

Photometric test report

Family Modario® 31	Order number: 53BM812CV6C5D2 EAN: 4069025123114	LP number 59594_20
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
0°	293.1	293.1	293.1	293.1	293.1	293.1	293.1	1.8	1.8
5°	296.1	295.6	293.1	293.6	293.8	293.0	292.9	14.0	15.8
10°	296.3	296.3	293.6	293.6	292.6	289.9	288.9	27.9	43.7
15°	290.3	290.9	288.4	289.1	288.3	284.2	281.9	40.8	84.5
20°	287.9	288.2	282.8	281.1	280.6	275.9	272.2	52.8	137.3
25°	291.3	290.8	281.6	274.0	270.0	264.7	259.4	64.0	201.2
30°	299.8	298.4	283.7	269.7	258.3	250.5	243.7	74.6	275.8
35°	307.3	306.0	288.6	266.7	246.6	233.7	225.0	84.2	360.1
40°	297.5	299.0	287.4	263.1	235.0	215.2	204.3	91.1	451.1
45°	263.6	268.2	268.7	253.4	221.8	194.2	181.1	92.3	543.4
50°	218.1	223.5	232.0	231.1	204.9	171.7	156.1	87.5	630.9
55°	172.9	177.3	186.9	195.4	181.1	147.5	130.2	77.8	708.7
60°	132.3	135.3	142.3	152.9	149.4	121.4	104.1	64.8	773.5
65°	98.5	100.2	104.0	112.2	114.5	94.5	79.4	50.9	824.4
70°	71.4	72.6	74.4	79.3	82.2	69.0	57.1	37.9	862.3
75°	51.0	51.6	52.9	55.5	55.9	46.4	37.5	27.0	889.4
80°	39.4	39.1	38.7	38.1	35.5	27.5	20.9	18.8	908.2
85°	32.8	32.1	30.1	26.5	21.0	13.7	8.3	13.1	921.3
90°	27.7	27.1	24.5	19.3	12.6	5.6	0.8	9.4	930.7
95°	24.8	24.4	22.4	17.8	11.6	5.3	0.8	8.6	939.3
100°	22.5	22.2	20.5	16.7	11.5	5.5	0.8	7.9	947.2
105°	20.6	20.3	18.7	16.0	11.5	5.9	0.8	7.3	954.6
110°	19.2	18.7	17.6	15.5	11.7	6.3	0.7	6.8	961.4
115°	18.2	17.8	17.0	15.3	12.2	5.8	0.8	6.4	967.8
120°	17.9	17.4	16.9	15.5	12.3	5.3	0.8	6.1	973.9
125°	17.8	17.4	16.9	15.5	11.8	5.2	0.8	5.7	979.6
130°	17.9	17.4	16.8	15.0	10.1	5.0	0.9	5.2	984.7
135°	17.9	17.3	16.2	13.6	8.1	4.3	1.0	4.5	989.2
140°	16.9	16.0	14.5	11.2	6.7	3.5	1.1	3.6	992.8
145°	14.9	14.0	12.0	8.5	5.5	2.8	1.2	2.7	995.4
150°	11.8	10.8	9.0	6.5	4.7	2.2	1.4	1.8	997.3
155°	8.6	8.1	7.0	5.2	4.0	1.7	1.5	1.2	998.5
160°	6.8	6.5	5.3	4.3	3.2	1.5	1.5	0.8	999.2
165°	5.5	5.3	3.9	3.4	2.1	1.6	1.6	0.5	999.7
170°	3.8	3.1	2.5	2.0	1.6	1.6	1.6	0.2	999.9
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.1	1000.0
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1000.0

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UGR-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	23.7	25.4	24.1	25.7	26.0	23.5	25.2	23.9	25.5	25.8
	3H	24.6	26.1	24.9	26.4	26.8	24.6	26.2	25.0	26.5	26.8
	4H	24.9	26.3	25.3	26.7	27.0	25.0	26.5	25.4	26.8	27.2
	6H	25.2	26.5	25.6	26.9	27.3	25.3	26.6	25.7	27.0	27.4
	8H	25.4	26.6	25.8	27.0	27.4	25.4	26.6	25.8	27.0	27.4
	12H	25.5	26.7	25.9	27.1	27.5	25.4	26.6	25.8	27.0	27.4
4H	2H	24.4	25.8	24.8	26.2	26.5	24.2	25.7	24.6	26.0	26.4
	3H	25.4	26.6	25.8	27.0	27.4	25.6	26.8	26.0	27.2	27.6
	4H	25.8	26.9	26.2	27.3	27.7	26.1	27.2	26.5	27.6	28.0
	6H	26.2	27.1	26.6	27.5	28.0	26.4	27.4	26.9	27.8	28.3
	8H	26.4	27.2	26.8	27.7	28.2	26.5	27.4	27.0	27.9	28.4
	12H	26.6	27.4	27.1	27.8	28.3	26.6	27.4	27.1	27.9	28.4
8H	4H	26.0	26.9	26.5	27.4	27.8	26.3	27.2	26.8	27.6	28.1
	6H	26.5	27.3	27.0	27.7	28.2	26.8	27.5	27.3	28.0	28.5
	8H	26.8	27.5	27.3	28.0	28.5	27.0	27.6	27.5	28.1	28.6
	12H	27.2	27.7	27.7	28.2	28.7	27.1	27.7	27.6	28.2	28.7
12H	4H	26.1	26.9	26.5	27.3	27.8	26.4	27.1	26.8	27.6	28.1
	6H	26.6	27.3	27.1	27.7	28.3	26.9	27.5	27.4	28.0	28.5
	8H	26.9	27.5	27.5	28.0	28.5	27.1	27.7	27.6	28.2	28.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1476	H(C0) = 25	H(C180) = 25
			B = 75	H(C90) = 0	H(C270) = 0

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		31977.8	32817.1	33723.9	33164.5	30752.8	28916.6	29293.6	
50°		27769.9	28734.2	30711.4	32094.9	30407.0	27704.9	27773.6	
55°		23352.2	24210.1	26384.5	29153.4	29158.7	26188.7	25968.6	
60°		19185.0	19860.7	21692.4	24833.1	26513.6	24150.6	23821.2	
65°		15547.5	16045.3	17387.3	20173.1	22835.6	21568.3	21476.4	
70°		12453.3	12875.8	13864.7	16097.3	18857.8	18653.7	19080.5	
75°		10037.0	10357.1	11245.8	13045.4	15226.0	15495.0	16561.1	
80°		8977.6	9116.8	9652.5	10748.3	12031.4	12171.7	13761.3	
85°		8946.5	9010.7	9193.7	9410.9	9501.8	9038.0	10942.2	

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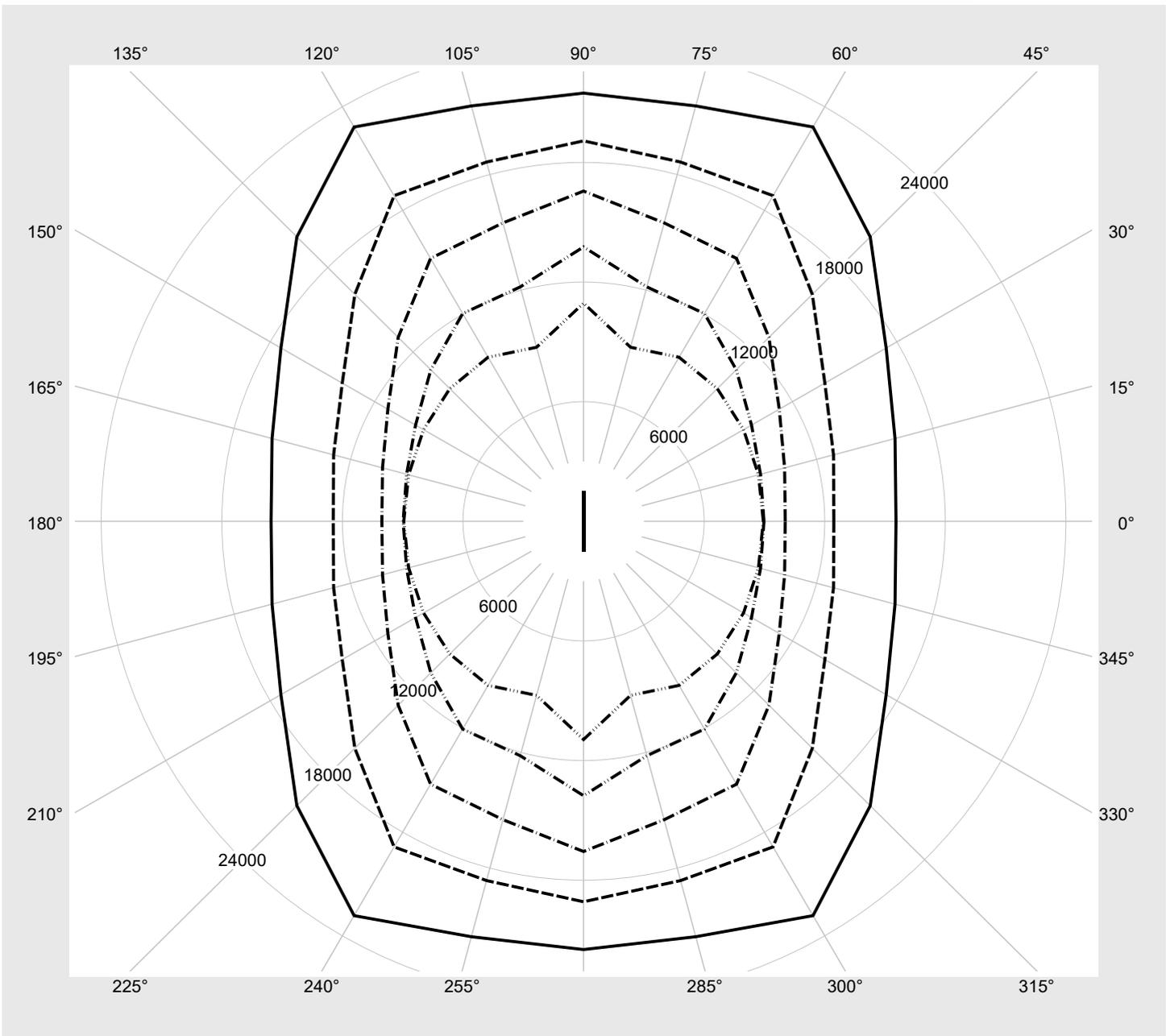
Family
Modario® 31

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	12660	68.5	82.3	75.4
2	A	C	F	11840	63.8	76.3	70.0
3	A	D	E	11090	59.5	71.1	65.3
4	A	D	F	10330	55.2	65.9	60.6
5	B	C	E	9570	51.0	60.7	55.8
6	B	C	F	8800	46.7	55.6	51.2
7	B	D	E	8020	42.4	50.5	46.4
8	B	D	F	7320	38.7	45.8	42.2