

Photometric test report

Family DUS® 31	Order number: 53BD8127V485C2 EAN: 4069025124241	LP number 59594_78
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	22.3	24.0	22.6	24.3	24.6	22.1	23.8	22.4	24.1	24.4
	3H	23.1	24.7	23.5	25.0	25.3	23.2	24.7	23.6	25.1	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	25.1	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	25.6	26.0
4H	2H	22.9	24.4	23.3	24.7	25.1	22.8	24.2	23.2	24.6	25.0
	3H	23.9	25.1	24.3	25.5	25.9	24.1	25.4	24.6	25.7	26.2
	4H	24.3	25.4	24.8	25.8	26.3	24.6	25.8	25.1	26.2	26.6
	6H	24.7	25.7	25.2	26.1	26.6	25.0	26.0	25.5	26.4	26.9
	8H	24.9	25.8	25.4	26.3	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	25.1	25.9	26.4	24.9	25.8	25.4	26.2	26.7
	6H	25.1	25.8	25.6	26.3	26.8	25.4	26.1	25.9	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	26.7
	6H	25.2	25.8	25.7	26.3	26.8	25.5	26.1	25.9	26.6	27.1
	8H	25.5	26.1	26.0	26.6	27.1	25.7	26.2	26.2	26.7	27.2

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°	21152.8	21708.0	22307.9	21937.8	20342.5	19127.9	19377.3	
	50°	18369.4	19007.2	20315.1	21230.3	20113.8	18326.4	18371.8	
	55°	15447.2	16014.6	17453.0	19284.6	19288.1	17323.4	17177.9	
	60°	12690.6	13137.6	14349.2	16426.7	17538.3	15975.2	15757.3	
	65°	10284.5	10613.7	11501.4	13344.2	15105.4	14267.1	14206.3	
	70°	8237.7	8517.1	9171.3	10648.1	12474.1	12339.1	12621.4	
	75°	6639.3	6851.1	7438.9	8629.4	10071.8	10249.7	10954.9	
	80°	5938.6	6030.6	6385.0	7109.9	7958.6	8051.4	9102.9	
	85°	5917.9	5960.4	6081.5	6225.2	6285.3	5978.5	7238.1	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

