



## Photometric test report

Family <b>DUS® 31</b>	Order number: <b>53BD812CV6C5D2</b> EAN: <b>4069025124340</b>	LP number <b>59594_85</b>
Table of values for luminous intensities		Maximum luminous intensity
		<b>siteco</b>

C-planes $\gamma$	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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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	23.6	25.3	24.0	25.6	26.0	23.4	25.1	23.8	25.4	25.7
	3H	24.5	26.0	24.9	26.3	26.7	24.5	26.1	24.9	26.4	26.8
	4H	24.8	26.2	25.2	26.6	26.9	24.9	26.4	25.3	26.7	27.1
	6H	25.1	26.4	25.5	26.8	27.2	25.2	26.5	25.6	26.9	27.3
	8H	25.3	26.5	25.7	26.9	27.3	25.3	26.5	25.7	26.9	27.3
	12H	25.4	26.6	25.9	27.0	27.4	25.3	26.5	25.7	26.9	27.3
4H	2H	24.3	25.7	24.7	26.1	26.4	24.2	25.6	24.6	25.9	26.3
	3H	25.3	26.5	25.7	26.9	27.3	25.5	26.7	25.9	27.1	27.5
	4H	25.7	26.8	26.1	27.2	27.6	26.0	27.1	26.4	27.5	27.9
	6H	26.1	27.0	26.5	27.5	27.9	26.3	27.3	26.8	27.7	28.2
	8H	26.3	27.2	26.7	27.6	28.1	26.5	27.4	26.9	27.8	28.3
	12H	26.5	27.3	27.0	27.8	28.2	26.5	27.3	27.0	27.8	28.3
8H	4H	25.9	26.8	26.4	27.3	27.7	26.2	27.1	26.7	27.6	28.0
	6H	26.5	27.2	26.9	27.7	28.2	26.7	27.5	27.2	27.9	28.4
	8H	26.7	27.4	27.2	27.9	28.4	26.9	27.6	27.4	28.0	28.5
	12H	27.1	27.6	27.6	28.1	28.7	27.0	27.6	27.5	28.1	28.6
12H	4H	26.0	26.8	26.5	27.2	27.7	26.3	27.1	26.8	27.5	28.0
	6H	26.5	27.2	27.0	27.7	28.2	26.8	27.4	27.3	27.9	28.4
	8H	26.9	27.4	27.4	27.9	28.5	27.0	27.6	27.5	28.1	28.6

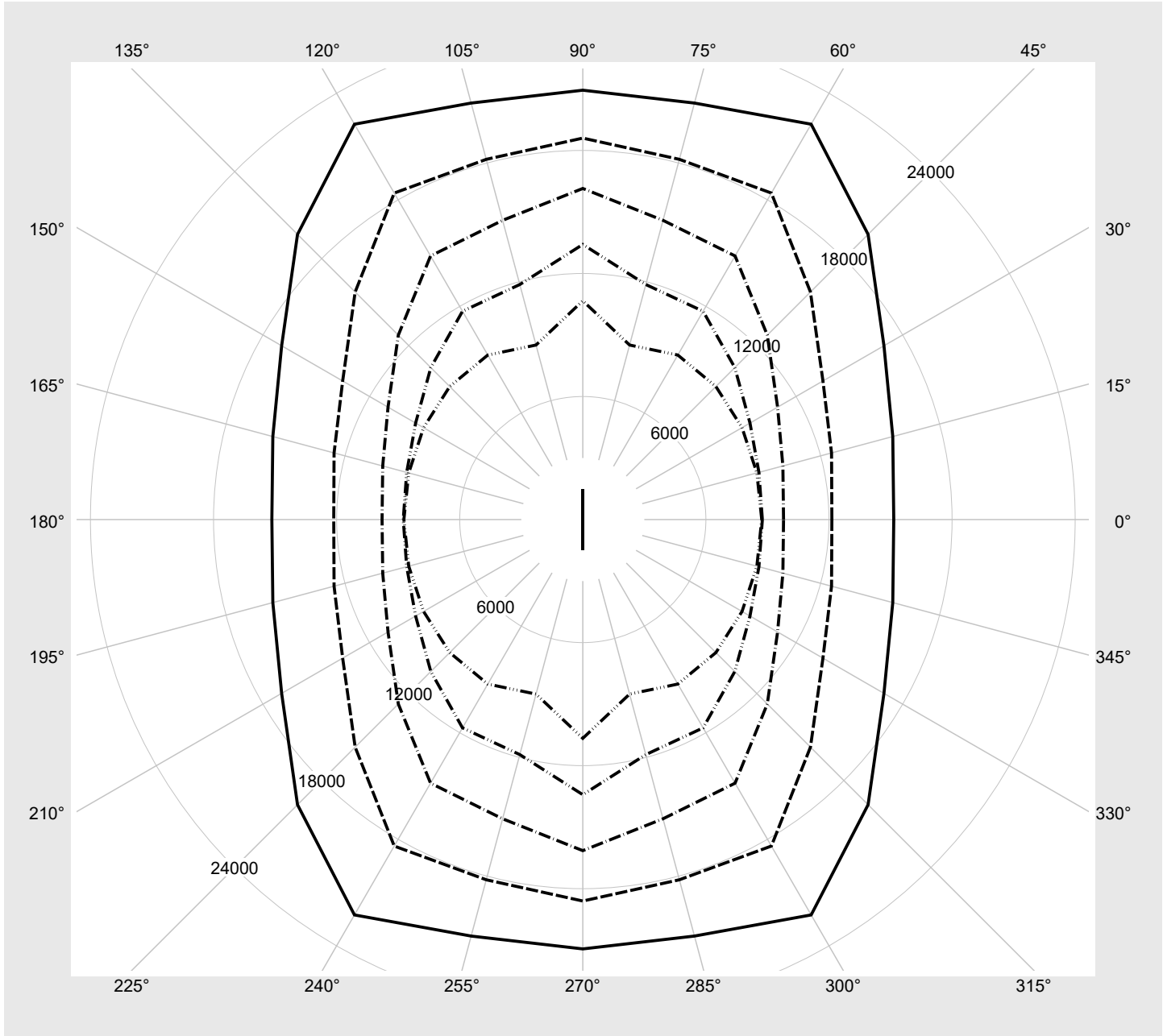
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1514</b>	<b>H(C0) = 25</b>	<b>H(C180) = 25</b>
			<b>B = 75</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		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°		31175.2	31993.4	32877.5	32332.1	29980.9	28190.8	28558.3	
50°		27072.9	28013.0	29940.6	31289.3	29643.8	27009.5	27076.5	
55°		22766.1	23602.4	25722.3	28421.7	28426.9	25531.4	25316.8	
60°		18703.4	19362.2	21147.9	24209.8	25848.1	23544.4	23223.3	
65°		15157.3	15642.6	16950.9	19666.8	22262.4	21027.0	20937.4	
70°		12140.7	12552.6	13516.7	15693.3	18384.5	18185.5	18601.6	
75°		9785.1	10097.1	10963.5	12718.0	14843.9	15106.1	16145.4	
80°		8752.3	8887.9	9410.2	10478.6	11729.4	11866.2	13415.9	
85°		8721.9	8784.5	8963.0	9174.7	9263.3	8811.2	10667.5	

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>siteco</b>
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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	12660	68.5	82.3	75.4
2	A	C	F	11842	63.8	76.3	70.0
3	A	D	E	11087	59.5	71.1	65.3
4	A	D	F	10331	55.2	65.9	60.6
5	B	C	E	9565	51.0	60.7	55.8
6	B	C	F	8799	46.7	55.6	51.2
7	B	D	E	8012	42.4	50.5	46.4
8	B	D	F	7319	38.7	45.8	42.2