
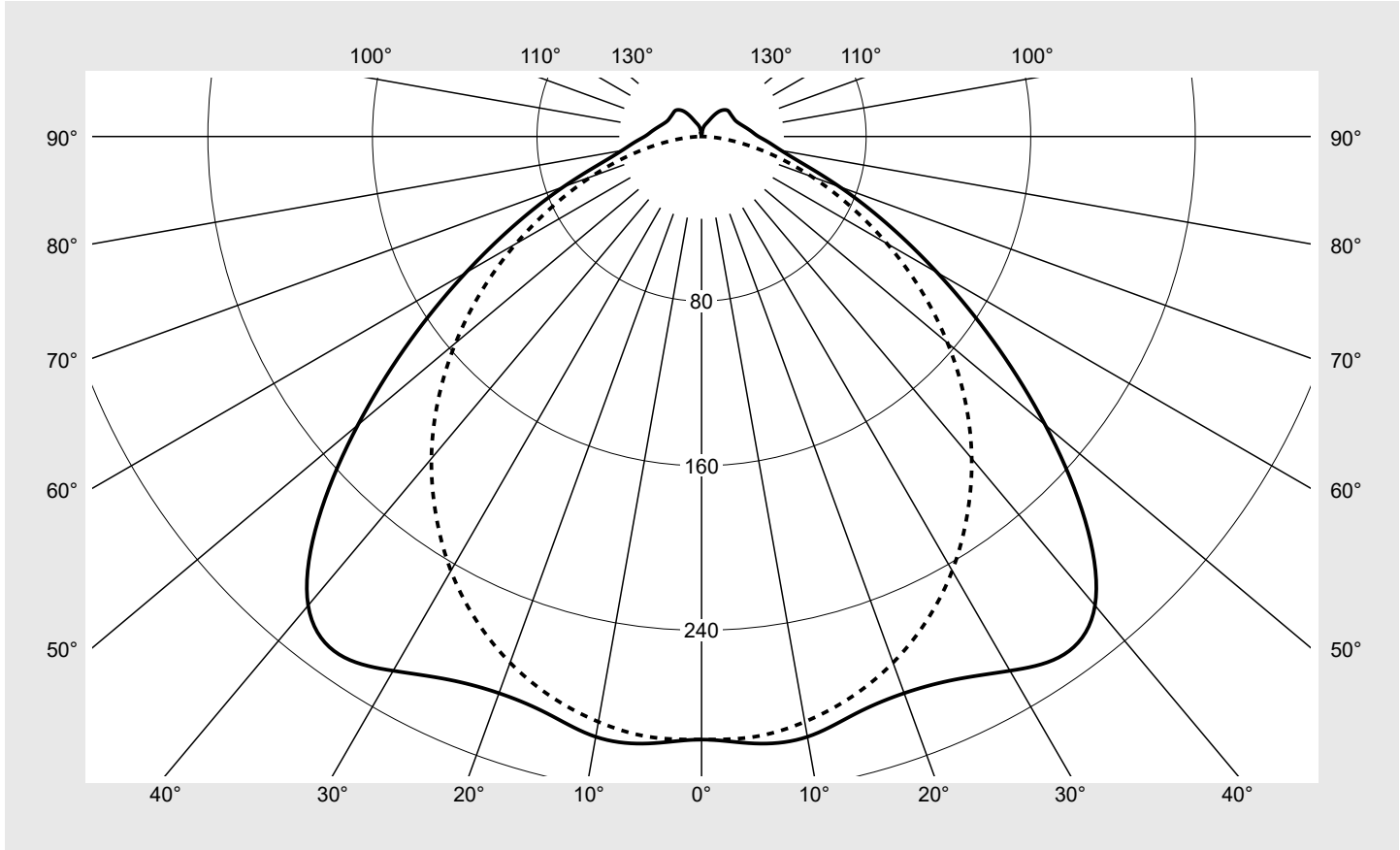


Photometric test report

Family DUS® 31 	Order number: 53BD812CV4A5D2 EAN: 4069025185853	LP number 59594_90
	Version diffuser optic, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 10570 lm Power consumption = 54.8 W Luminous efficacy = 192.9 lm/W	serial documentation 16.07.2024

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	23.0	24.7	23.4	25.0	25.3	22.8	24.5	23.1	24.8	25.1
	3H	23.8	25.4	24.2	25.7	26.1	23.9	25.4	24.3	25.8	26.1
	4H	24.2	25.6	24.6	25.9	26.3	24.3	25.7	24.7	26.1	26.5
	6H	24.5	25.8	24.9	26.1	26.5	24.6	25.9	25.0	26.3	26.7
	8H	24.6	25.9	25.1	26.2	26.6	24.6	25.9	25.1	26.3	26.7
	12H	24.8	26.0	25.2	26.3	26.8	24.7	25.9	25.1	26.3	26.7
4H	2H	23.6	25.1	24.0	25.4	25.8	23.5	25.0	23.9	25.3	25.7
	3H	24.6	25.9	25.1	26.3	26.7	24.9	26.1	25.3	26.5	26.9
	4H	25.1	26.2	25.5	26.6	27.0	25.4	26.5	25.8	26.9	27.3
	6H	25.4	26.4	25.9	26.8	27.3	25.7	26.7	26.2	27.1	27.6
	8H	25.6	26.5	26.1	27.0	27.4	25.8	26.7	26.3	27.2	27.6
	12H	25.9	26.7	26.4	27.1	27.6	25.9	26.7	26.4	27.2	27.7
8H	4H	25.3	26.2	25.8	26.6	27.1	25.6	26.5	26.1	26.9	27.4
	6H	25.8	26.6	26.3	27.0	27.5	26.1	26.8	26.6	27.3	27.8
	8H	26.1	26.8	26.6	27.2	27.8	26.3	26.9	26.8	27.4	27.9
	12H	26.4	27.0	27.0	27.5	28.0	26.4	27.0	26.9	27.5	28.0
12H	4H	25.4	26.2	25.8	26.6	27.1	25.7	26.4	26.1	26.9	27.4
	6H	25.9	26.6	26.4	27.0	27.6	26.2	26.8	26.7	27.3	27.8
	8H	26.2	26.8	26.7	27.3	27.8	26.4	26.9	26.9	27.4	28.0

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°		26028.6	26711.7	27449.9	26994.5	25031.5	23536.9	23843.7	
50°		22603.5	23388.4	24997.8	26123.9	24750.0	22550.6	22606.6	
55°		19007.7	19706.0	21475.9	23729.7	23734.0	21316.5	21137.4	
60°		15615.7	16165.8	17656.7	20213.1	21580.9	19657.5	19389.4	
65°		12655.0	13060.2	14152.5	16420.0	18587.2	17555.7	17480.9	
70°		10136.5	10480.3	11285.3	13102.5	15349.4	15183.3	15530.7	
75°		8169.7	8430.2	9153.6	10618.4	12393.3	12612.3	13480.0	
80°		7307.4	7420.7	7856.7	8748.7	9793.1	9907.3	11201.1	
85°		7282.0	7334.3	7483.3	7660.1	7734.1	7356.6	8906.5	

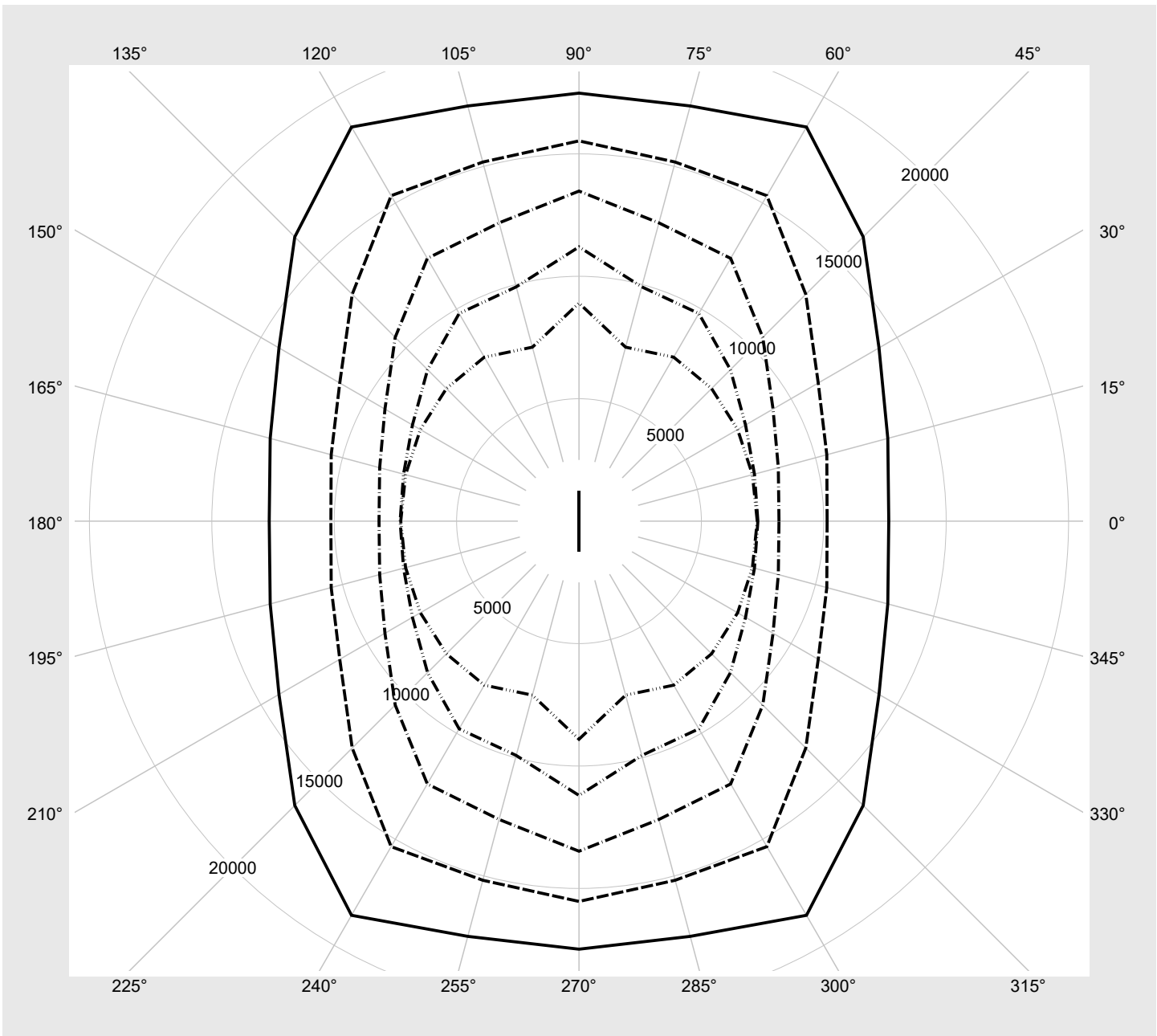
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Family
DUS® 31

Order number: 53BD812CV4A5D2
EAN: 4069025185853

LP number
59594_90

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	10570	54.8	65.4	60.1
2	A	C	F	10100	52.2	62.0	57.1
3	A	D	E	9070	46.7	55.6	51.2
4	A	D	F	8030	41.2	48.8	45.0
5	B	C	E	7060	36.2	42.9	39.6
6	B	C	F	6000	30.9	36.2	33.6
7	B	D	E	5090	26.3	30.9	28.6
8	B	D	F	4180	21.8	25.5	23.6