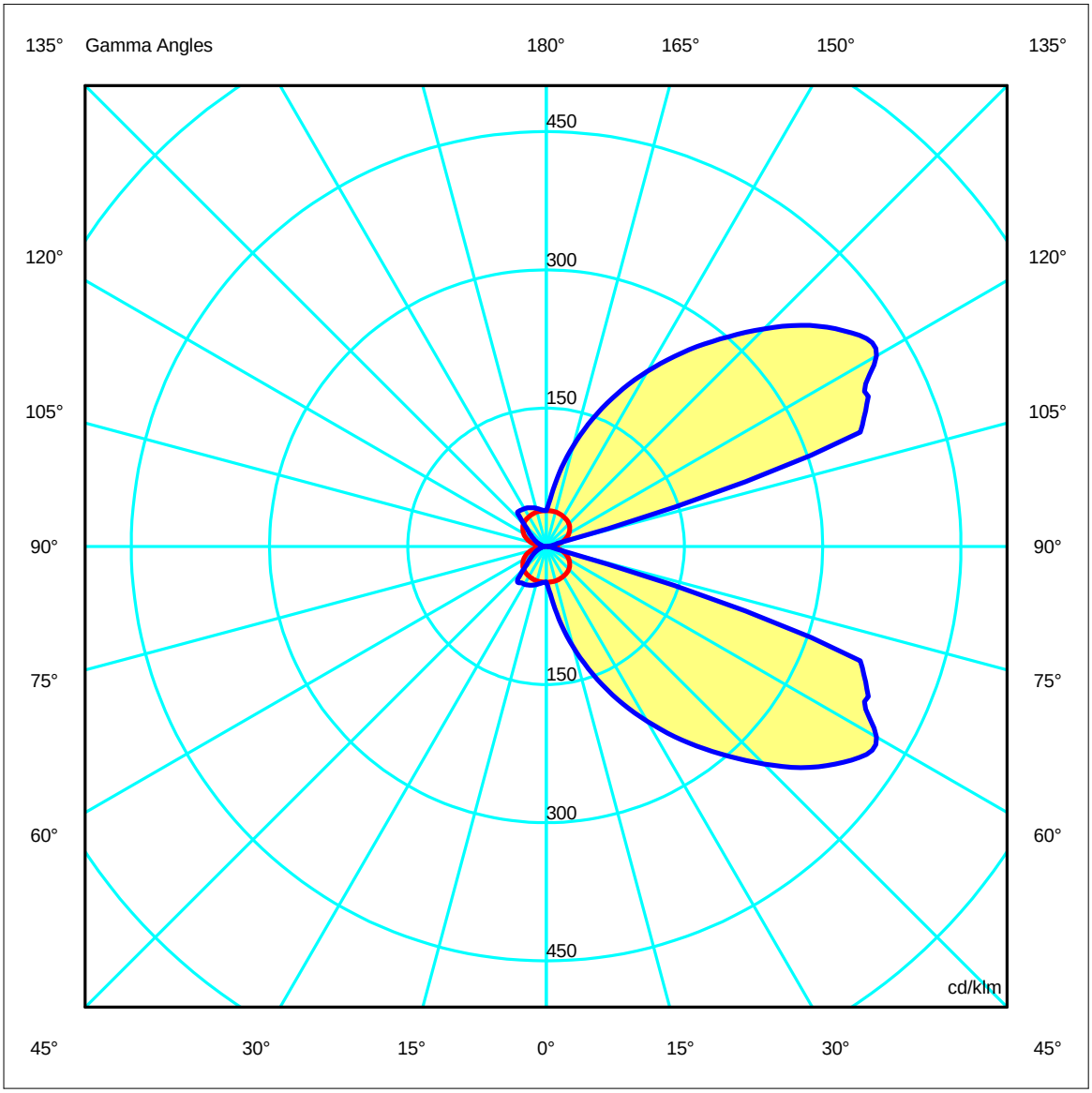
Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

100mm x 150mm



C Halfplanes





Luminaire
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K
Measurem.
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K

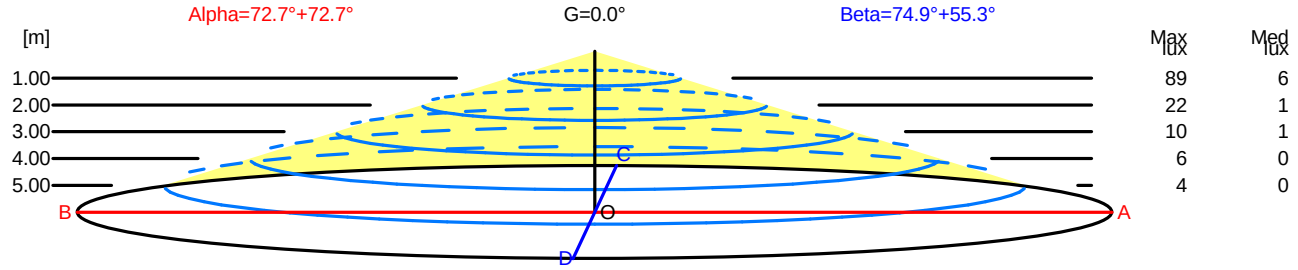
Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

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	3.21	6.43	9.64	12.85	16.07	OC	3.70	7.40	11.10	14.80	18.50
OB	3.21	6.43	9.64	12.85	16.07	OD	1.44	2.88	4.33	5.77	7.21

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	15.51	15.51	15.49	15.14	14.65	13.87	12.36	10.08	6.94	2.77
OB	15.51	15.51	15.49	15.14	14.65	13.87	12.36	10.08	6.94	2.77
OC	15.51	20.82	45.10	73.18	102.42	133.34	161.43	153.92	4.83	0.58
OD	15.51	15.70	17.15	18.46	19.25	13.46	7.86	4.66	2.45	1.12



H[m]	D[m]	Max lux	Med lux	Alpha=72.7°+72.7° G=0.0
1.00	6.43	89	6	
2.00	12.85	22	1	
3.00	19.28	10	1	
4.00	25.71	6	0	
5.00	32.13	4	0	

H[m]	D[m]	Max lux	Med lux	Beta=55.3°+74.9° G=0.0
1.00	5.14	89	6	
2.00	10.28	22	1	
3.00	15.42	10	1	
4.00	20.57	6	0	
5.00	25.71	4	0	

Luminaire
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K
Measurem.
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K

Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

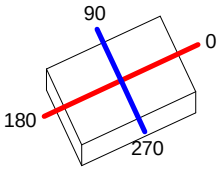
UGR
S = 0.250

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	11.6	12.5	12.5	13.4	5.6	2.6	3.5	3.5	4.4	5.6
x=2H y=3H	12.2	13.0	13.1	13.9	6.1	3.2	4.0	4.1	4.9	6.1
x=2H y=4H	12.3	13.0	13.2	13.9	6.2	3.4	4.1	4.3	5.0	6.2
x=2H y=6H	12.3	13.0	13.3	13.9	6.3	3.5	4.1	4.4	5.1	6.3
x=2H y=8H	12.3	13.0	13.3	13.9	6.3	3.5	4.1	4.4	5.1	6.3
x=2H y=12H	12.3	12.9	13.3	13.9	6.3	3.5	4.1	4.5	5.1	6.3
x=4H y=2H	15.0	15.7	15.9	16.6	6.1	3.2	4.0	4.1	4.9	6.1
x=4H y=3H	15.5	16.1	16.4	17.0	6.7	3.9	4.5	4.8	5.4	6.7
x=4H y=4H	15.5	16.0	16.5	17.0	6.9	4.1	4.7	5.1	5.7	6.9
x=4H y=6H	15.4	15.9	16.4	16.9	7.1	4.3	4.8	5.3	5.8	7.1
x=4H y=8H	15.4	15.8	16.4	16.8	7.1	4.4	4.8	5.4	5.8	7.1
x=4H y=12H	15.4	15.8	16.4	16.8	7.2	4.4	4.8	5.5	5.8	7.2
x=8H y=4H	16.1	16.5	17.1	17.5	7.1	4.4	4.8	5.4	5.8	7.1
x=8H y=6H	16.0	16.4	17.0	17.4	7.3	4.6	5.0	5.7	6.0	7.3
x=8H y=8H	16.0	16.3	17.0	17.3	7.4	4.8	5.1	5.8	6.1	7.4
x=8H y=12H	16.0	16.2	17.0	17.2	7.5	4.9	5.1	5.9	6.2	7.5
x=12H y=4H	16.0	16.4	17.0	17.4	7.1	4.4	4.7	5.4	5.7	7.1
x=12H y=6H	16.0	16.3	17.0	17.3	7.4	4.7	5.0	5.7	6.0	7.4
x=12H y=8H	15.9	16.2	17.0	17.2	7.5	4.8	5.1	5.9	6.1	7.5

Luminaire
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K
Measurem.
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K

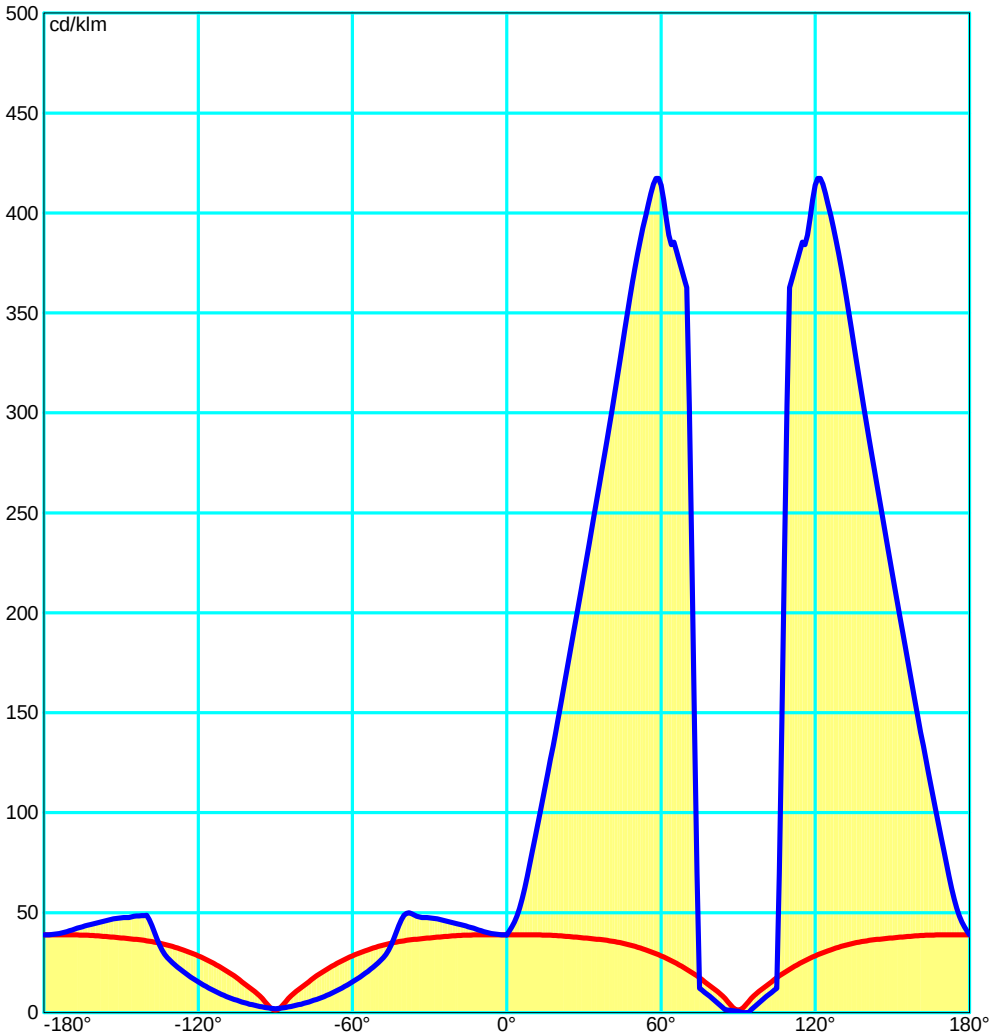
Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

100mm x 150mm



C Halfplanes

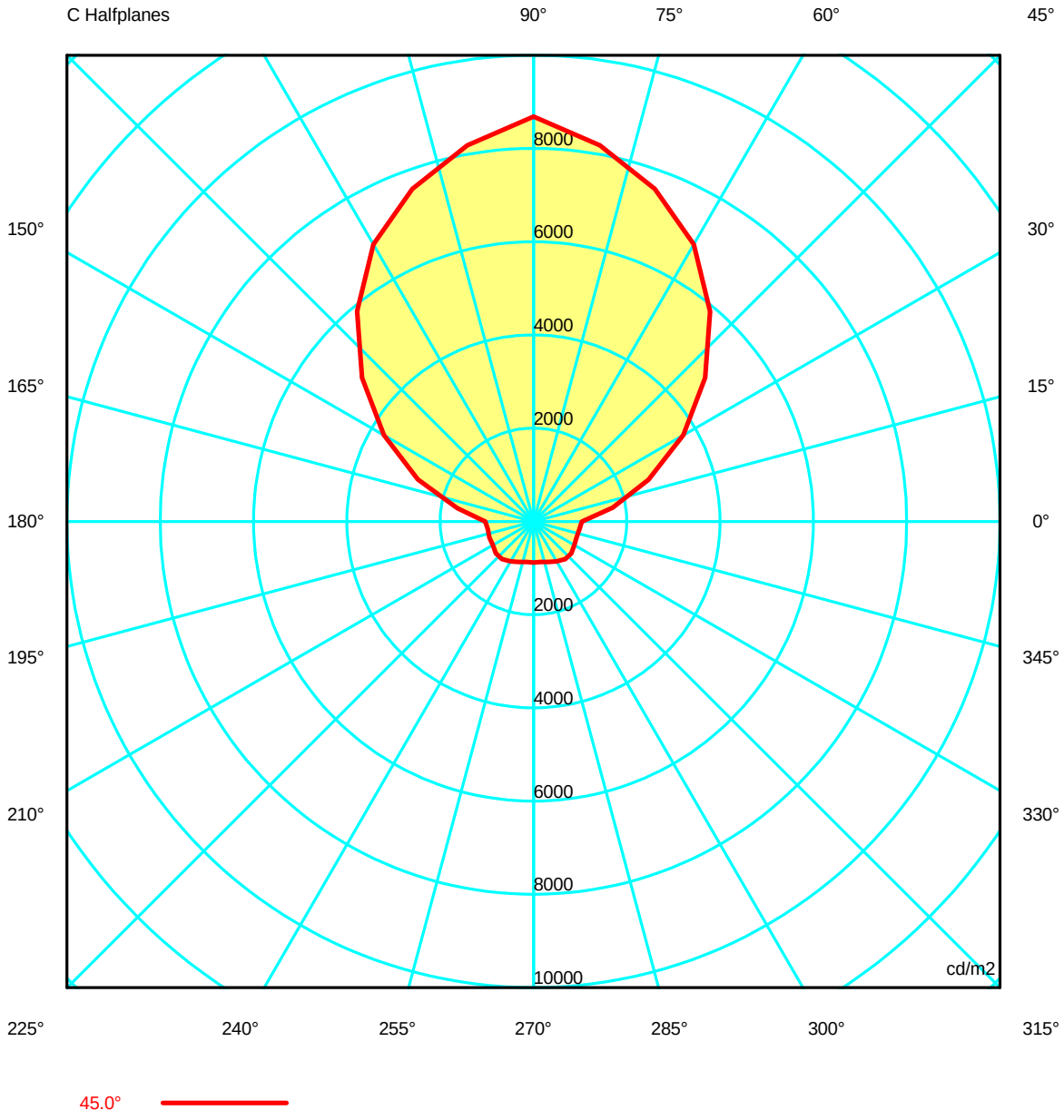
180.0 0.0
270.0 90.0



Luminaire
Code DE-0231-BLA
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Measurem.
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Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminance



Luminaire
Code DE-0231-BLA
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Measurem.
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K

Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminance cd/m2 **Table 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	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47
G 5.0	1127.99	1185.06	1240.77	1293.71	1342.56	1386.15	1423.45	1453.57	1475.64	1489.20	1475.65	1453.53	1423.45
G 10.0	1100.04	1217.14	1310.44	1421.43	1614.23	1808.09	1956.69	2077.43	2166.50	2215.37	2166.53	2077.36	1956.69
G 15.0	1081.45	1235.82	1453.48	1733.88	2023.66	2305.89	2560.86	2763.05	2912.93	3002.47	2912.96	2762.98	2560.86
G 20.0	1062.13	1279.16	1604.57	2032.66	2462.94	2856.94	3202.01	3491.14	3703.16	3828.86	3703.21	3491.05	3202.01
G 25.0	1046.80	1382.62	1835.65	2395.54	2941.56	3434.13	3866.31	4235.92	4514.90	4690.18	4514.97	4235.77	3866.31
G 30.0	1037.34	1477.95	2060.11	2761.44	3422.39	4020.67	4551.61	4995.69	5338.98	5572.35	5339.07	4995.49	4551.61
G 35.0	1034.61	1562.47	2261.68	3118.48	3945.29	4656.89	5253.29	5776.82	6209.34	6518.51	6209.44	5776.59	5253.29
G 40.0	1034.83	1641.33	2433.25	3411.83	4394.48	5295.22	6060.07	6660.12	7147.37	7529.31	7147.49	6659.86	6060.07
G 45.0	1032.69	1724.00	2617.15	3708.48	4802.80	5884.84	6863.83	7595.17	8194.41	8689.77	8194.55	7594.88	6863.83
G 50.0	1023.20	1798.19	2793.03	4012.65	5253.40	6508.43	7670.51	8562.32	9314.19	9943.79	9314.35	8561.99	7670.51
G 55.0	1004.80	1823.00	2906.03	4248.80	5613.71	7062.97	8442.28	9451.35	10335.64	11125.69	10335.80	9451.01	8442.28
G 60.0	976.31	1752.25	2833.99	4268.04	5832.32	7410.17	8831.28	9935.63	10952.39	11867.84	10952.55	9935.31	8831.28
G 65.0	934.87	1529.30	2430.22	3809.06	5568.83	7241.85	8688.46	10033.05	10966.24	11631.13	10966.35	10032.80	8688.46
G 70.0	872.32	1190.90	1710.50	2709.00	4275.91	5673.21	6671.25	7754.17	9720.57	11638.77	9720.63	7754.04	6671.25
G 75.0	775.30	814.31	923.18	1326.87	2149.99	2659.90	2542.43	1981.93	1043.72	418.01	1043.73	1981.91	2542.43
G 80.0	625.59	485.03	416.41	310.81	114.91	245.26	528.35	382.95	266.97	266.58	228.85	383.00	528.35
G 85.0	405.73	204.30	276.02	399.75	272.54	179.50	155.36	146.29	110.42	60.97	110.38	146.29	155.36
G 90.0	86.19	65.03	53.69	47.81	44.22	42.30	42.19	46.36	39.67	30.51	39.67	46.35	42.19

Luminaire
Code DE-0231-BLA
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Measurem.
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Name Aplique TOPPI 12 led 6W 3000K

Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminance cd/m2 **Table 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	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47
G 5.0	1386.31	1342.15	1293.71	1243.06	1179.25	1127.99	1119.26	1112.28	1107.23	1104.45	1104.01	1105.52	1109.26
G 10.0	1808.42	1613.40	1421.43	1315.10	1205.20	1100.04	1081.15	1069.49	1055.17	1058.96	1070.11	1079.95	1092.30
G 15.0	2306.26	2022.73	1733.88	1458.78	1222.15	1081.45	1050.98	1037.32	1032.18	1040.04	1056.66	1075.78	1096.34
G 20.0	2857.43	2461.68	2032.66	1611.74	1260.55	1062.13	1025.16	1014.14	1018.92	1035.79	1057.29	1078.05	1101.76
G 25.0	3434.92	2939.56	2395.54	1847.12	1352.69	1046.80	1013.52	1011.82	1016.84	1034.58	1058.69	1083.12	1113.18
G 30.0	4021.69	3419.77	2761.44	2075.26	1438.20	1037.34	1006.78	1012.34	1016.75	1036.13	1064.21	1092.17	1125.04
G 35.0	4658.10	3942.19	3118.48	2279.73	1514.81	1034.61	1003.17	1012.74	1016.39	1036.03	1065.84	1094.96	1128.74
G 40.0	5296.60	4390.95	3411.83	2453.95	1586.39	1034.83	1000.45	1011.83	1014.26	1036.40	1069.59	1098.74	1130.09
G 45.0	5886.40	4798.79	3708.48	2640.79	1660.87	1032.69	996.36	1005.59	1007.25	1054.33	1054.41	985.06	923.17
G 50.0	6510.16	5248.95	4012.65	2819.49	1727.05	1023.20	988.45	1002.14	985.32	976.19	884.17	733.88	666.69
G 55.0	7064.77	5609.08	4248.80	2933.76	1747.98	1004.80	969.80	984.22	919.83	787.77	657.35	568.14	532.64
G 60.0	7411.87	5827.94	4268.04	2860.40	1680.27	976.31	928.00	911.20	788.62	621.13	507.61	460.93	434.09
G 65.0	7243.15	5565.48	3809.06	2450.62	1473.27	934.87	848.29	773.59	608.93	480.25	409.31	372.63	344.69
G 70.0	5673.91	4274.11	2709.00	1721.59	1160.14	872.32	714.76	606.70	447.16	366.53	325.90	293.37	275.11
G 75.0	2659.99	2149.75	1326.87	924.68	810.08	775.30	588.57	446.08	333.08	278.98	249.87	227.39	216.22
G 80.0	244.96	115.67	310.81	411.57	498.77	625.59	446.96	311.79	250.46	210.32	184.25	171.58	166.83
G 85.0	179.50	273.69	399.75	268.62	225.64	405.73	291.47	192.59	167.81	145.88	129.48	125.04	126.55
G 90.0	42.30	44.18	47.81	53.94	64.32	86.19	80.50	73.68	67.80	72.09	77.08	84.38	101.06

Luminaire
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K
Measurem.
Code DE-0231-BLA
Name Aplique TOPPI 12 led 6W 3000K

Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency 100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG Asymmetrical

Luminance cd/m2 **Table 3/3**

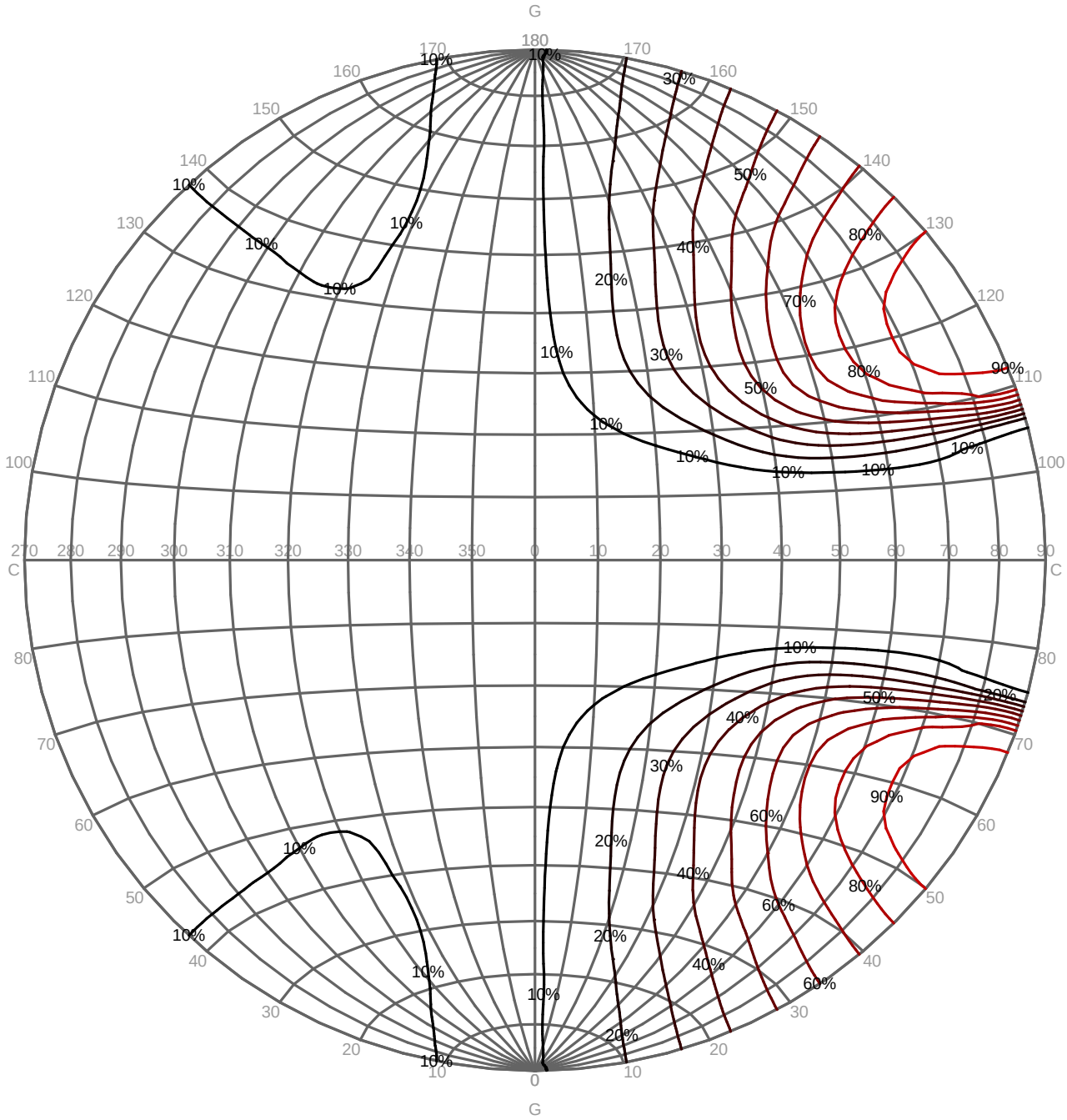
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47
G 5.0	1115.55	1122.95	1115.53	1109.29	1105.52	1103.84	1104.39	1107.23	1112.23	1119.24
G 10.0	1107.75	1123.12	1107.73	1092.36	1079.95	1069.79	1059.79	1055.17	1066.14	1081.54
G 15.0	1119.37	1141.80	1119.34	1096.41	1075.78	1056.29	1040.97	1032.18	1032.02	1048.53
G 20.0	1131.10	1160.88	1131.05	1101.85	1078.05	1056.79	1037.05	1018.92	1006.97	1020.50
G 25.0	1148.34	1183.25	1148.27	1113.32	1083.12	1057.91	1036.58	1016.84	1000.34	1013.52
G 30.0	1163.81	1204.08	1163.72	1125.24	1092.17	1063.18	1038.75	1016.75	997.19	1002.10
G 35.0	1174.60	1224.88	1174.49	1128.97	1094.96	1064.62	1039.13	1016.39	994.68	998.23
G 40.0	1182.32	1244.15	1182.20	1130.35	1098.74	1068.21	1039.93	1014.26	991.13	995.32
G 45.0	878.90	877.28	878.77	923.47	985.06	1052.85	1058.33	1007.25	981.95	993.44
G 50.0	652.79	665.60	652.64	667.01	733.88	882.43	980.64	985.32	975.68	985.72
G 55.0	526.83	541.51	526.67	532.98	568.14	655.55	792.40	919.83	956.50	966.94
G 60.0	424.30	438.04	424.15	434.41	460.93	505.91	625.50	788.62	884.79	933.49
G 65.0	336.25	351.99	336.13	344.93	372.63	408.02	483.59	608.93	753.20	863.46
G 70.0	267.33	274.55	267.26	275.24	293.37	325.21	368.33	447.16	595.61	745.52
G 75.0	208.87	212.07	208.86	216.24	227.39	249.78	279.23	333.08	444.57	592.80
G 80.0	159.18	158.35	159.20	166.78	171.58	184.54	209.55	250.46	316.63	433.22
G 85.0	120.78	117.90	120.82	126.47	125.04	129.92	144.72	167.81	200.00	270.13
G 90.0	100.38	92.59	100.38	101.06	84.38	77.06	72.12	67.80	73.44	81.21

Luminaire
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Measurem.
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Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI (glare) 9.9 Tight Tilting Angle:0°

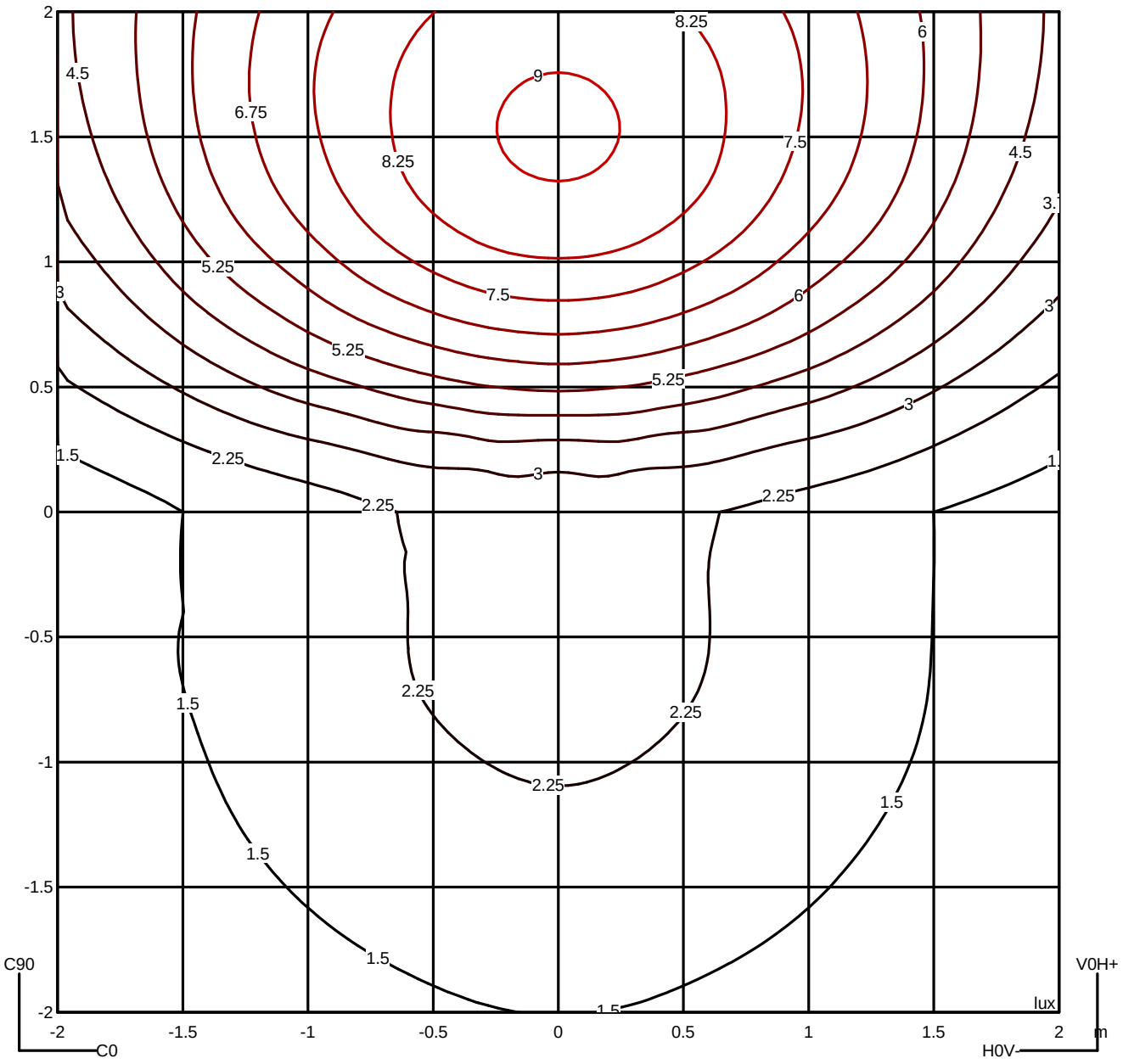


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Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Isolux (Floor)

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



Luminaire
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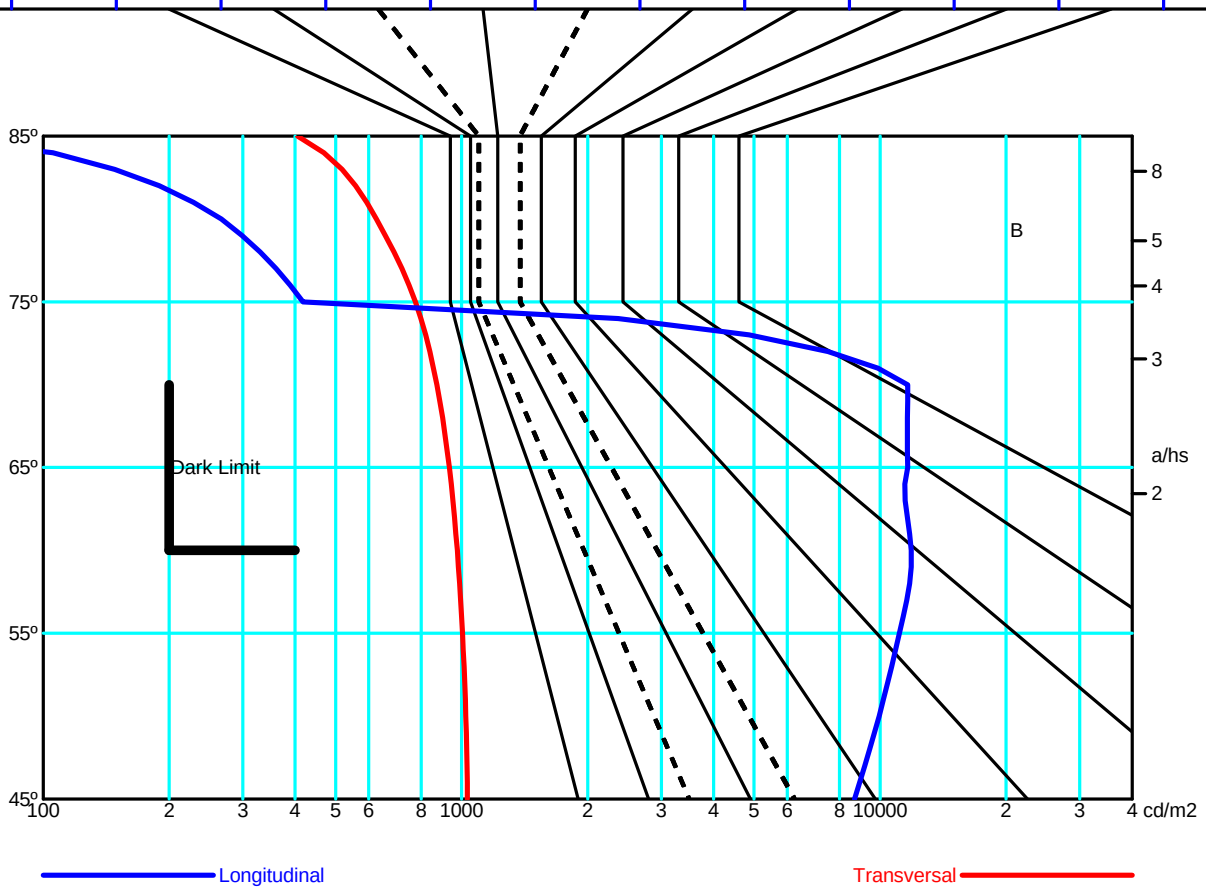
Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Average Luminance [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	1033	1023	1005	976	935	872	775	626	406	---
90.0°	8690	9944	11126	11868	11631	11639	418	267	61	---

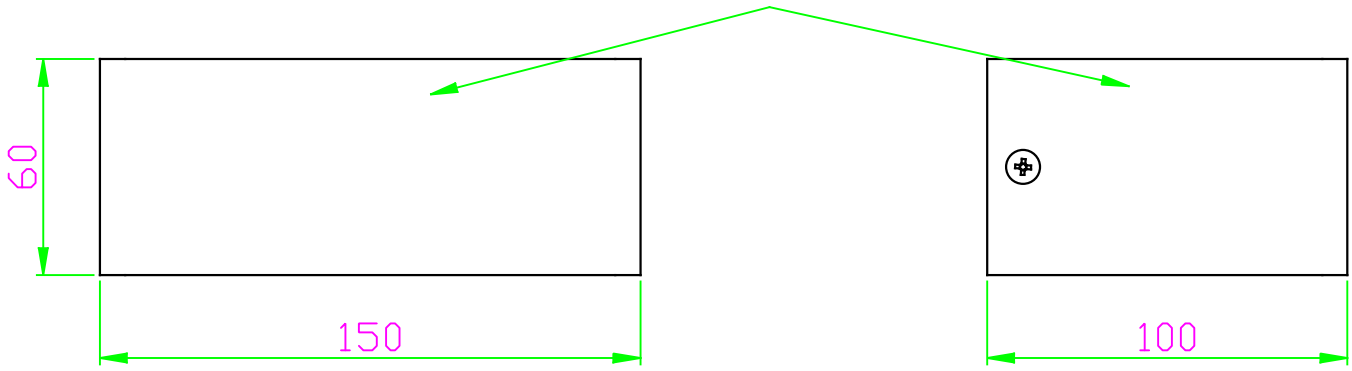
Flush mounted or transveral view

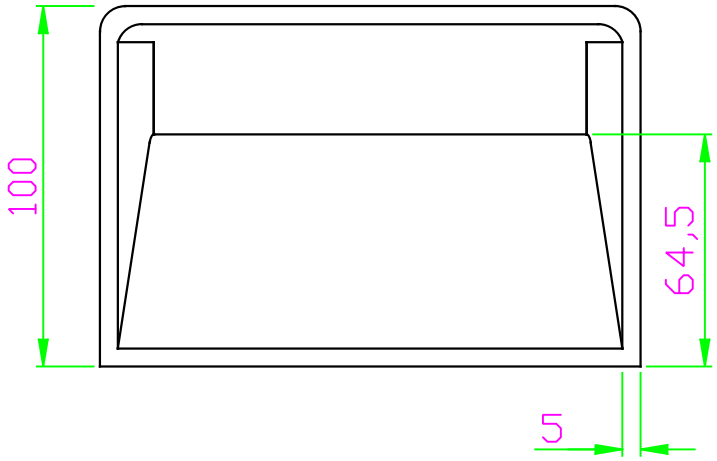
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55

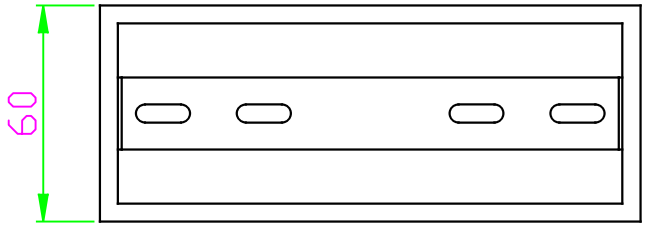


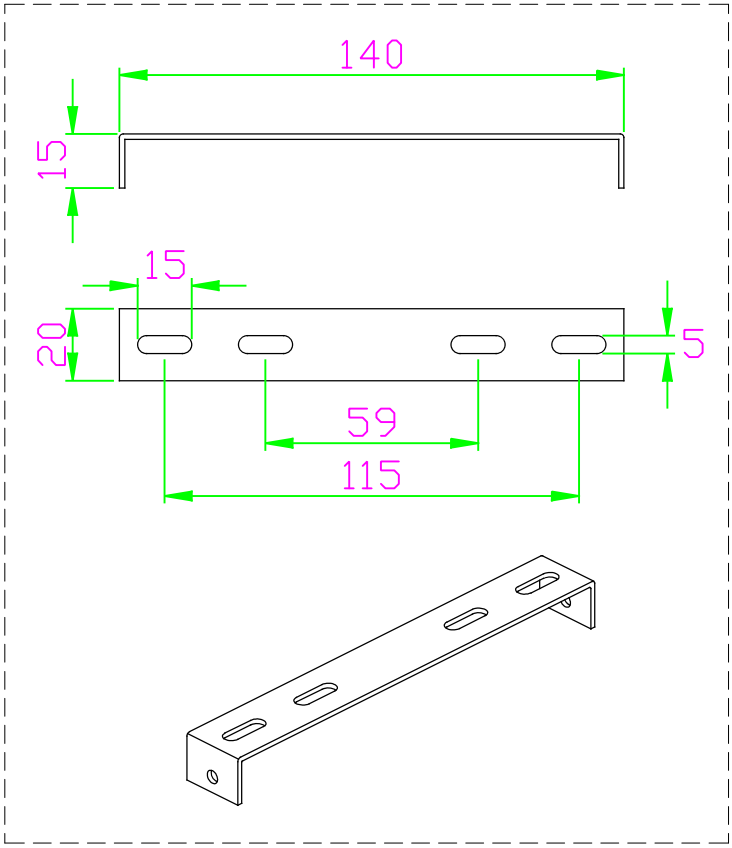
DE-0231

INJECTED ALUMINIUM / WHITE









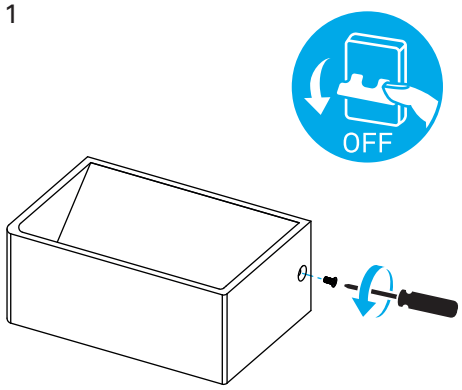
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Toppi

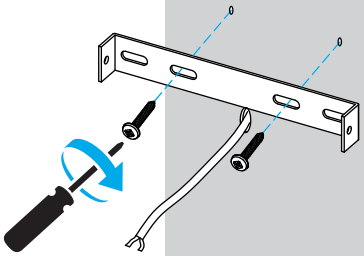
DE-0231

59 mm

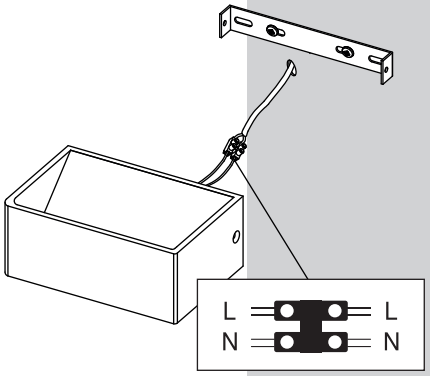
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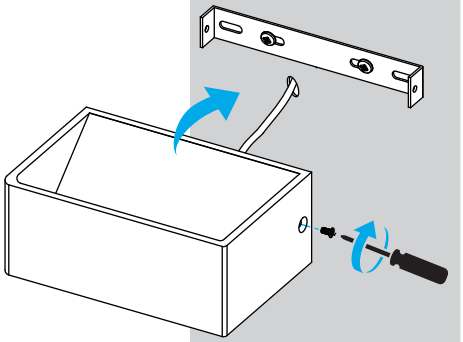
2



3



4



5

