

Photometric test report

Family Modario® 31	Order number: 53BM812C1V6105 EAN: 4058352434604	LP number 59064_5
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	301.8	301.8	301.8	301.8	301.8	301.8	301.8	1.8	1.8
5°	303.3	302.1	299.9	300.9	301.9	301.5	301.6	14.4	16.2
10°	300.8	300.0	297.7	298.5	298.9	297.8	297.4	28.4	44.6
15°	294.6	294.3	291.7	292.6	293.1	291.2	290.3	41.5	86.1
20°	291.3	290.6	285.8	284.4	284.3	281.8	280.2	53.5	139.7
25°	293.0	291.5	283.0	276.7	273.3	269.6	266.9	64.6	204.3
30°	298.0	296.0	283.3	270.8	261.1	254.6	250.8	74.9	279.2
35°	299.0	297.5	283.8	265.6	248.4	237.0	231.5	83.7	362.9
40°	283.7	284.3	276.5	258.3	235.0	217.5	209.8	89.2	452.1
45°	250.6	253.6	254.2	243.8	219.3	195.5	185.4	89.4	541.5
50°	210.8	214.1	220.0	218.9	199.3	171.7	159.1	84.6	626.1
55°	171.6	174.1	180.5	185.1	173.7	146.4	132.4	75.7	701.8
60°	135.7	137.3	141.6	147.2	142.6	119.7	105.6	64.0	765.8
65°	104.1	104.9	107.1	111.0	110.3	93.2	80.6	51.2	817.1
70°	75.8	76.7	78.0	80.6	80.3	68.4	58.2	38.7	855.8
75°	55.2	55.4	55.7	57.0	55.4	46.3	38.3	27.9	883.7
80°	42.4	41.9	40.8	39.2	35.6	27.7	21.5	19.5	903.3
85°	34.5	33.8	31.7	27.6	21.5	14.0	8.7	13.7	916.9
90°	28.5	27.9	25.4	20.0	13.0	5.8	0.8	9.7	926.7
95°	25.4	25.0	22.9	18.2	11.9	5.4	1.1	8.8	935.5
100°	23.4	22.9	21.0	17.1	11.6	5.5	1.7	8.2	943.6
105°	21.5	21.0	19.3	16.3	11.6	5.8	2.4	7.6	951.2
110°	19.9	19.3	18.1	15.8	11.8	6.2	2.9	7.1	958.3
115°	18.9	18.4	17.5	15.6	12.1	6.5	2.9	6.7	965.0
120°	18.5	17.9	17.3	15.6	12.2	6.6	2.9	6.3	971.4
125°	18.2	17.7	17.1	15.5	11.7	6.5	2.7	5.9	977.3
130°	18.1	17.6	16.9	14.9	10.9	6.2	2.5	5.4	982.6
135°	17.9	17.2	16.1	13.6	9.8	5.6	2.4	4.7	987.3
140°	16.8	15.9	14.5	12.0	8.4	5.0	2.2	3.8	991.1
145°	14.9	14.0	12.6	10.1	6.9	4.5	2.0	3.0	994.1
150°	12.5	11.8	10.5	8.0	5.7	4.2	1.8	2.2	996.3
155°	10.2	9.6	8.4	6.3	5.0	3.7	1.6	1.5	997.8
160°	8.1	7.7	6.3	5.1	4.6	3.6	1.5	1.0	998.8
165°	6.4	6.2	4.7	4.5	4.1	4.7	1.5	0.7	999.5
170°	5.4	4.4	3.9	4.0	3.9	3.8	1.5	0.4	999.8
175°	3.9	3.2	4.4	4.7	3.9	2.2	1.5	0.2	1000.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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	23.0	24.7	23.3	25.0	25.3	22.8	24.5	23.1	24.8	25.1
	3H	24.0	25.5	24.3	25.8	26.2	23.9	25.5	24.3	25.8	26.1
	4H	24.3	25.8	24.7	26.1	26.5	24.3	25.8	24.7	26.1	26.5
	6H	24.7	26.0	25.1	26.3	26.7	24.6	26.0	25.0	26.3	26.7
	8H	24.9	26.1	25.3	26.5	26.9	24.7	26.0	25.1	26.4	26.8
	12H	25.0	26.2	25.5	26.6	27.0	24.8	26.0	25.2	26.3	26.8
4H	2H	23.6	25.1	24.0	25.4	25.8	23.5	24.9	23.9	25.3	25.7
	3H	24.8	26.0	25.2	26.4	26.8	24.9	26.1	25.3	26.5	26.9
	4H	25.2	26.3	25.7	26.7	27.2	25.4	26.5	25.8	26.9	27.3
	6H	25.7	26.6	26.1	27.1	27.5	25.8	26.7	26.2	27.2	27.6
	8H	25.9	26.8	26.4	27.2	27.7	25.9	26.8	26.3	27.2	27.7
	12H	26.2	26.9	26.6	27.4	27.9	26.0	26.8	26.4	27.2	27.7
8H	4H	25.5	26.4	26.0	26.8	27.3	25.6	26.5	26.1	27.0	27.4
	6H	26.1	26.8	26.5	27.3	27.8	26.1	26.9	26.6	27.4	27.8
	8H	26.4	27.0	26.9	27.5	28.0	26.3	27.0	26.8	27.5	28.0
	12H	26.7	27.3	27.2	27.8	28.3	26.5	27.0	27.0	27.5	28.1
12H	4H	25.5	26.3	26.0	26.8	27.3	25.7	26.5	26.2	26.9	27.4
	6H	26.1	26.8	26.6	27.3	27.8	26.2	26.9	26.7	27.4	27.9
	8H	26.5	27.1	27.0	27.6	28.1	26.5	27.0	27.0	27.5	28.0

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°		25358.9	25874.9	26605.9	26616.2	25360.1	24275.4	25007.7
50°		22394.6	22963.2	24286.4	25363.6	24678.6	23105.4	23617.2
55°		19337.1	19837.2	21256.5	23030.7	23329.8	21674.5	22011.6
60°		16417.0	16814.2	18009.2	19944.5	21109.6	19873.5	20147.6
65°		13696.2	14010.2	14930.2	16649.8	18333.5	17760.6	18184.6
70°		11034.3	11346.3	12126.2	13651.6	15366.8	15426.7	16231.2
75°		9060.1	9274.6	9877.0	11170.7	12589.3	12902.7	14121.4
80°		8050.1	8145.1	8509.0	9225.9	10061.7	10207.7	11790.1
85°		7856.6	7908.9	8058.2	8163.6	8081.7	7698.6	9504.7

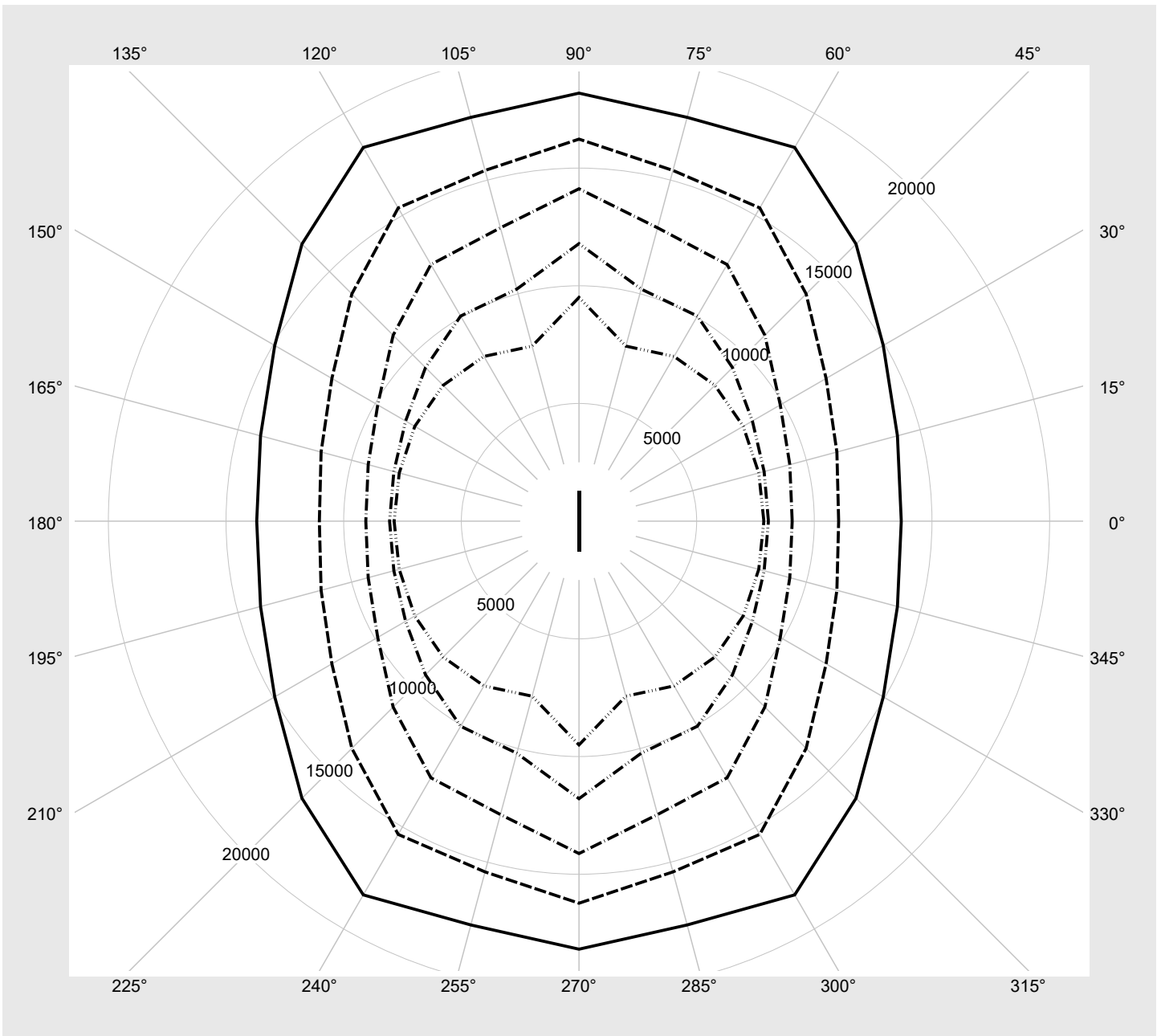
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Family
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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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	10560	63.8	73.1	68.4
2	A	C	F	10090	60.6	69.3	65.0
3	A	D	E	9070	53.8	61.0	57.4
4	A	D	F	8020	47.0	53.3	50.2
5	B	C	E	7030	40.8	46.1	43.4
6	B	C	F	6010	34.7	39.0	36.8
7	B	D	E	5050	29.1	32.5	30.8
8	B	D	F	4060	23.5	26.1	24.8