
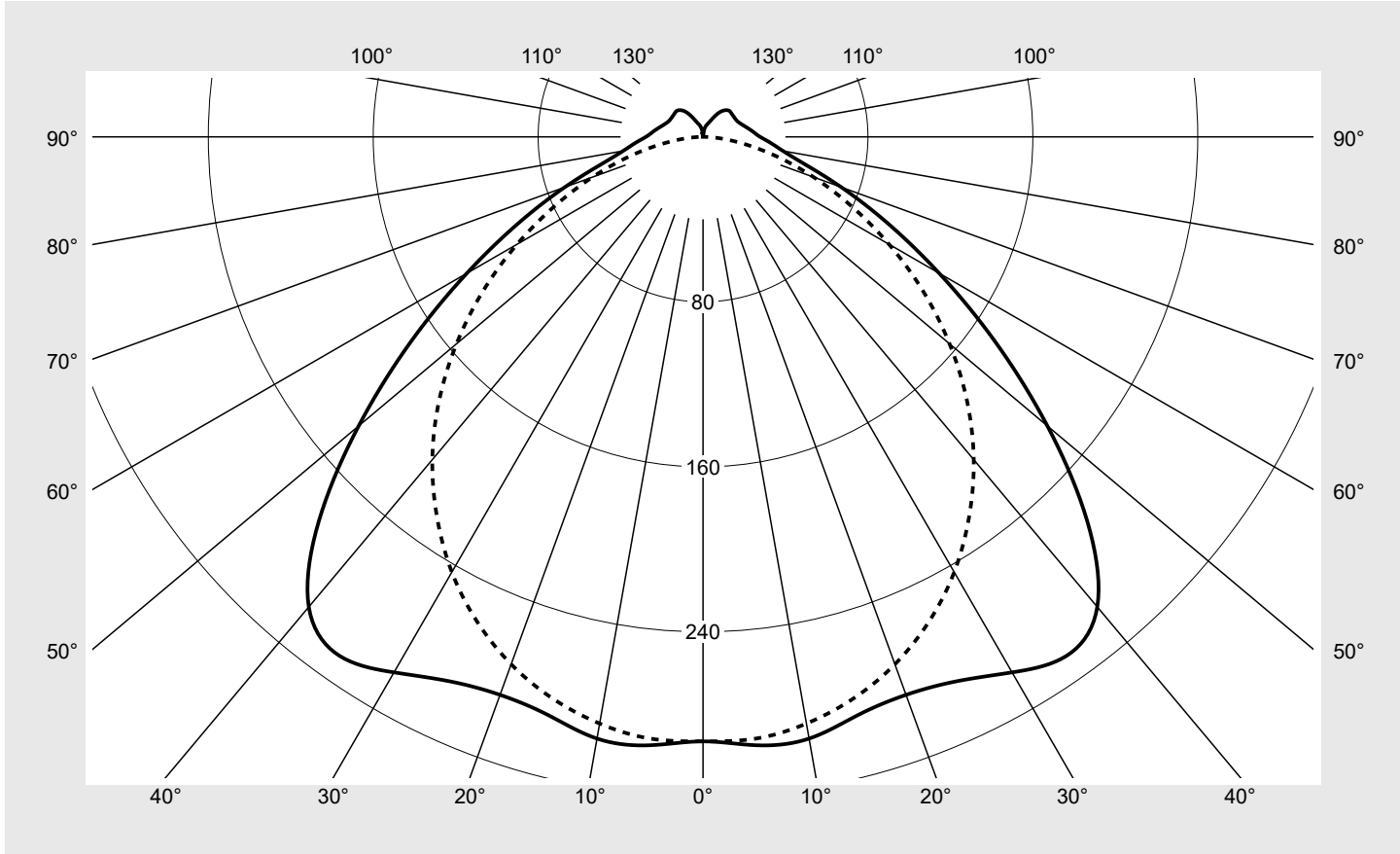


Photometric test report

Family DUS® 31 	Order number: 53BD812CV49XC2 EAN: 4069025124289	LP number 59594_82
	Version diffuser optic, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 9240 lm Power consumption = 49.9 W Luminous efficacy = 185.2 lm/W	serial documentation 07.05.2024

Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 307 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=47 N2=80 N3=95 N4=93 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	92.6%
ϕ_o	7.4%

Measurement conditions
DIN EN 13032 and DIN 5032

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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	22.5	24.2	22.9	24.5	24.9	22.3	24.0	22.7	24.3	24.6
	3H	23.4	24.9	23.8	25.2	25.6	23.4	25.0	23.8	25.3	25.7
	4H	23.7	25.1	24.1	25.5	25.9	23.8	25.3	24.2	25.6	26.0
	6H	24.0	25.3	24.4	25.7	26.1	24.1	25.4	24.5	25.8	26.2
	8H	24.2	25.4	24.6	25.8	26.2	24.2	25.4	24.6	25.8	26.2
	12H	24.3	25.5	24.8	25.9	26.3	24.2	25.4	24.6	25.8	26.2
4H	2H	23.2	24.6	23.6	25.0	25.3	23.1	24.5	23.5	24.8	25.2
	3H	24.2	25.4	24.6	25.8	26.2	24.4	25.6	24.8	26.0	26.4
	4H	24.6	25.7	25.0	26.1	26.5	24.9	26.0	25.3	26.4	26.8
	6H	25.0	25.9	25.4	26.4	26.8	25.3	26.2	25.7	26.6	27.1
	8H	25.2	26.1	25.6	26.5	27.0	25.4	26.3	25.8	26.7	27.2
	12H	25.4	26.2	25.9	26.7	27.1	25.4	26.2	25.9	26.7	27.2
8H	4H	24.8	25.7	25.3	26.2	26.7	25.1	26.0	25.6	26.5	26.9
	6H	25.4	26.1	25.8	26.6	27.1	25.6	26.4	26.1	26.8	27.3
	8H	25.6	26.3	26.1	26.8	27.3	25.8	26.5	26.3	26.9	27.5
	12H	26.0	26.5	26.5	27.0	27.6	25.9	26.5	26.4	27.0	27.5
12H	4H	24.9	25.7	25.4	26.1	26.6	25.2	26.0	25.7	26.4	26.9
	6H	25.4	26.1	25.9	26.6	27.1	25.7	26.3	26.2	26.8	27.3
	8H	25.8	26.3	26.3	26.8	27.4	25.9	26.5	26.4	27.0	27.5

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°	22753.5	23350.6	23995.9	23597.8	21881.8	20575.3	20843.5	
	50°	19759.3	20445.5	21852.4	22836.8	21635.7	19713.1	19762.0	
	55°	16616.0	17226.4	18773.6	20743.8	20747.6	18634.3	18477.7	
	60°	13650.8	14131.7	15435.0	17669.7	18865.4	17184.1	16949.7	
	65°	11062.7	11416.9	12371.7	14353.9	16248.4	15346.7	15281.3	
	70°	8861.0	9161.6	9865.3	11453.8	13418.1	13272.8	13576.5	
	75°	7141.7	7369.5	8001.8	9282.3	10833.9	11025.3	11783.9	
	80°	6387.9	6486.9	6868.1	7647.9	8560.8	8660.6	9791.7	
	85°	6365.8	6411.5	6541.7	6696.2	6760.9	6430.9	7785.8	

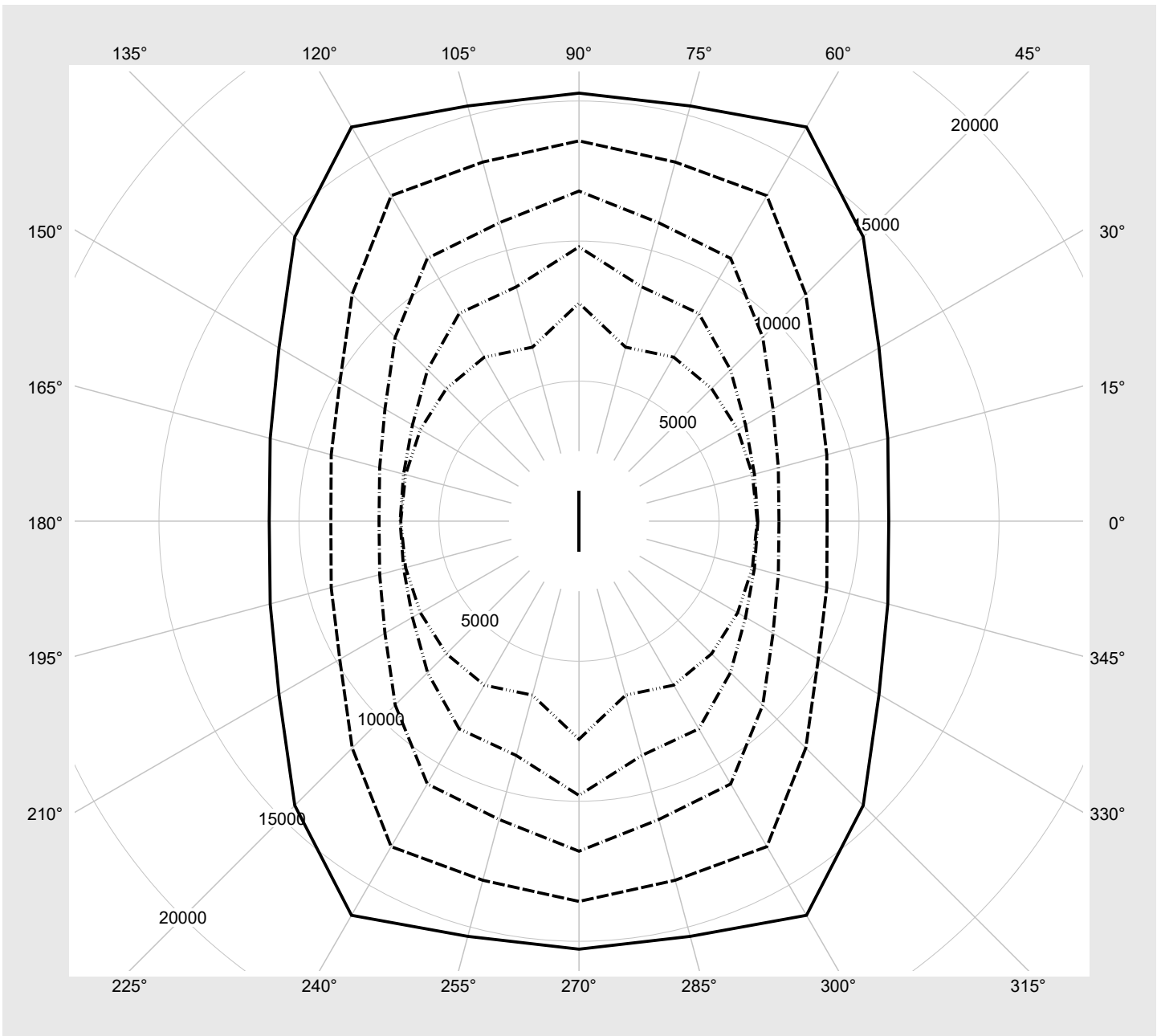
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Family
DUS® 31

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LP number
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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			end of lifetime [W]	average [W]
1	A	C	E	9240	49.9	60.5	55.2
2	A	C	F	8800	47.4	56.9	52.2
3	A	D	E	8280	44.3	53.4	48.8
4	A	D	F	7760	41.3	49.5	45.4
5	B	C	E	7300	38.8	46.5	42.6
6	B	C	F	6760	35.8	42.6	39.2
7	B	D	E	6220	32.8	39.1	36.0
8	B	D	F	5670	29.9	35.3	32.6