

Photometric test report

Family DUS® 31	Order number: 53BD812CV4DXD2 EAN: 4069025124302	LP number 59594_84
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	23.7	25.4	24.1	25.7	26.1	23.5	25.2	23.9	25.5	25.8
	3H	24.6	26.1	25.0	26.4	26.8	24.6	26.2	25.0	26.5	26.9
	4H	24.9	26.3	25.3	26.7	27.0	25.0	26.5	25.4	26.8	27.2
	6H	25.2	26.5	25.6	26.9	27.3	25.3	26.6	25.7	27.0	27.4
	8H	25.4	26.6	25.8	27.0	27.4	25.4	26.6	25.8	27.0	27.4
	12H	25.5	26.7	26.0	27.1	27.5	25.4	26.6	25.8	27.0	27.4
4H	2H	24.4	25.8	24.8	26.2	26.5	24.3	25.7	24.7	26.0	26.4
	3H	25.4	26.6	25.8	27.0	27.4	25.6	26.8	26.0	27.2	27.6
	4H	25.8	26.9	26.2	27.3	27.7	26.1	27.2	26.5	27.6	28.0
	6H	26.2	27.1	26.6	27.6	28.0	26.4	27.4	26.9	27.8	28.3
	8H	26.4	27.3	26.8	27.7	28.2	26.6	27.5	27.0	27.9	28.4
	12H	26.6	27.4	27.1	27.9	28.3	26.6	27.4	27.1	27.9	28.4
8H	4H	26.0	26.9	26.5	27.4	27.8	26.3	27.2	26.8	27.7	28.1
	6H	26.6	27.3	27.0	27.8	28.3	26.8	27.6	27.3	28.0	28.5
	8H	26.8	27.5	27.3	28.0	28.5	27.0	27.7	27.5	28.1	28.6
	12H	27.2	27.7	27.7	28.2	28.8	27.1	27.7	27.6	28.2	28.7
12H	4H	26.1	26.9	26.6	27.3	27.8	26.4	27.2	26.9	27.6	28.1
	6H	26.6	27.3	27.1	27.8	28.3	26.9	27.5	27.4	28.0	28.5
	8H	27.0	27.5	27.5	28.0	28.6	27.1	27.7	27.6	28.2	28.7

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°		32111.0	32953.7	33864.3	33302.6	30880.8	29037.0	29415.5	
50°		27885.5	28853.8	30839.3	32228.5	30533.6	27820.2	27889.3	
55°		23449.5	24310.9	26494.4	29274.8	29280.1	26297.7	26076.8	
60°		19264.8	19943.4	21782.7	24936.4	26623.9	24251.1	23920.3	
65°		15612.3	16112.1	17459.7	20257.1	22930.6	21658.1	21565.8	
70°		12505.1	12929.4	13922.4	16164.3	18936.3	18731.4	19159.9	
75°		10078.8	10400.2	11292.6	13099.7	15289.4	15559.5	16630.1	
80°		9015.0	9154.7	9692.7	10793.1	12081.5	12222.4	13818.6	
85°		8983.7	9048.2	9232.0	9450.1	9541.4	9075.7	10987.7	

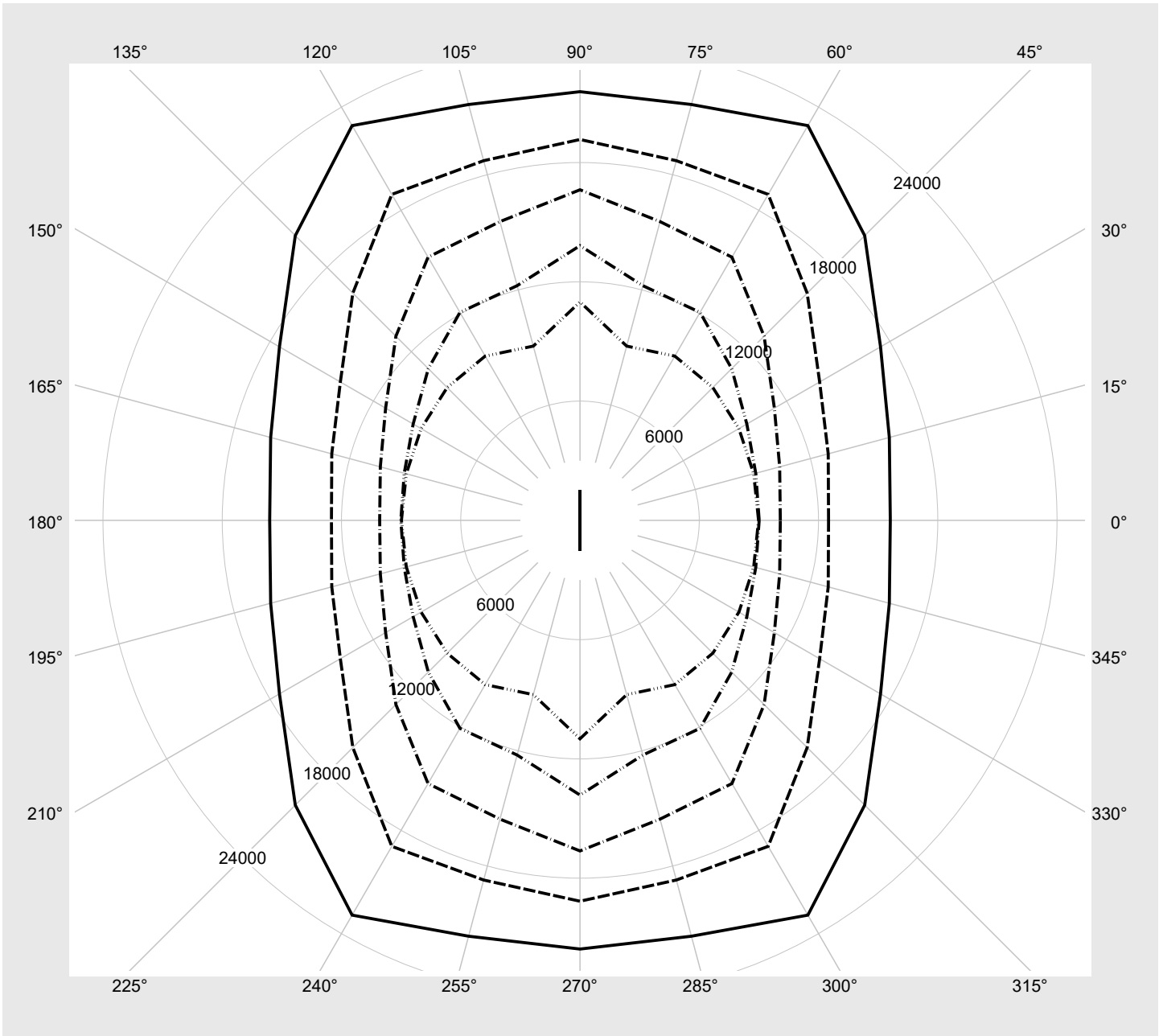
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Family
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	13040	68.5	82.3	75.4
2	A	C	F	12200	63.8	76.3	70.0
3	A	D	E	11420	59.5	71.1	65.3
4	A	D	F	10650	55.2	65.9	60.6
5	B	C	E	9860	51.0	60.7	55.8
6	B	C	F	9070	46.7	55.6	51.2
7	B	D	E	8270	42.4	50.5	46.4
8	B	D	F	7540	38.7	45.8	42.2