



## Photometric test report

<b>Family</b> <b>Modario® 31</b>	<b>Order number: 53BM8127V68XC2</b> <b>EAN: 4069025121707</b>	<b>LP number</b> <b>59594_39</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	22.3	24.0	22.6	24.3	24.6	22.1	23.7	22.4	24.1	24.4
	3H	23.1	24.6	23.5	25.0	25.3	23.2	24.7	23.5	25.0	25.4
	4H	23.4	24.9	23.8	25.2	25.6	23.6	25.0	24.0	25.4	25.7
	6H	23.7	25.0	24.1	25.4	25.8	23.8	25.2	24.2	25.5	25.9
	8H	23.9	25.1	24.3	25.5	25.9	23.9	25.2	24.3	25.6	26.0
	12H	24.1	25.2	24.5	25.6	26.0	24.0	25.2	24.4	25.5	26.0
4H	2H	22.9	24.4	23.3	24.7	25.1	22.8	24.2	23.2	24.6	24.9
	3H	23.9	25.1	24.3	25.5	25.9	24.1	25.3	24.5	25.7	26.1
	4H	24.3	25.4	24.8	25.8	26.3	24.6	25.7	25.1	26.1	26.6
	6H	24.7	25.7	25.2	26.1	26.6	25.0	26.0	25.4	26.4	26.8
	8H	24.9	25.8	25.4	26.2	26.7	25.1	26.0	25.6	26.4	26.9
	12H	25.2	25.9	25.6	26.4	26.9	25.2	26.0	25.7	26.4	26.9
8H	4H	24.6	25.5	25.0	25.9	26.4	24.9	25.8	25.3	26.2	26.7
	6H	25.1	25.8	25.6	26.3	26.8	25.4	26.1	25.8	26.6	27.1
	8H	25.4	26.0	25.9	26.5	27.0	25.5	26.2	26.0	26.7	27.2
	12H	25.7	26.3	26.2	26.8	27.3	25.7	26.2	26.2	26.7	27.3
12H	4H	24.6	25.4	25.1	25.9	26.4	24.9	25.7	25.4	26.2	26.6
	6H	25.2	25.8	25.7	26.3	26.8	25.4	26.1	25.9	26.6	27.1
	8H	25.5	26.1	26.0	26.6	27.1	25.6	26.2	26.2	26.7	27.2

<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°		21066.0	21618.8	22216.2	21847.7	20258.9	19049.3	19297.7	
50°		18293.9	18929.2	20231.7	21143.1	20031.1	18251.1	18296.4	
55°		15383.7	15948.8	17381.3	19205.4	19208.8	17252.3	17107.3	
60°		12638.4	13083.6	14290.3	16359.2	17466.3	15909.6	15692.6	
65°		10242.2	10570.1	11454.2	13289.4	15043.3	14208.5	14148.0	
70°		8203.8	8482.2	9133.6	10604.4	12422.9	12288.5	12569.6	
75°		6612.1	6822.9	7408.4	8593.9	10030.4	10207.6	10909.9	
80°		5914.2	6005.8	6358.8	7080.7	7925.9	8018.3	9065.5	
85°		5893.6	5936.0	6056.5	6199.6	6259.5	5954.0	7208.4	

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

