

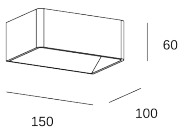


## Toppi 150mm

## DE-0231-BLA

Wall fixture Toppi 150mm LED 5.8W LED warm-white 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 :  $\leq 16$

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

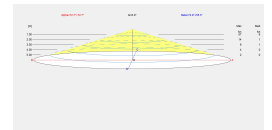
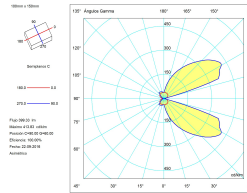
Photobiological risk: RG0

UGR

UGR crosswise: 15.3

UGR lengthwise: 4.4

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



### LOGISTICS

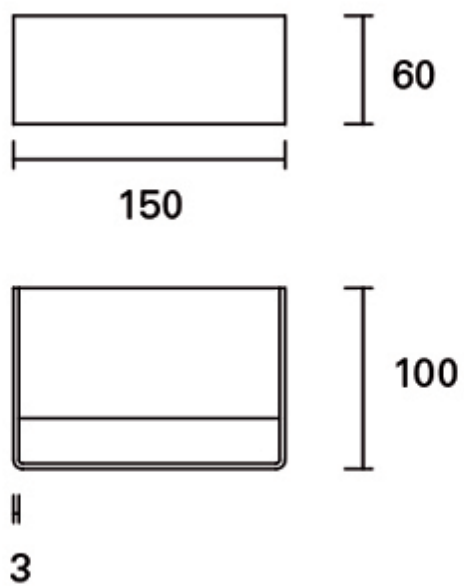
Net weight (kg): 0.51

Packaged weight (kg): 0.61

Packaging: 155mm x 65mm x 105mm



20 Un



**Luminaire**

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

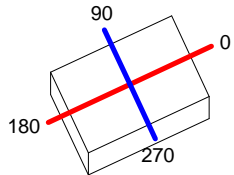
**Measur.**

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							

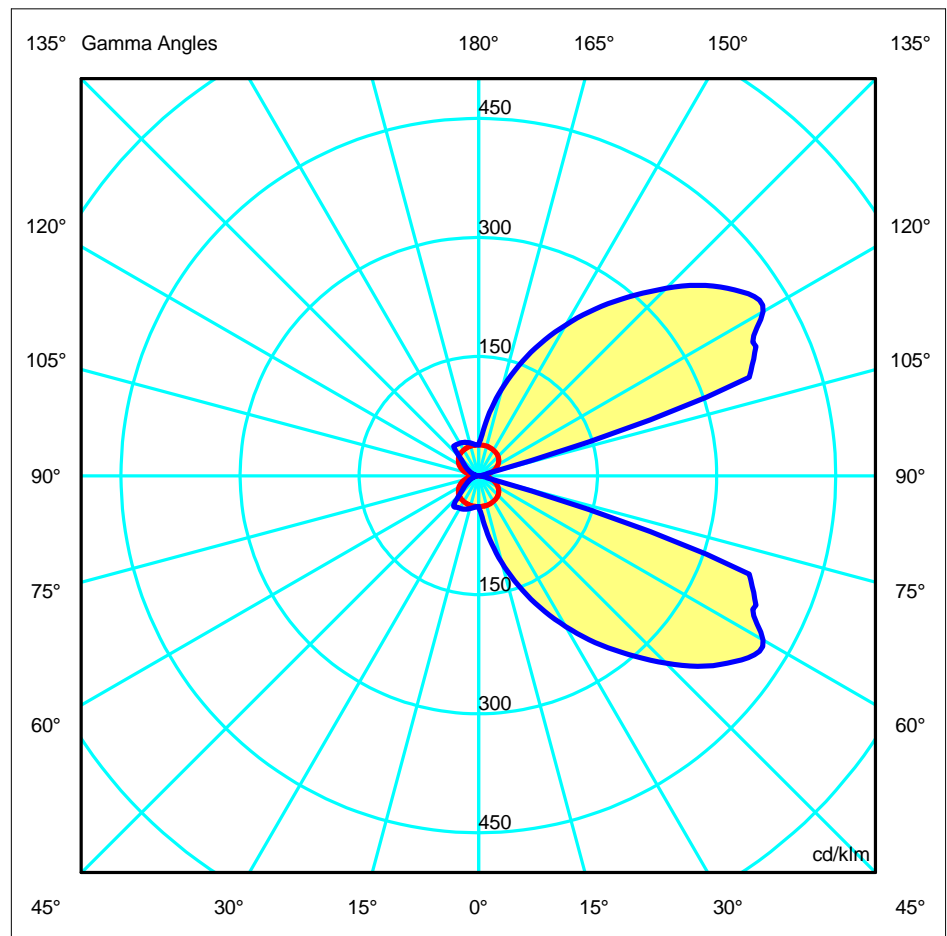
Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		DE-0231-BLA	Name	DE-0231-BLA - 6.00 W	399.33	6.00	1
C.I.E.	27 68 96 50 100		D DIN 5040		C11		
F UTE	0.50 I + 0.50 T		B NBN		BZ 7 / 1 / BZ 6 / 2.5 / BZ 5		

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  
**Measur.**  
 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	1.09	1.07	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	34.81	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	7.09	9.06	12.41
G 85.0	6.95	5.03	4.31	3.78	3.52	3.36	2.81	3.36	3.52	4.31	5.03	6.95
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	4.31	5.03	6.95
G100.0	12.41	9.06	7.09	5.93	5.28	4.82	4.20	4.82	5.28	7.09	9.06	12.41
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	34.81	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 Applique TOPPI 12 led 6W 3000K

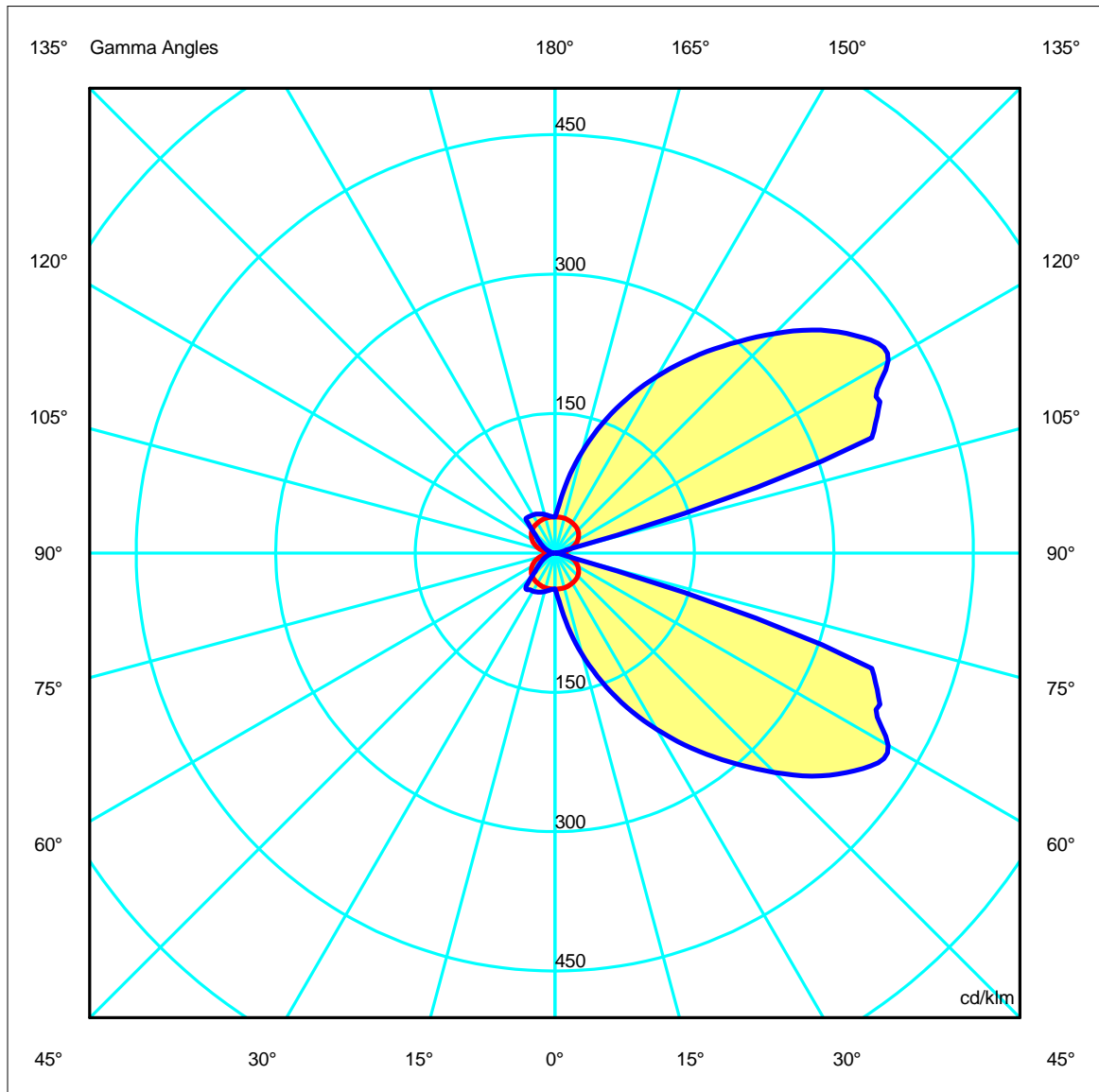
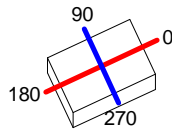
**Measur.**

Code DE-0231-BLA  
 Name Applique 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

**Measur.**

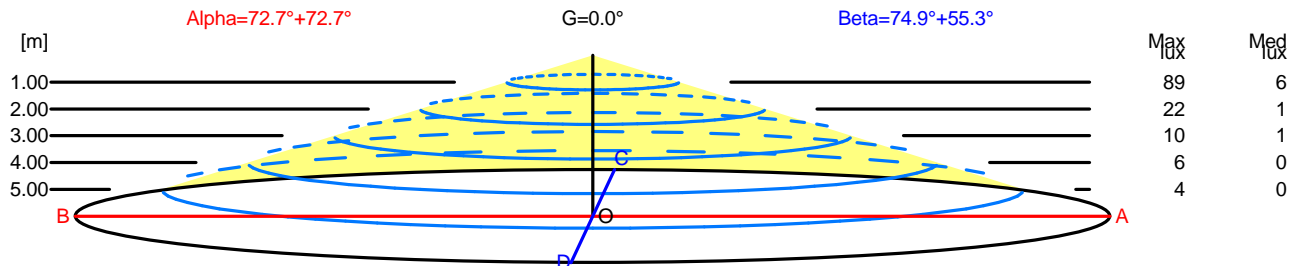
 Code DE-0231-BLA  
 Name Aplique TOPPI 12 led 6W 3000K

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

**Measurement**

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**

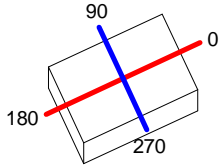
Code DE-0231-BLA  
 Name Aplique TOPPI 12 led 6W 3000K

**Measur.**

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

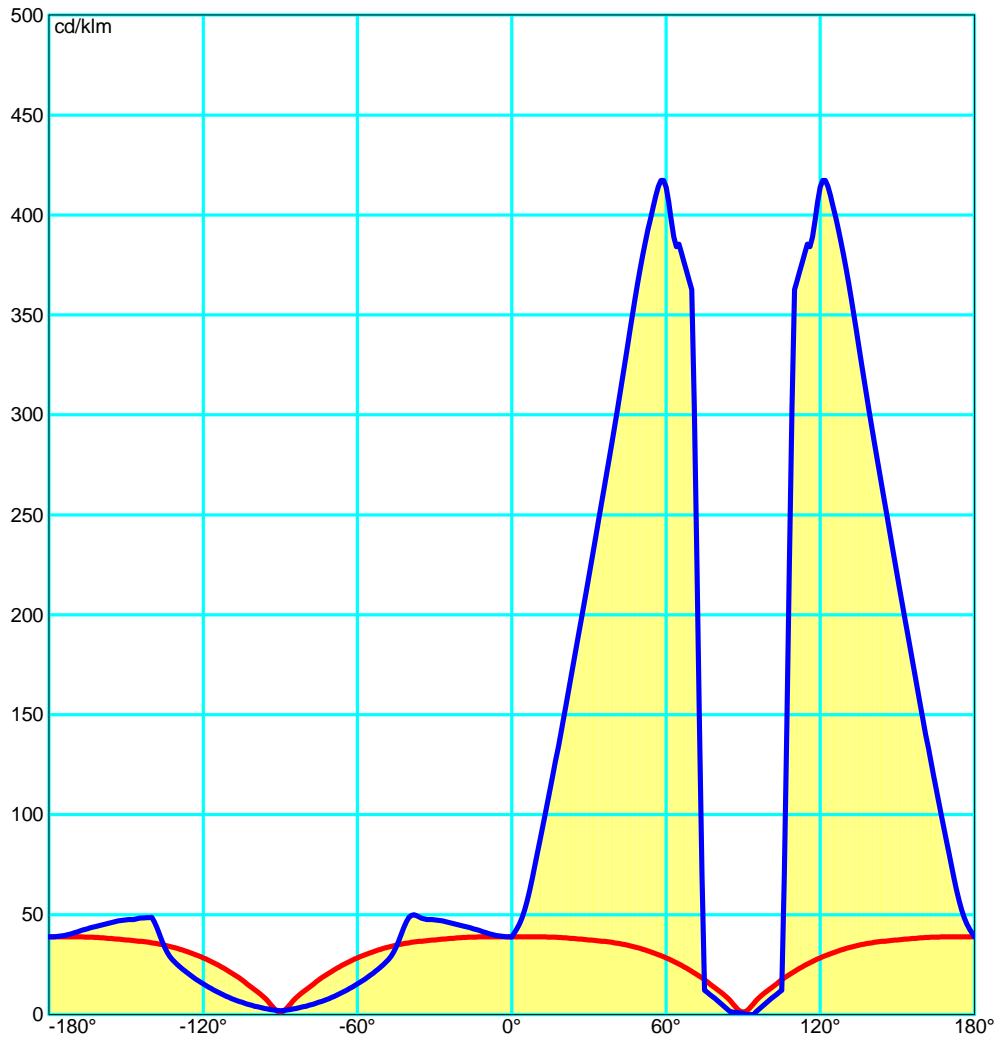
Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

100mm x 150mm



C Halfplanes

180.0 ———— 0.0  
 270.0 ———— 90.0





**Luminaire**

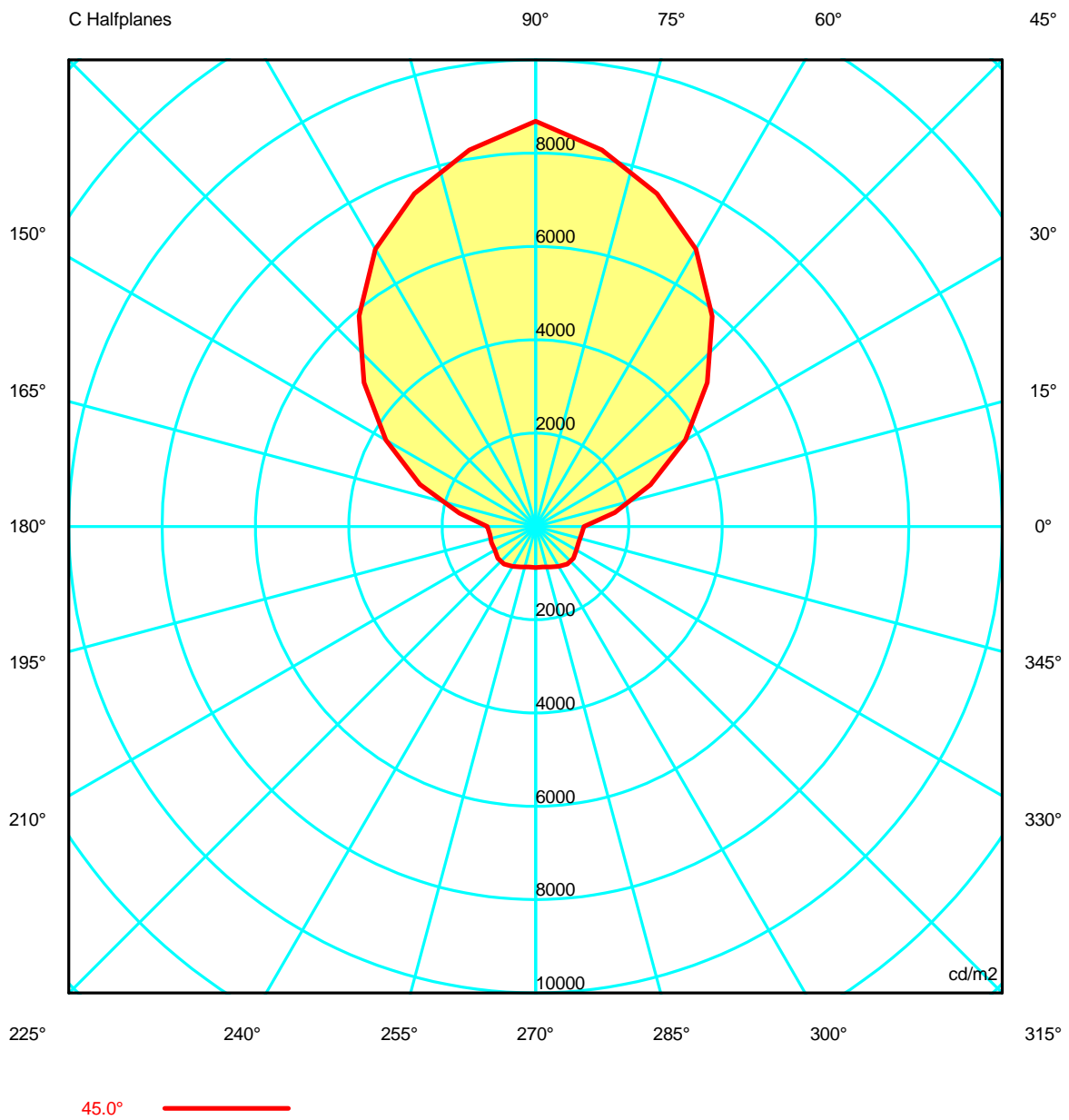
Code DE-0231-BLA  
 Name Aplique TOPPI 12 led 6W 3000K

**Measur.**

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





**Luminaire**

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

**Measurment**

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  
Name Applique TOPPI 12 led 6W 3000K

**Measurment**

Code DE-0231-BLA  
Name Applique 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

**Measur.**

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**

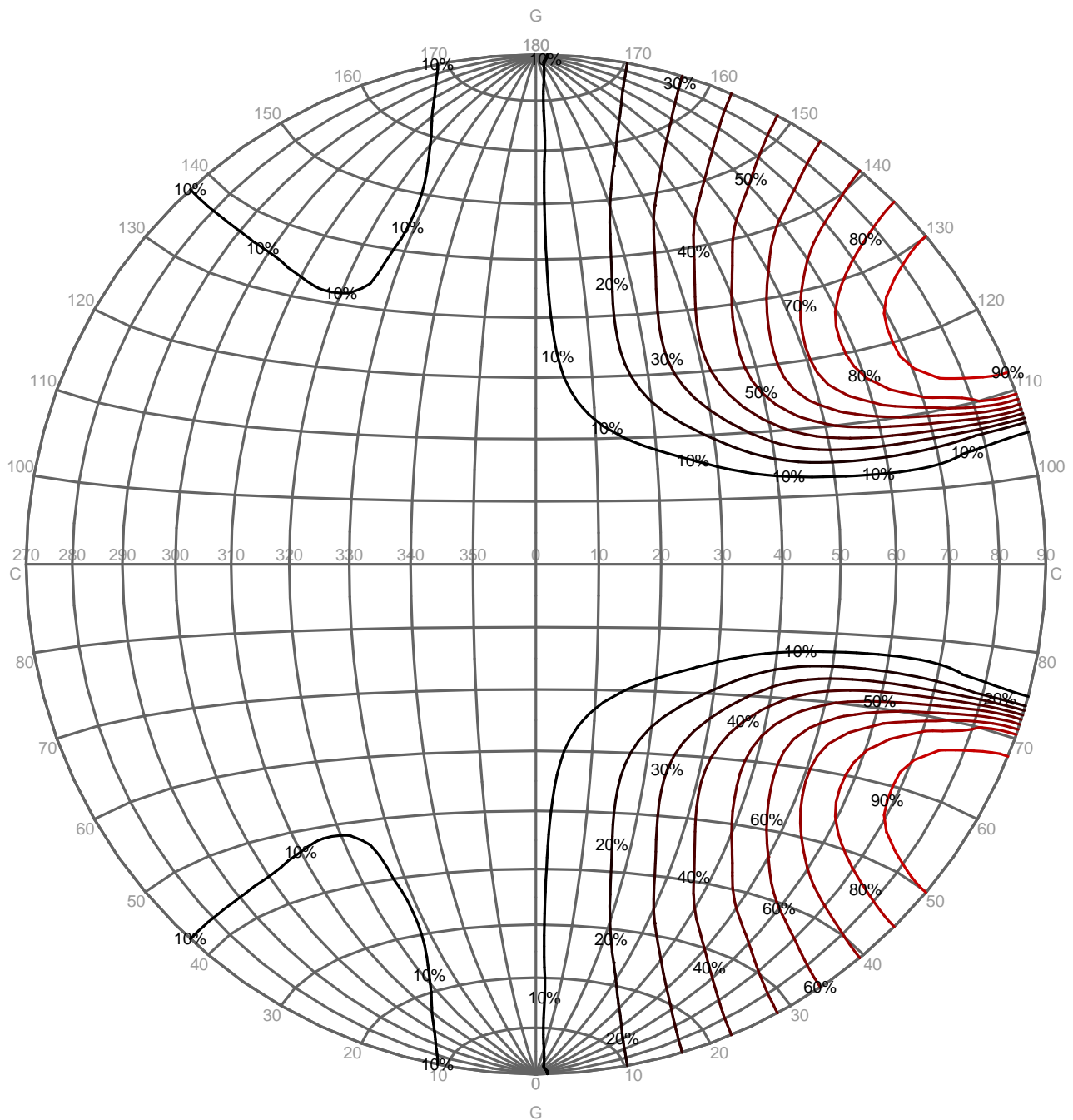
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47	1166.47
G 5.0	1115.55	1122.95	1115.53	1109.29	1105.52	1103.84	1104.39	1107.23	1112.23	1119.24
G 10.0	1107.75	1123.12	1107.73	1092.36	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**  
 Code DE-0231-BLA  
 Name Aplique TOPPI 12 led 6W 3000K  
**Measur.**  
 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

**PERCENTAGE ISOCANDLES**

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

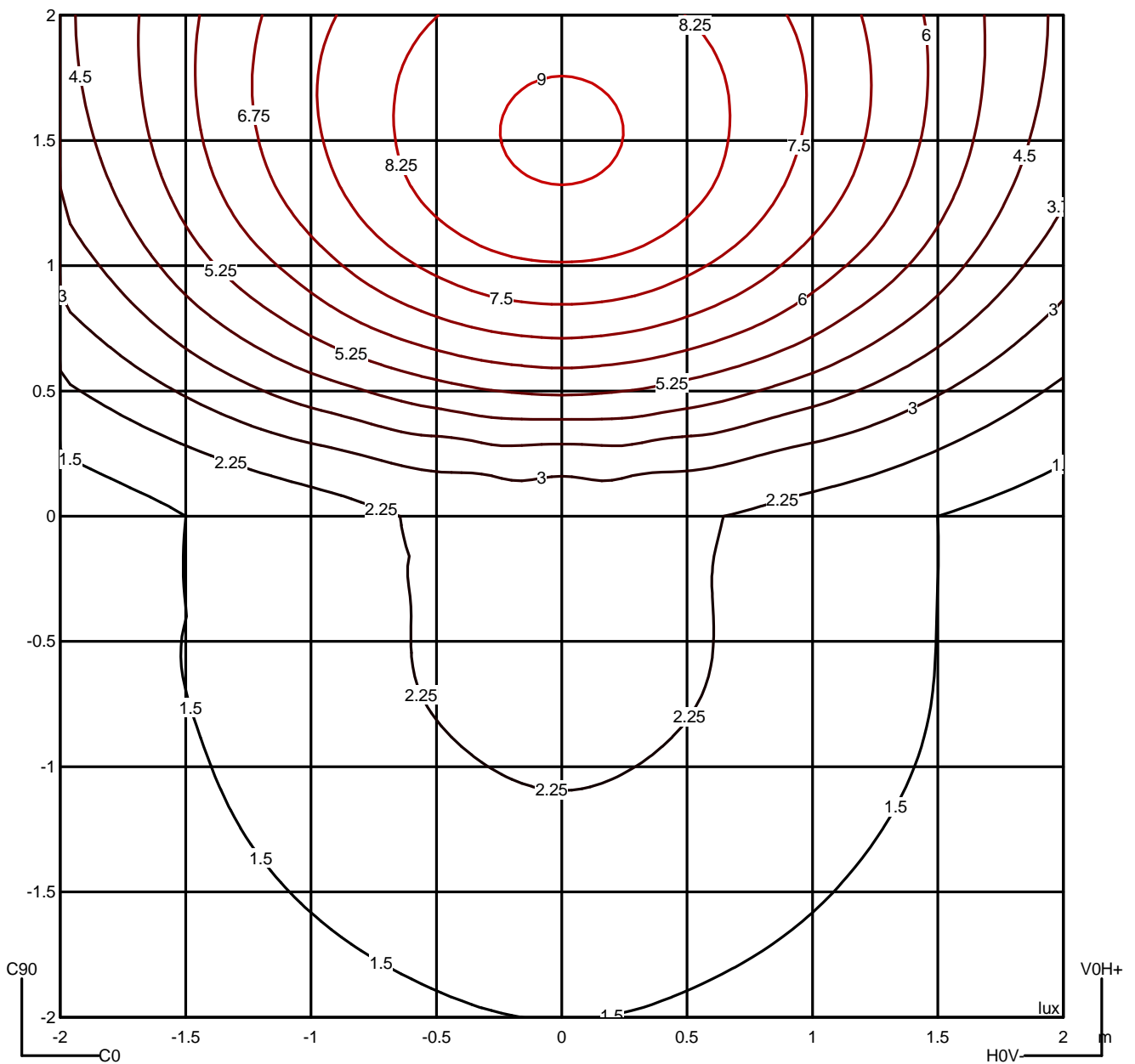


**Luminaire**  
 Code DE-0231-BLA  
 Name Aplique TOPPI 12 led 6W 3000K  
**Measur.**  
 Code DE-0231-BLA  
 Name Aplique TOPPI 12 led 6W 3000K

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

Isolux (Floor)

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



**Luminaire**

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

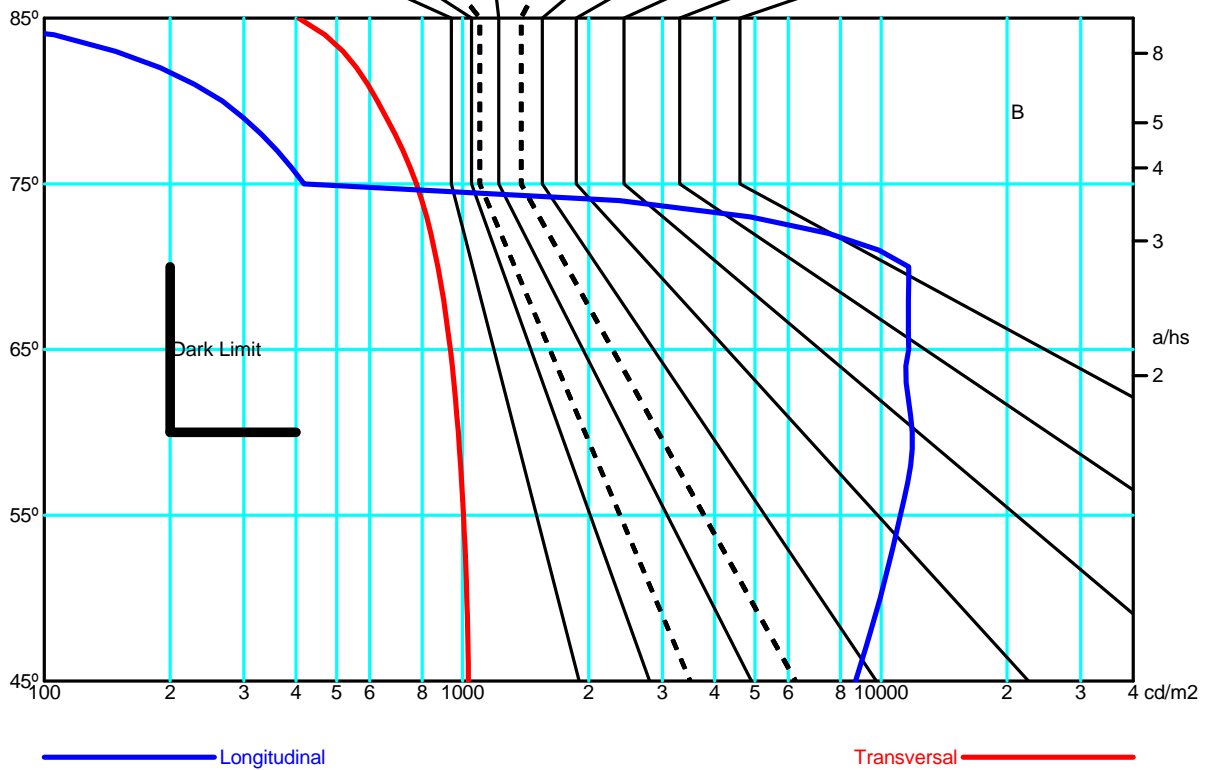
**Measur.**

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

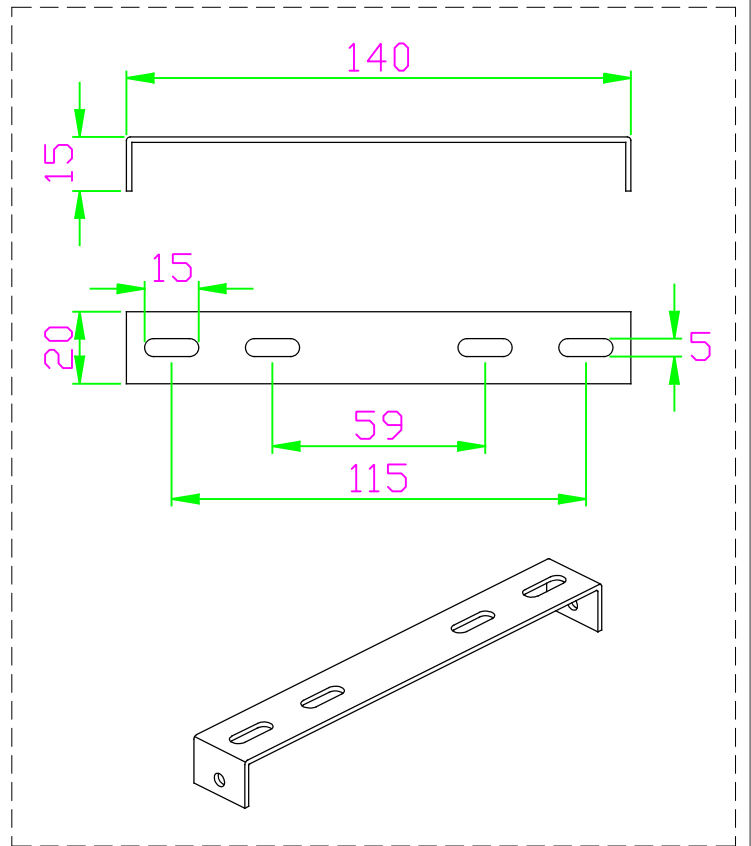
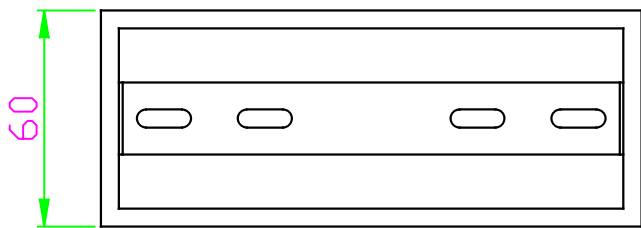
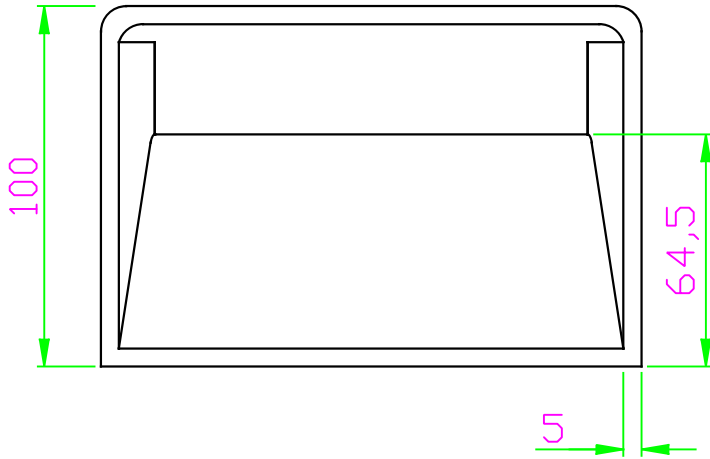
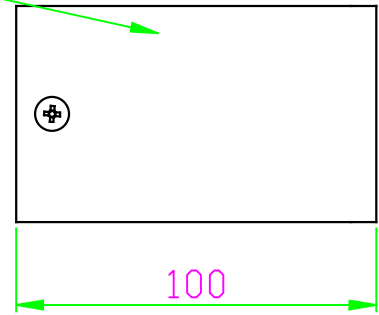
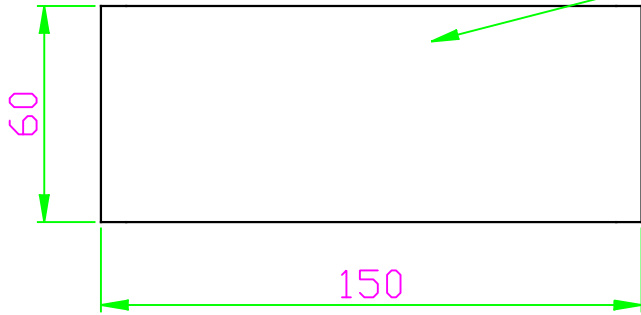
Luminaire Flux	399.33 lm	Luminaire Power	6.00 W	Efficacy	66.55 lm/W	Efficiency	100.00%
Lamps Flux	399.33 lm	Maximum value	413.83 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Average Luminance [cd/m <sup>2</sup> ]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
1033	1023	1005	976	935	872	775	626	406	---	
8690	9944	11126	11868	11631	11639	418	267	61	---	

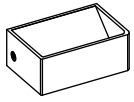
Flush mounted or transversal view												
		Illumination(Ix)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



INJECTED ALUMINIUM / WHITE







**Toppi**  
DE-0231

**FOR**  
LIGHT

