

Photometric test report

Family Modario® 31	Order number: 53BM8127U4M1D2 EAN: 4069025227140	LP number 59594_121
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	24.6	26.3	25.0	26.6	26.9	24.4	26.1	24.8	26.4	26.7
	3H	25.5	27.0	25.8	27.3	27.7	25.5	27.1	25.9	27.4	27.7
	4H	25.8	27.2	26.2	27.6	27.9	25.9	27.4	26.3	27.7	28.1
	6H	26.1	27.4	26.5	27.8	28.1	26.2	27.5	26.6	27.9	28.3
	8H	26.3	27.5	26.7	27.9	28.3	26.3	27.5	26.7	27.9	28.3
	12H	26.4	27.6	26.8	28.0	28.4	26.3	27.5	26.7	27.9	28.3
4H	2H	25.3	26.7	25.6	27.1	27.4	25.1	26.6	25.5	26.9	27.3
	3H	26.3	27.5	26.7	27.9	28.3	26.5	27.7	26.9	28.1	28.5
	4H	26.7	27.8	27.1	28.2	28.6	27.0	28.1	27.4	28.5	28.9
	6H	27.1	28.0	27.5	28.4	28.9	27.3	28.3	27.8	28.7	29.2
	8H	27.3	28.1	27.7	28.6	29.1	27.4	28.3	27.9	28.8	29.2
	12H	27.5	28.3	28.0	28.7	29.2	27.5	28.3	28.0	28.8	29.3
8H	4H	26.9	27.8	27.4	28.3	28.7	27.2	28.1	27.7	28.5	29.0
	6H	27.4	28.2	27.9	28.6	29.1	27.7	28.4	28.2	28.9	29.4
	8H	27.7	28.4	28.2	28.9	29.4	27.9	28.5	28.4	29.0	29.5
	12H	28.1	28.6	28.6	29.1	29.6	28.0	28.6	28.5	29.1	29.6
12H	4H	27.0	27.8	27.4	28.2	28.7	27.3	28.0	27.7	28.5	29.0
	6H	27.5	28.2	28.0	28.6	29.2	27.8	28.4	28.3	28.9	29.4
	8H	27.8	28.4	28.4	28.9	29.4	28.0	28.6	28.5	29.0	29.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2392	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°		41397.0	42483.4	43657.4	42933.2	39811.1	37434.0	37922.1	
50°		35949.5	37197.9	39757.5	41548.5	39363.4	35865.4	35954.4	
55°		30230.7	31341.2	34156.1	37740.7	37747.5	33902.6	33617.8	
60°		24835.9	25710.7	28081.9	32147.7	34323.2	31264.2	30837.7	
65°		20127.1	20771.5	22508.8	26115.1	29561.8	27921.3	27802.3	
70°		16121.4	16668.4	17948.5	20838.8	24412.4	24148.2	24700.7	
75°		12993.4	13407.8	14558.2	16888.0	19710.9	20059.1	21439.2	
80°		11622.0	11802.1	12495.7	13914.3	15575.3	15756.9	17814.7	
85°		11581.7	11664.8	11901.8	12182.9	12300.6	11700.2	14165.2	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

