



## Easy Round Ø225mm TC-0150-BLA

LedsC4 Team

Recessed ceiling lights Easy Round Ø225mm LED 18.2W 3000K ON-OFF White IN IP20 / OUT IP54 1510.00

### TECHNICAL FEATURES

IN IP20 / OUT IP54



Luminaire total power : 18.2W

Real lumens : 1371

Nominal lumens : 1510

Real lm/W : 75

Lens / reflector angle : HORIZONTAL 112°

Structure material : Aluminium

Structure finish : White

Diffuser material : Acrylic

Diffuser finish : Opal

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

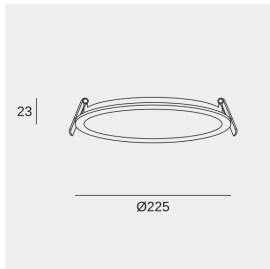
Dimming protocol : ON-OFF

Power Factor : 0.90

Useful life : 36.000h L70B30

Warranty : 5 Years

Easily recyclable luminaire



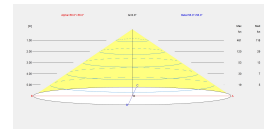
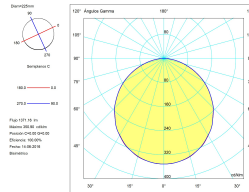
### LUMINOTECHNIC FEATURES

CRI: 80

MacAdam steps: 3

Photobiological risk: RG1

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
LED	1	15.5W	3000K

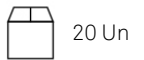


### LOGISTICS

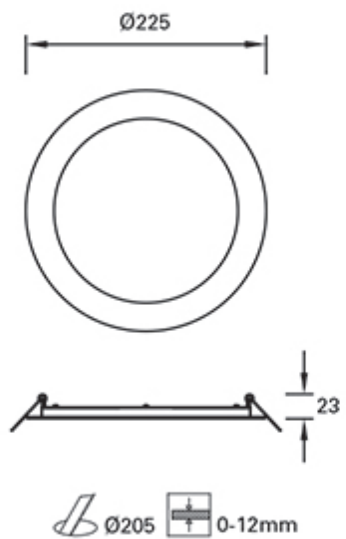
Net weight (kg): 0.4

Packaged weight (kg): 0.53

Packaging: 255mm x 45mm x 235mm



20 Un



**Luminaire**

Code TC-0150-BLA  
 Name Downlight FORLIGHT 15.5W 3000K

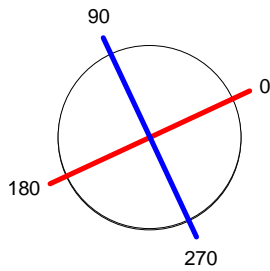
**Measur.**

Code TC-0150-BLA  
 Name Downlight FORLIGHT 15.5W 3000K

Luminaire Flux	1371.15 lm	Luminaire Power	17.00 W	Efficacy	80.66 lm/W	Efficiency	100.00%
Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	225 mm	Height	3 mm		
Round Luminous Area		Diam.	175 mm	Height	0 mm		
Horizontal Luminous Area	0.024053 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°		0.005819 m2	
Coordinate system	CG			Symmetry Type		Double Symmetrical	
Date	14-06-2016			Maximum Gamma Angle		90	
Measurement Distance	0.00			Measurement Flux		1371.16 lm	
Operator	Asselum T2			Source Voltage [V]			
Temperature	25.00 °C			Source current [A]			
Humidity	60.00 %			Photocell			
Notes							

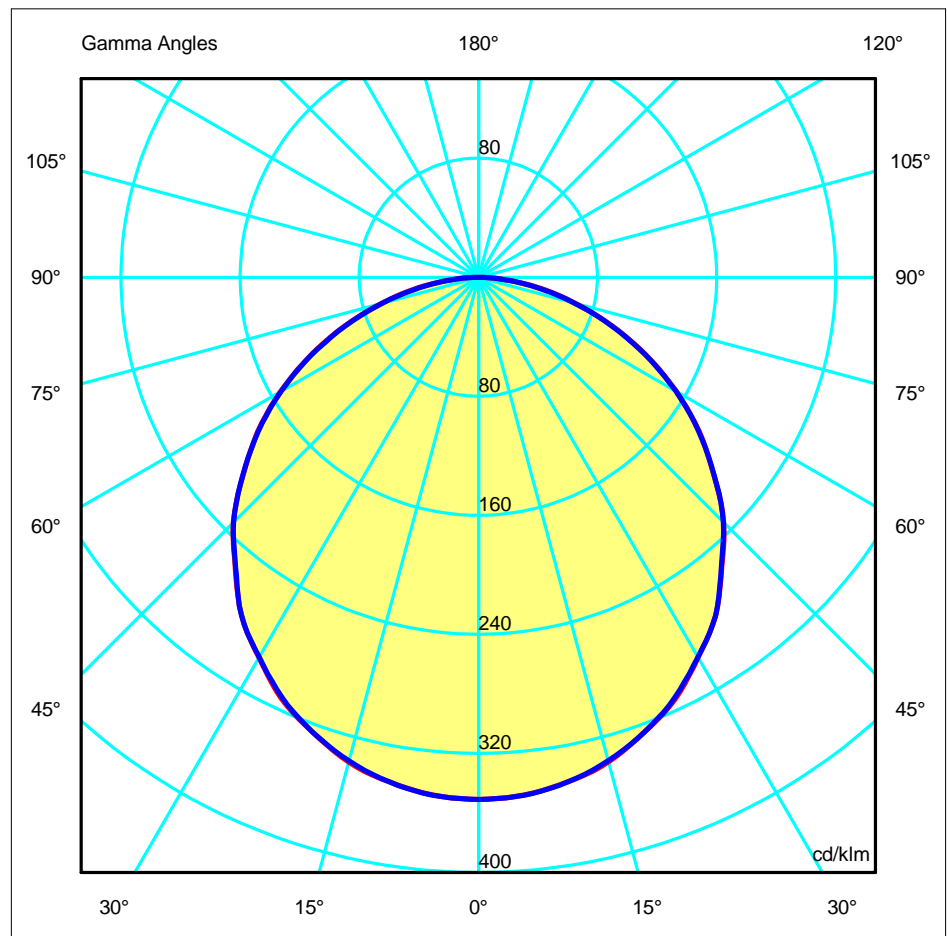
Luminaire Lamps					
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	TC-0150-BLA	TC-0150-BLA - 17.00 W	1371.16	17.00	1
C.I.E.	47 78 95 100 100				
F UTE	1.00 E	D DIN 5040	A30		
		B NBN	BZ 5		

Diam=225mm



C Halfplanes  
 180.0 — 0.0  
 270.0 — 90.0

ULOR 0.00 %  
 DLOR 100.00 %  
 RN 0.00 %





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Luminaire Flux	1371.15 lm	Luminaire Power	17.00 W	Efficacy	80.66 lm/W	Efficiency	100.00%
Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

**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	350.90	350.90	350.90	350.90	350.90	350.90	350.90
G 5.0	349.21	349.22	349.31	349.18	349.27	349.16	349.30
G 10.0	344.38	344.40	344.43	344.48	344.33	344.32	344.33
G 15.0	337.20	336.33	336.48	336.29	336.34	336.34	336.35
G 20.0	325.36	325.63	325.35	325.83	325.27	325.47	325.23
G 25.0	312.72	311.30	312.42	311.87	311.45	311.49	311.76
G 30.0	294.98	295.54	294.86	295.33	295.11	295.38	294.65
G 35.0	277.47	276.07	277.22	276.30	276.70	276.26	277.49
G 40.0	254.17	255.78	254.22	254.92	255.80	255.45	253.71
G 45.0	232.82	231.65	232.59	231.50	232.74	231.39	232.53
G 50.0	206.34	207.65	205.74	207.04	207.51	207.44	206.61
G 55.0	181.02	180.56	181.06	180.57	180.57	180.85	180.54
G 60.0	153.33	153.32	152.62	152.91	152.40	152.52	152.97
G 65.0	124.65	124.05	124.30	124.06	123.96	123.83	123.92
G 70.0	95.35	95.42	95.36	95.15	94.71	94.92	94.72
G 75.0	67.32	67.39	67.32	66.83	66.64	66.71	66.46
G 80.0	41.59	41.15	41.34	40.55	40.54	40.28	40.05
G 85.0	17.59	18.31	17.53	17.73	17.30	17.91	17.13
G 90.0	0.96	0.98	0.96	1.01	0.94	0.98	0.95

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**Measur.**

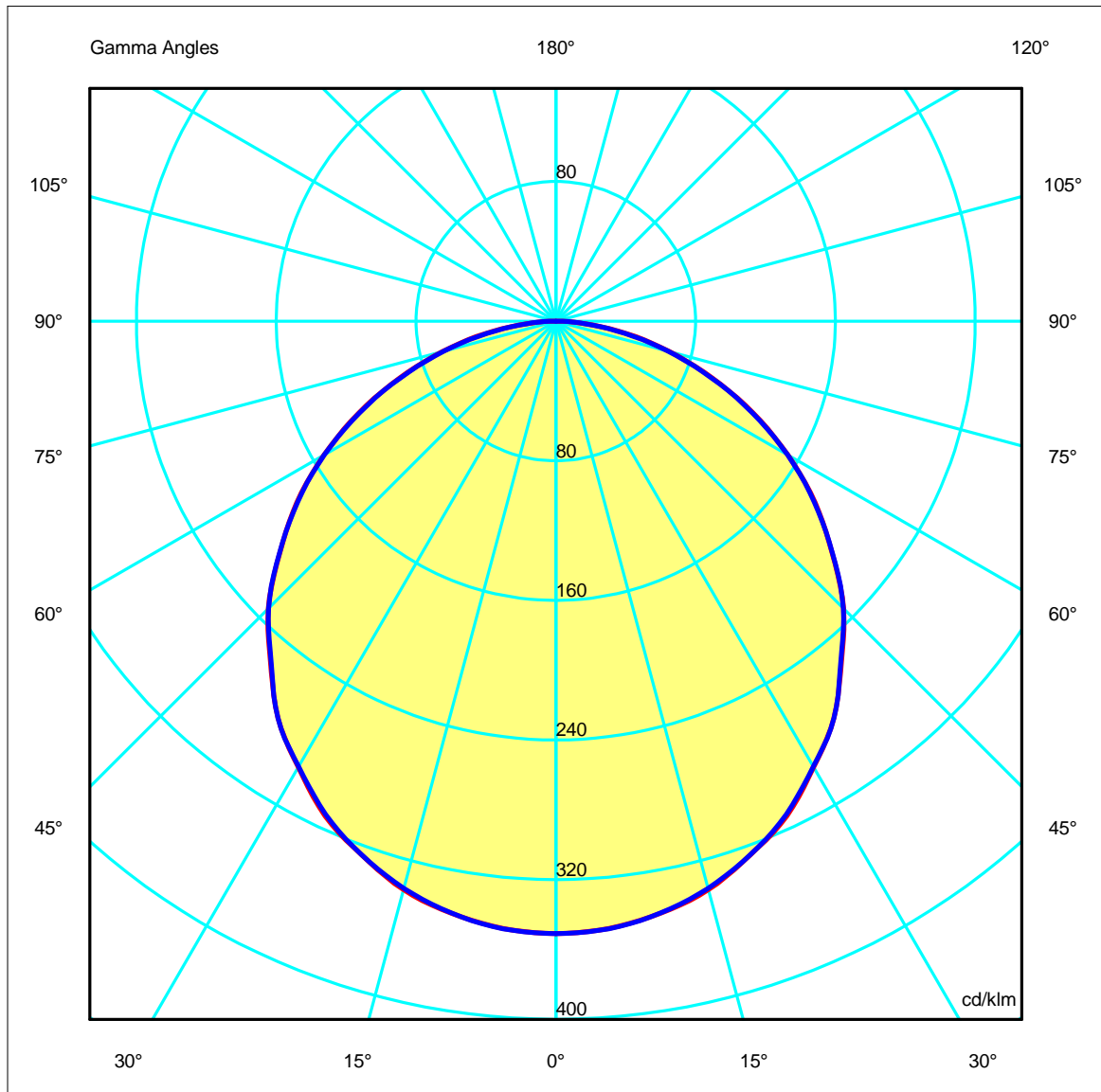
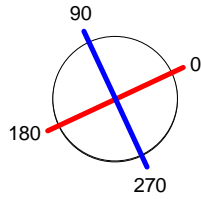
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Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=225mm

C Halfplanes

180.0 ——— 0.0  
 270.0 ——— 90.0



**Luminaire**

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**Measur.**

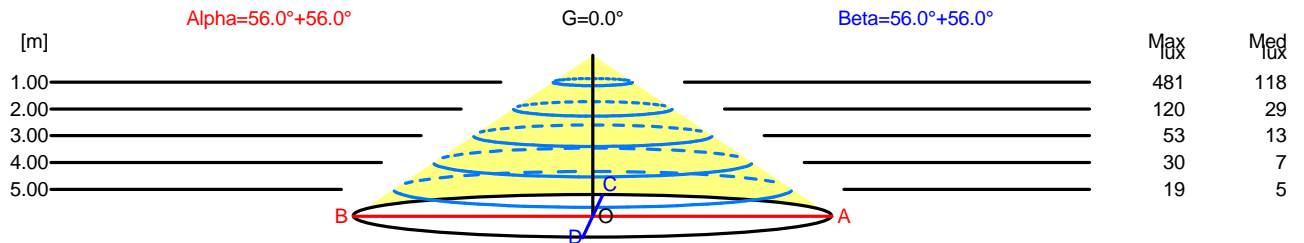
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Width at 50.00 % of Max Intensity

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	1.49	2.97	4.46	5.94	7.43	OC	1.48	2.96	4.44	5.92	7.40
OB	1.49	2.97	4.46	5.94	7.43	OD	1.48	2.96	4.44	5.92	7.40

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	481.14	478.82	462.36	428.79	380.46	319.23	248.21	170.92	92.31	24.12
OB	481.14	478.82	462.36	428.79	380.46	319.23	248.21	170.92	92.31	24.12
OC	481.14	478.95	461.18	427.47	380.48	318.83	247.55	169.91	91.13	23.48
OD	481.14	478.95	461.18	427.47	380.48	318.83	247.55	169.91	91.13	23.48



H[m]	D[m]	Max lux	Med lux	Alpha=56.0°+56.0°	G=0.0
1.00	2.97	481	118		
2.00	5.94	120	29		
3.00	8.91	53	13		
4.00	11.88	30	7		
5.00	14.85	19	5		

H[m]	D[m]	Max lux	Med lux	Beta=56.0°+56.0°	G=0.0
1.00	2.96	481	118		
2.00	5.92	120	29		
3.00	8.88	53	13		
4.00	11.84	30	7		
5.00	14.80	19	5		



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**Measurement**

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Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

**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	22.5	23.8	22.8	24.1	24.3	22.5	23.8	22.8	24.0	24.3
x=2H y=3H	24.1	25.3	24.5	25.6	25.9	24.1	25.3	24.4	25.6	25.9
x=2H y=4H	24.8	25.9	25.1	26.2	26.5	24.8	25.9	25.1	26.2	26.5
x=2H y=6H	25.3	26.4	25.7	26.7	26.9	25.2	26.3	25.6	26.6	26.9
x=2H y=8H	25.5	26.5	25.8	26.8	27.1	25.4	26.4	25.8	26.7	27.1
x=2H y=12H	25.6	26.5	26.0	26.9	27.1	25.5	26.5	25.9	26.8	27.1
x=4H y=2H	23.3	24.4	23.6	24.7	25.0	23.3	24.4	23.6	24.7	25.0
x=4H y=3H	25.1	26.0	25.5	26.4	26.7	25.1	26.0	25.4	26.3	26.7
x=4H y=4H	25.9	26.7	26.3	27.1	27.4	25.8	26.7	26.2	27.1	27.4
x=4H y=6H	26.5	27.2	26.9	27.6	28.0	26.5	27.2	26.9	27.6	28.0
x=4H y=8H	26.7	27.4	27.2	27.8	28.2	26.7	27.4	27.1	27.7	28.2
x=4H y=12H	26.9	27.5	27.3	27.9	28.3	26.8	27.5	27.3	27.9	28.3
x=8H y=4H	26.2	26.9	26.7	27.3	27.7	26.2	26.9	26.6	27.3	27.7
x=8H y=6H	27.0	27.6	27.5	28.0	28.4	26.9	27.5	27.4	28.0	28.4
x=8H y=8H	27.3	27.8	27.8	28.2	28.7	27.2	27.7	27.7	28.2	28.7
x=8H y=12H	27.5	28.0	28.0	28.4	28.9	27.5	27.9	27.9	28.4	28.9
x=12H y=4H	26.3	26.9	26.7	27.3	27.7	26.2	26.9	26.7	27.3	27.7
x=12H y=6H	27.1	27.6	27.6	28.0	28.4	27.0	27.5	27.5	28.0	28.4
x=12H y=8H	27.4	27.8	27.9	28.3	28.7	27.4	27.8	27.8	28.3	28.7

**Luminaire**

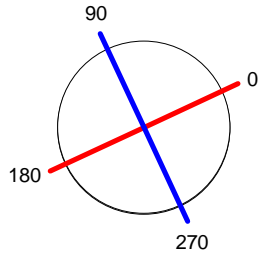
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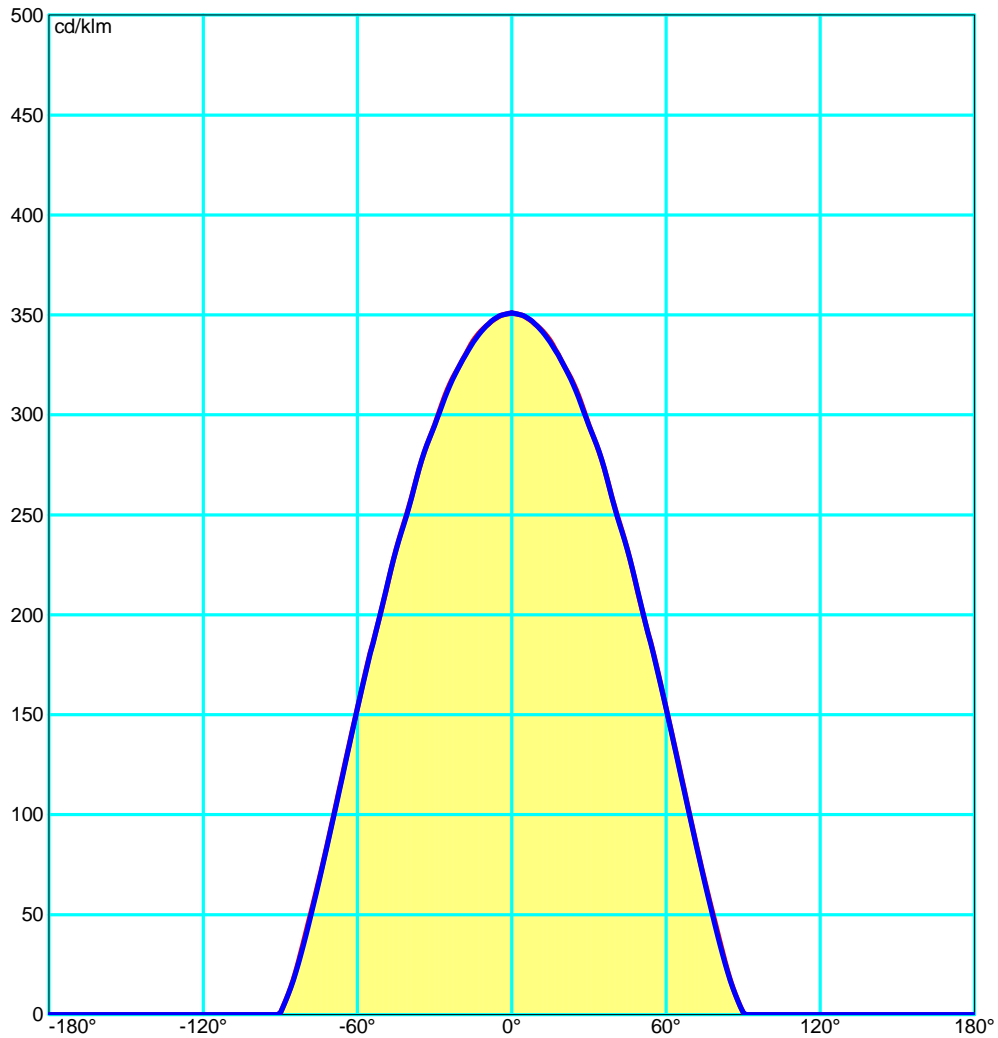
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Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=225mm



C Halfplanes

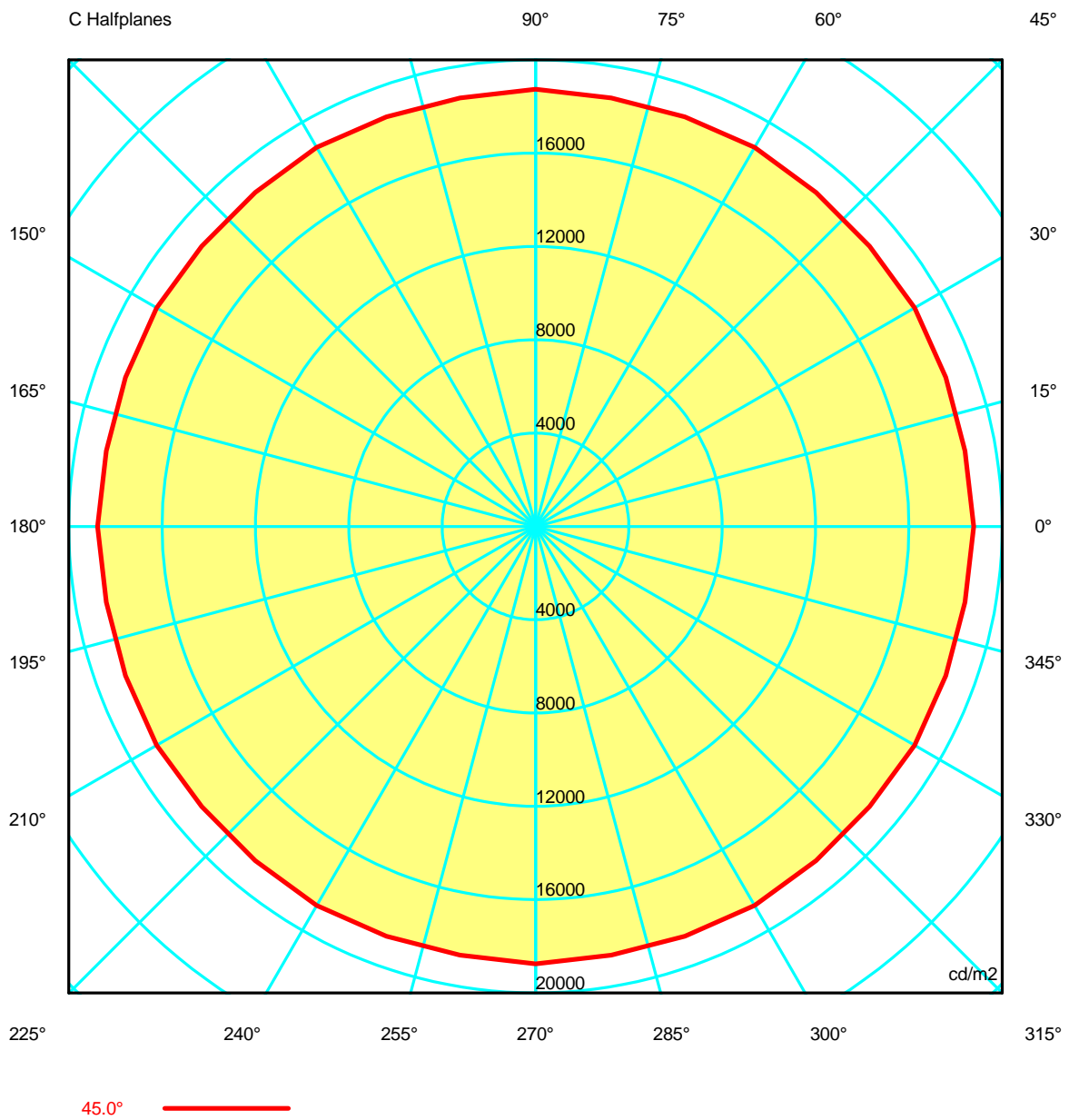
180.0 ———— 0.0  
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Luminance





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Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

**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	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45
G 5.0	19983.10	19983.50	19986.09	19988.86	19983.07	19982.42	19986.57	19982.10	19981.01	19988.40	19981.01	19982.10	19986.57
G 10.0	19934.73	19935.26	19935.89	19937.66	19940.70	19938.12	19931.66	19931.17	19931.28	19931.44	19931.28	19931.17	19931.66
G 15.0	19900.72	19859.83	19848.85	19857.92	19851.28	19847.91	19849.93	19849.93	19849.96	19850.00	19849.96	19849.93	19849.93
G 20.0	19737.47	19753.46	19747.11	19737.35	19759.96	19758.40	19732.35	19738.47	19743.81	19729.75	19743.81	19738.47	19732.35
G 25.0	19669.64	19591.57	19597.63	19650.77	19635.75	19601.87	19589.59	19589.41	19597.16	19609.46	19597.16	19589.41	19589.59
G 30.0	19417.27	19452.14	19439.78	19408.79	19428.94	19438.12	19425.24	19439.60	19435.44	19395.27	19435.44	19439.60	19425.24
G 35.0	19309.73	19222.27	19235.24	19292.39	19250.34	19230.08	19255.70	19231.82	19239.46	19310.78	19239.46	19231.82	19255.70
G 40.0	18914.55	19021.83	19004.26	18917.79	18937.22	18999.76	19035.62	19030.65	18974.26	18880.27	18974.26	19030.65	19035.72
G 45.0	18769.38	18683.55	18700.86	18751.16	18682.86	18690.85	18762.85	18690.82	18657.74	18746.03	18657.74	18690.82	18762.85
G 50.0	18298.92	18413.05	18363.46	18245.82	18308.41	18391.57	18403.17	18404.03	18378.68	18323.60	18378.68	18404.03	18403.17
G 55.0	17991.05	17947.88	17960.19	17994.48	17966.40	17937.41	17946.34	17968.89	17969.77	17943.65	17969.77	17968.89	17946.34
G 60.0	17481.94	17480.86	17451.34	17400.11	17424.07	17421.36	17375.12	17374.91	17404.94	17440.55	17404.94	17374.91	17375.12
G 65.0	16813.92	16746.79	16739.38	16766.18	16748.02	16725.97	16720.06	16707.86	16704.45	16715.30	16704.45	16707.86	16720.06
G 70.0	15892.86	15902.42	15902.61	15893.45	15877.10	15830.09	15786.22	15807.83	15819.50	15787.42	15819.50	15807.83	15786.22
G 75.0	14827.34	14837.32	14845.44	14827.20	14757.17	14694.22	14676.79	14691.06	14683.02	14638.75	14683.02	14691.06	14676.79
G 80.0	13653.46	13525.67	13537.30	13572.79	13396.31	13310.45	13308.55	13262.40	13193.32	13147.00	13193.32	13262.40	13308.55
G 85.0	11507.07	11937.70	11835.03	11467.63	11557.07	11505.62	11318.19	11603.73	11656.12	11201.86	11656.12	11603.73	11318.19
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



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**Measurerm.**

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**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	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45
G 5.0	19982.42	19983.07	19988.86	19988.09	19983.50	19983.10	19983.50	19986.09	19988.86	19983.07	19982.42	19986.57	19982.10
G 10.0	19938.12	19940.70	19937.66	19935.89	19935.26	19934.73	19935.26	19935.89	19937.66	19940.70	19938.12	19931.66	19931.17
G 15.0	19847.91	19851.28	19857.92	19848.85	19859.83	19900.72	19859.83	19848.85	19857.92	19851.28	19847.91	19849.93	19849.93
G 20.0	19758.40	19759.96	19737.35	19747.11	19753.46	19737.47	19753.46	19747.11	19737.35	19759.96	19758.40	19732.35	19738.47
G 25.0	19601.87	19635.75	19650.77	19597.63	19591.57	19669.64	19591.57	19597.63	19650.77	19635.75	19601.87	19589.59	19589.41
G 30.0	19438.12	19428.94	19408.79	19439.78	19452.14	19417.27	19452.14	19439.78	19408.79	19428.94	19438.12	19425.24	19439.60
G 35.0	19230.08	19250.34	19292.39	19235.24	19222.27	19309.73	19222.27	19235.24	19292.39	19250.34	19230.08	19230.08	19231.82
G 40.0	18999.76	18937.22	18917.79	19004.26	19021.83	18914.55	19021.83	19004.26	18917.79	18937.22	18999.76	19035.72	19030.65
G 45.0	18690.85	18682.86	18751.16	18700.86	18683.55	18769.38	18683.55	18700.86	18751.16	18682.86	18690.85	18762.85	18690.82
G 50.0	18391.57	18308.41	18245.82	18363.46	18413.05	18298.92	18413.05	18363.46	18245.82	18308.41	18391.57	18403.17	18404.03
G 55.0	17937.41	17966.40	17994.48	17960.19	17947.88	17991.05	17947.88	17960.19	17994.48	17966.40	17937.41	17946.34	17968.89
G 60.0	17421.36	17424.07	17400.11	17451.34	17480.86	17481.94	17480.86	17451.34	17400.11	17424.07	17421.36	17375.12	17374.91
G 65.0	16725.97	16748.02	16766.18	16739.38	16746.79	16813.92	16746.79	16739.38	16766.18	16748.02	16725.97	16720.06	16707.86
G 70.0	15830.09	15877.10	15893.45	15902.61	15902.42	15892.86	15902.42	15902.61	15893.45	15877.10	15830.09	15786.22	15807.83
G 75.0	14694.22	14757.17	14827.20	14845.44	14837.32	14827.34	14837.32	14845.44	14827.20	14757.17	14694.22	14676.79	14691.06
G 80.0	13310.45	13396.31	13572.79	13537.30	13525.67	13653.46	13525.67	13537.30	13572.79	13396.31	13310.45	13308.55	13262.40
G 85.0	11505.62	11557.07	11467.63	11835.03	11937.70	11507.07	11937.70	11835.03	11467.63	11557.07	11505.62	11318.19	11603.73
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



**Luminaire**

Code TC-0150-BLA  
 Name Downlight FORLIGHT 15.5W 3000K

**Measur.**

Code TC-0150-BLA  
 Name Downlight FORLIGHT 15.5W 3000K

Luminaire Flux	1371.15 lm	Luminaire Power	17.00 W	Efficacy	80.66 lm/W	Efficiency	100.00%
Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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

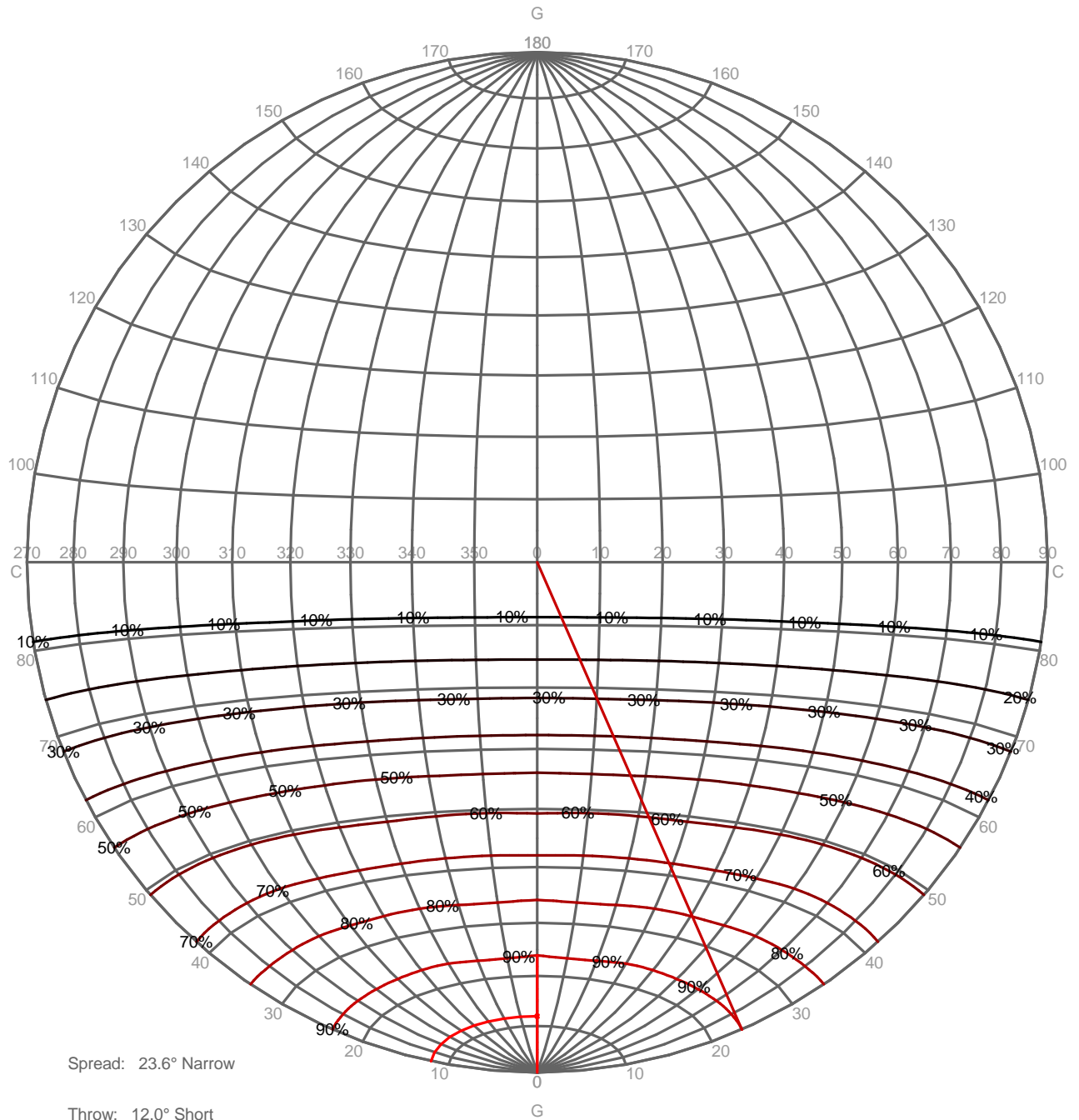
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45	20003.45
G 5.0	19981.01	19988.40	19981.01	19982.10	19986.57	19982.42	19983.07	19988.86	19986.09	19983.50
G 10.0	19931.28	19931.44	19931.28	19931.17	19931.66	19938.12	19940.70	19937.66	19935.89	19935.26
G 15.0	19849.96	19850.00	19849.96	19849.93	19849.93	19847.91	19851.28	19857.92	19848.85	19859.83
G 20.0	19743.81	19729.75	19743.81	19738.47	19732.35	19758.40	19759.96	19737.35	19747.11	19753.46
G 25.0	19597.16	19609.46	19597.16	19589.41	19589.59	19601.87	19635.75	19650.77	19597.63	19591.57
G 30.0	19435.44	19395.27	19435.44	19439.60	19425.24	19438.12	19428.94	19408.79	19439.78	19452.14
G 35.0	19239.46	19310.78	19239.46	19231.82	19255.70	19230.08	19250.34	19292.39	19235.24	19222.27
G 40.0	18974.26	18880.27	18974.26	19030.65	19035.72	18999.76	18937.22	18917.79	19004.26	19021.83
G 45.0	18657.74	18746.03	18657.74	18690.82	18762.85	18690.85	18682.86	18751.16	18700.86	18683.55
G 50.0	18378.68	18323.60	18378.68	18404.03	18403.17	18391.57	18308.41	18245.82	18363.46	18413.05
G 55.0	17969.77	17943.65	17969.77	17968.89	17946.34	17937.41	17966.40	17994.48	17960.19	17947.88
G 60.0	17404.94	17440.55	17404.94	17374.91	17375.12	17421.36	17424.07	17400.11	17451.34	17480.86
G 65.0	16704.45	16715.30	16704.45	16707.86	16720.06	16725.97	16748.02	16766.18	16739.38	16746.79
G 70.0	15819.50	15787.42	15819.50	15807.83	15786.22	15830.09	15877.10	15893.45	15902.61	15902.42
G 75.0	14683.02	14638.75	14683.02	14691.06	14676.79	14694.22	14757.17	14827.20	14845.44	14837.32
G 80.0	13193.32	13147.00	13193.32	13262.40	13308.55	13310.45	13396.31	13572.79	13537.30	13525.67
G 85.0	11656.12	11201.86	11656.12	11603.73	11318.19	11505.62	11557.07	11467.63	11835.03	11937.70
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Luminaire**  
 Code TC-0150-BLA  
 Name Downlight FORLIGHT 15.5W 3000K  
**Measur.**  
 Code TC-0150-BLA  
 Name Downlight FORLIGHT 15.5W 3000K

Luminaire Flux	1371.15 lm	Luminaire Power	17.00 W	Efficacy	80.66 lm/W	Efficiency	100.00%
Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

**PERCENTAGE ISOCANDLES**

Projection: Equal Area SLI (glare) 6.2 Tight Tilting Angle:0°





**Luminaire**

Code TC-0150-BLA  
Name Downlight FORLIGHT 15.5W 3000K

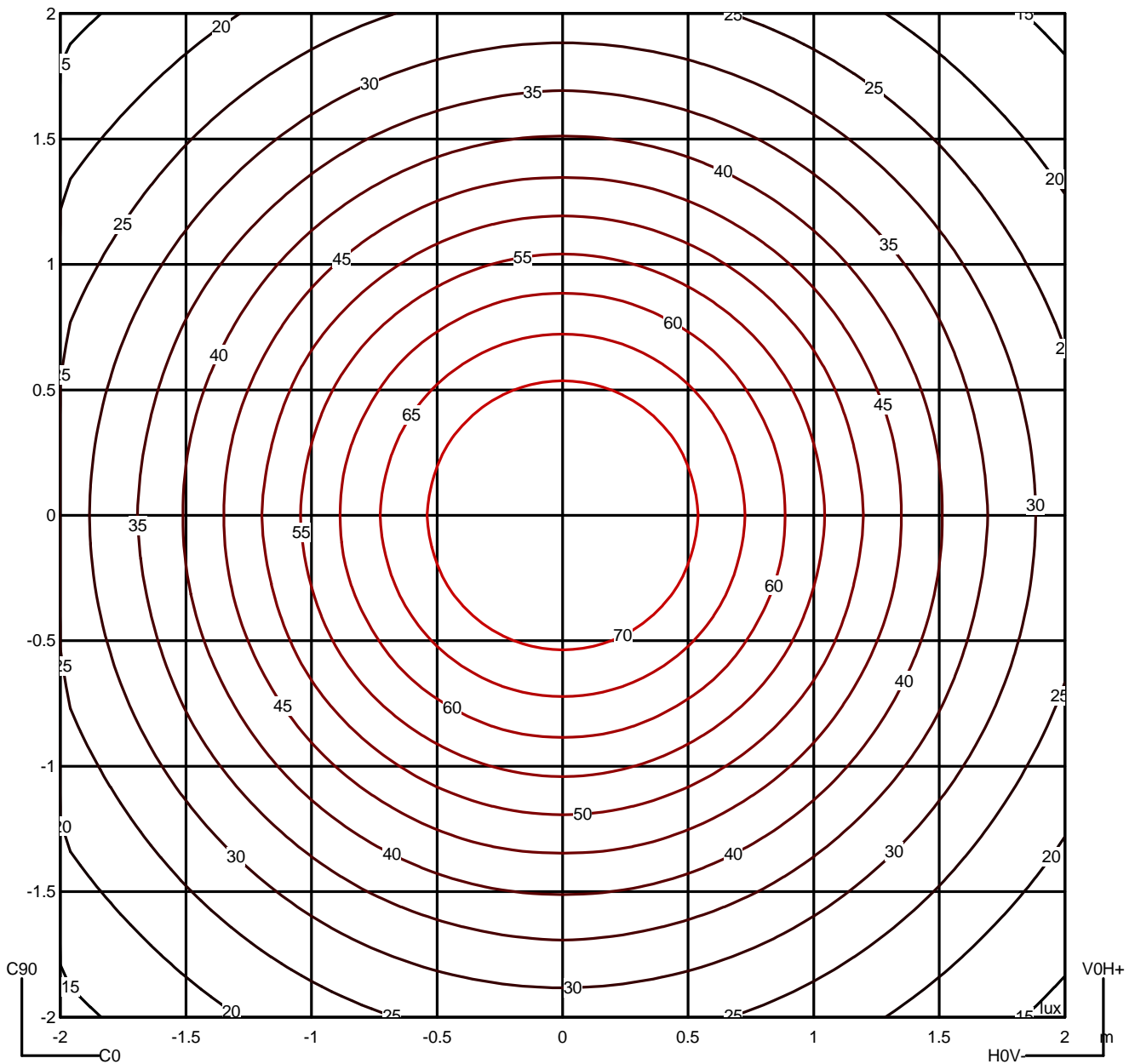
**Measur.**

Code TC-0150-BLA  
Name Downlight FORLIGHT 15.5W 3000K

Luminaire Flux	1371.15 lm	Luminaire Power	17.00 W	Efficacy	80.66 lm/W	Efficiency	100.00%
Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



**Luminaire**

Code TC-0150-BLA  
 Name Downlight FORLIGHT 15.5W 3000K

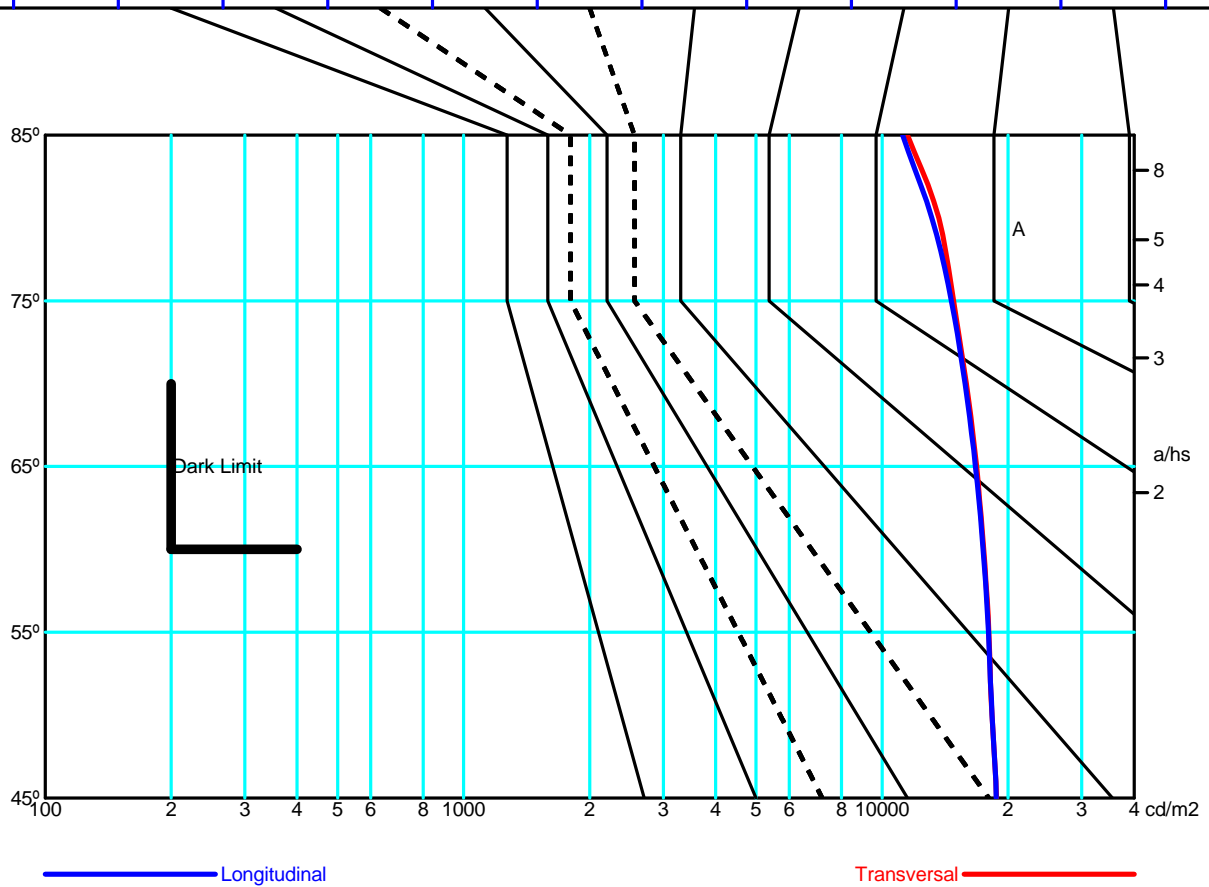
**Measurement**

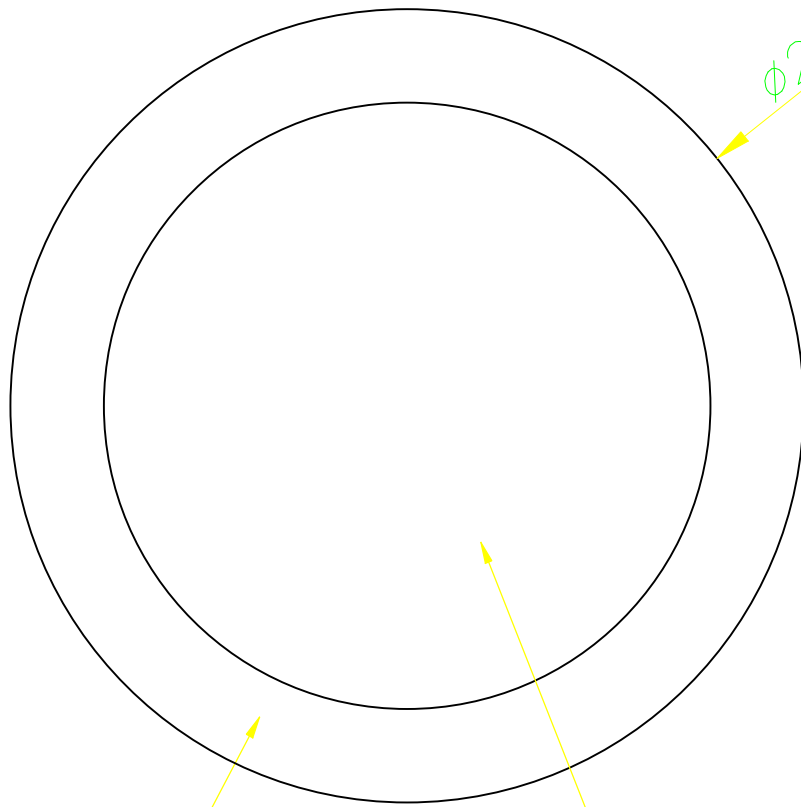
Code TC-0150-BLA  
 Name Downlight FORLIGHT 15.5W 3000K

Luminaire Flux	1371.15 lm	Luminaire Power	17.00 W	Efficacy	80.66 lm/W	Efficiency	100.00%
Lamps Flux	1371.16 lm	Maximum value	350.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	18769	18299	17991	17482	16814	15893	14827	13653	11507	---	
90.0°	18746	18324	17944	17441	16715	15787	14639	13147	11202	---	

Flush mounted or longitudinal 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

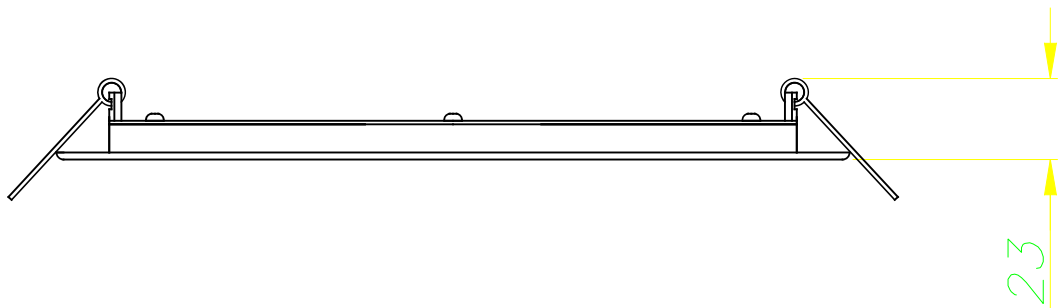




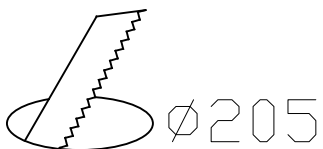
$\phi 225$

ALUMINIO INYECTADO  
INJECTED ALUMINIUM

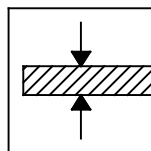
ACRÍLICO  
OPAL



23

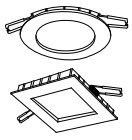


$\phi 205$



0-12mm

Scale 1:2



# Easy

# FOR LIGHT

