

Photometric test report

Family Modario® 31	Order number: 53BM812DV4D5D23S EAN: 4069025254924	LP number 59594_32
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	14.7	16.4	15.0	16.7	17.0	14.5	16.2	14.8	16.5	16.8
	3H	15.5	17.1	15.9	17.4	17.7	15.6	17.1	16.0	17.5	17.8
	4H	15.8	17.3	16.2	17.6	18.0	16.0	17.4	16.4	17.8	18.1
	6H	16.1	17.5	16.6	17.8	18.2	16.2	17.6	16.6	17.9	18.3
	8H	16.3	17.5	16.7	17.9	18.3	16.3	17.6	16.7	18.0	18.4
	12H	16.5	17.6	16.9	18.0	18.4	16.4	17.6	16.8	18.0	18.4
4H	2H	15.3	16.8	15.7	17.1	17.5	15.2	16.6	15.6	17.0	17.4
	3H	16.3	17.5	16.7	17.9	18.3	16.5	17.8	17.0	18.1	18.6
	4H	16.7	17.8	17.2	18.2	18.7	17.0	18.2	17.5	18.6	19.0
	6H	17.1	18.1	17.6	18.5	19.0	17.4	18.4	17.9	18.8	19.3
	8H	17.3	18.2	17.8	18.7	19.1	17.5	18.4	18.0	18.8	19.3
	12H	17.6	18.3	18.0	18.8	19.3	17.6	18.4	18.1	18.8	19.3
8H	4H	17.0	17.9	17.5	18.3	18.8	17.3	18.2	17.8	18.6	19.1
	6H	17.5	18.2	18.0	18.7	19.2	17.8	18.5	18.3	19.0	19.5
	8H	17.8	18.4	18.3	18.9	19.4	17.9	18.6	18.4	19.1	19.6
	12H	18.1	18.7	18.6	19.2	19.7	18.1	18.6	18.6	19.1	19.7
12H	4H	17.0	17.8	17.5	18.3	18.8	17.3	18.1	17.8	18.6	19.1
	6H	17.6	18.2	18.1	18.7	19.2	17.9	18.5	18.4	19.0	19.5
	8H	17.9	18.5	18.4	19.0	19.5	18.1	18.6	18.6	19.1	19.7

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°		2374.3	2436.7	2504.0	2462.5	2283.4	2147.0	2175.0		
50°		2061.9	2133.5	2280.3	2383.0	2257.7	2057.1	2062.2		
55°		1733.9	1797.6	1959.0	2164.6	2165.0	1944.5	1928.2		
60°		1424.5	1474.7	1610.7	1843.8	1968.6	1793.2	1768.7		
65°		1154.4	1191.4	1291.0	1497.8	1695.5	1601.4	1594.6		
70°		924.7	956.0	1029.4	1195.2	1400.2	1385.0	1416.7		
75°		745.2	769.0	835.0	968.6	1130.5	1150.5	1229.7		
80°		666.6	676.9	716.7	798.1	893.3	903.7	1021.8		
85°		664.3	669.0	682.6	698.8	705.5	671.1	812.5		

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

