



## Photometric test report

<b>Family</b> <b>Modario® 31</b>	<b>Order number: 53BM812DV4A5C23S</b> <b>EAN: 4069025254894</b>	<b>LP number</b> <b>59594_21</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	23.2	24.9	23.5	25.2	25.5	23.0	24.7	23.3	25.0	25.3
	3H	24.0	25.6	24.4	25.9	26.2	24.1	25.6	24.5	26.0	26.3
	4H	24.4	25.8	24.7	26.1	26.5	24.5	25.9	24.9	26.3	26.6
	6H	24.6	26.0	25.1	26.3	26.7	24.7	26.1	25.1	26.4	26.8
	8H	24.8	26.1	25.2	26.4	26.8	24.8	26.1	25.3	26.5	26.9
	12H	25.0	26.1	25.4	26.5	26.9	24.9	26.1	25.3	26.5	26.9
4H	2H	23.8	25.3	24.2	25.6	26.0	23.7	25.1	24.1	25.5	25.9
	3H	24.8	26.1	25.2	26.4	26.8	25.0	26.3	25.5	26.6	27.1
	4H	25.2	26.3	25.7	26.7	27.2	25.5	26.7	26.0	27.1	27.5
	6H	25.6	26.6	26.1	27.0	27.5	25.9	26.9	26.4	27.3	27.8
	8H	25.8	26.7	26.3	27.2	27.6	26.0	26.9	26.5	27.3	27.8
	12H	26.1	26.9	26.6	27.3	27.8	26.1	26.9	26.6	27.3	27.8
8H	4H	25.5	26.4	26.0	26.8	27.3	25.8	26.7	26.3	27.1	27.6
	6H	26.0	26.7	26.5	27.2	27.7	26.3	27.0	26.8	27.5	28.0
	8H	26.3	27.0	26.8	27.4	27.9	26.4	27.1	26.9	27.6	28.1
	12H	26.6	27.2	27.1	27.7	28.2	26.6	27.1	27.1	27.6	28.2
12H	4H	25.5	26.3	26.0	26.8	27.3	25.8	26.6	26.3	27.1	27.6
	6H	26.1	26.7	26.6	27.2	27.7	26.4	27.0	26.9	27.5	28.0
	8H	26.4	27.0	26.9	27.5	28.0	26.6	27.1	27.1	27.6	28.2

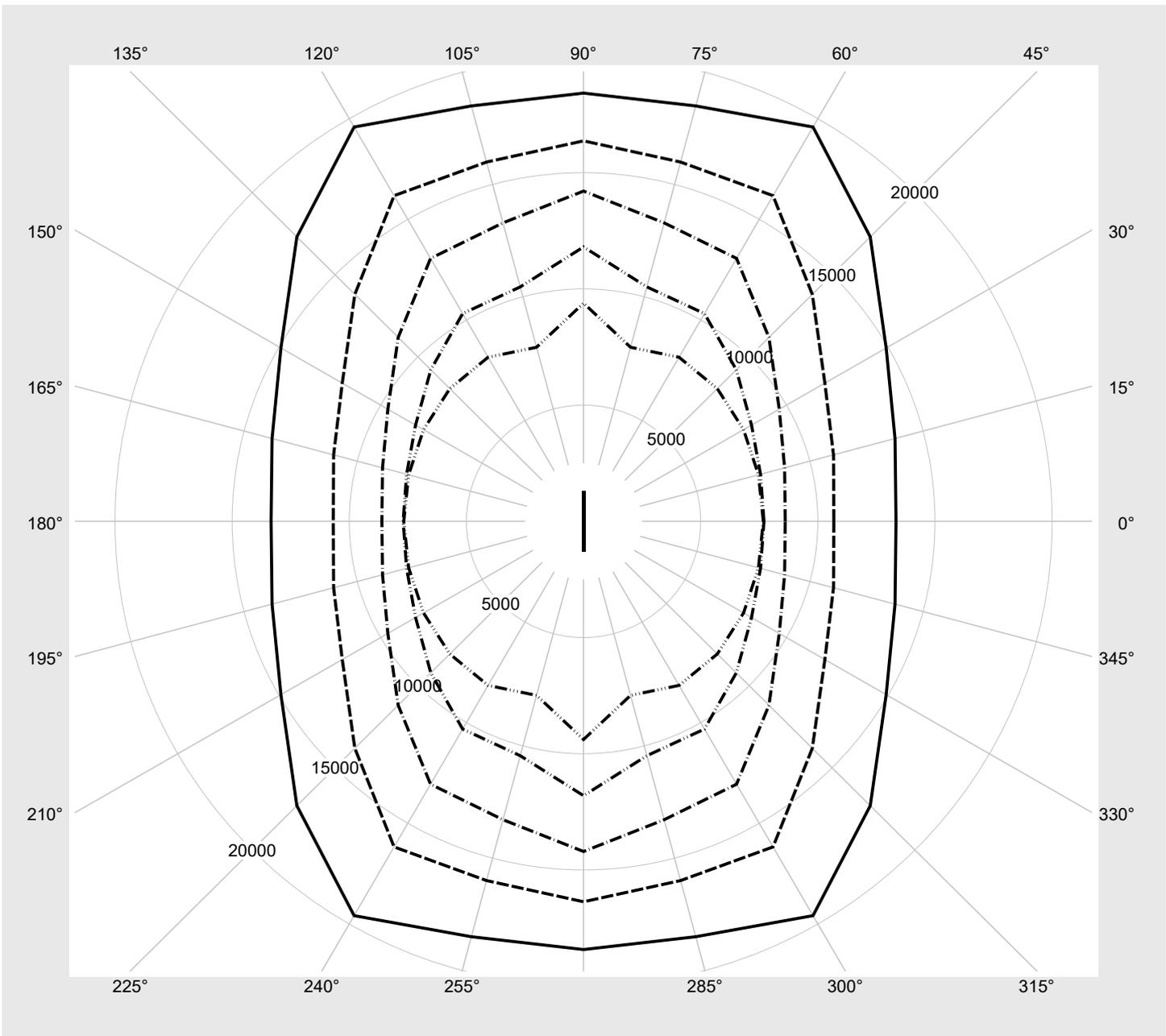
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1476</b>	<b>H(C0) = 25</b>	<b>H(C180) = 25</b>
			<b>B = 75</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		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°		27431.2	28151.1	28929.1	28449.2	26380.3	24805.2	25128.6	
50°		23821.5	24648.8	26344.8	27531.6	26083.7	23765.8	23824.8	
55°		20032.0	20767.9	22633.2	25008.4	25013.0	22465.2	22276.4	
60°		16457.2	17036.9	18608.2	21302.3	22743.9	20716.8	20434.3	
65°		13337.0	13764.0	14915.2	17304.9	19588.8	18501.7	18422.9	
70°		10682.7	11045.1	11893.4	13808.6	16176.6	16001.5	16367.6	
75°		8609.9	8884.5	9646.9	11190.6	13061.2	13291.9	14206.4	
80°		7701.2	7820.5	8280.1	9220.1	10320.8	10441.1	11804.7	
85°		7674.4	7729.6	7886.6	8072.8	8150.8	7753.0	9386.4	

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	10860	65.2
95	240	252	10320	61.7
90	226	250	9772	58.3
85	212	247	9218	54.8
80	199	245	8697	51.7
75	185	242	8126	48.4
70	172	240	7591	45.2
65	159	237	7051	42.1
60	146	234	6504	39.1
55	134	231	5994	36.3
50	121	227	5436	33.2
45	108	223	4872	30.1
40	96	218	4347	27.4
35	84	213	3817	24.6
30	71	207	3237	21.7
25	59	201	2695	19.1
20	47	192	2151	16.4
15	36	182	1649	13.8
10	24	168	1098	10.8
5	12	142	543	8.0
2	4	102	170	6.2