

Photometric test report

Family DUS® 31	Order number: 53BD812DV4D5D23SL3 EAN: 4069025254795	LP number 59594_125
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	14.6	16.3	15.0	16.6	16.9	14.4	16.1	14.7	16.4	16.7
	3H	15.4	17.0	15.8	17.3	17.7	15.5	17.0	15.9	17.4	17.7
	4H	15.8	17.2	16.2	17.5	17.9	15.9	17.3	16.3	17.7	18.1
	6H	16.1	17.4	16.5	17.7	18.1	16.1	17.5	16.6	17.9	18.2
	8H	16.2	17.5	16.7	17.8	18.2	16.2	17.5	16.7	17.9	18.3
	12H	16.4	17.6	16.8	17.9	18.4	16.3	17.5	16.7	17.9	18.3
4H	2H	15.2	16.7	15.6	17.0	17.4	15.1	16.6	15.5	16.9	17.3
	3H	16.2	17.5	16.7	17.8	18.3	16.5	17.7	16.9	18.1	18.5
	4H	16.6	17.7	17.1	18.2	18.6	17.0	18.1	17.4	18.5	18.9
	6H	17.0	18.0	17.5	18.4	18.9	17.3	18.3	17.8	18.7	19.2
	8H	17.2	18.1	17.7	18.6	19.0	17.4	18.3	17.9	18.8	19.2
	12H	17.5	18.3	18.0	18.7	19.2	17.5	18.3	18.0	18.8	19.2
8H	4H	16.9	17.8	17.4	18.2	18.7	17.2	18.1	17.7	18.5	19.0
	6H	17.4	18.2	17.9	18.6	19.1	17.7	18.4	18.2	18.9	19.4
	8H	17.7	18.4	18.2	18.8	19.4	17.9	18.5	18.4	19.0	19.5
	12H	18.0	18.6	18.5	19.1	19.6	18.0	18.6	18.5	19.0	19.6
12H	4H	16.9	17.7	17.4	18.2	18.7	17.2	18.0	17.7	18.5	19.0
	6H	17.5	18.1	18.0	18.6	19.1	17.8	18.4	18.3	18.9	19.4
	8H	17.8	18.4	18.3	18.9	19.4	18.0	18.5	18.5	19.0	19.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1514	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°		2314.7	2375.5	2441.1	2400.6	2226.1	2093.2	2120.4	
50°		2010.2	2080.0	2223.1	2323.2	2201.0	2005.4	2010.4	
55°		1690.4	1752.5	1909.9	2110.3	2110.7	1895.7	1879.8	
60°		1388.7	1437.6	1570.2	1797.6	1919.2	1748.2	1724.3	
65°		1125.4	1161.5	1258.6	1460.2	1653.0	1561.2	1554.6	
70°		901.4	932.0	1003.6	1165.2	1365.0	1350.3	1381.2	
75°		726.5	749.7	814.0	944.3	1102.2	1121.6	1198.8	
80°		649.9	659.9	698.7	778.0	870.9	881.1	996.1	
85°		647.6	652.2	665.5	681.2	687.8	654.2	792.1	

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

