

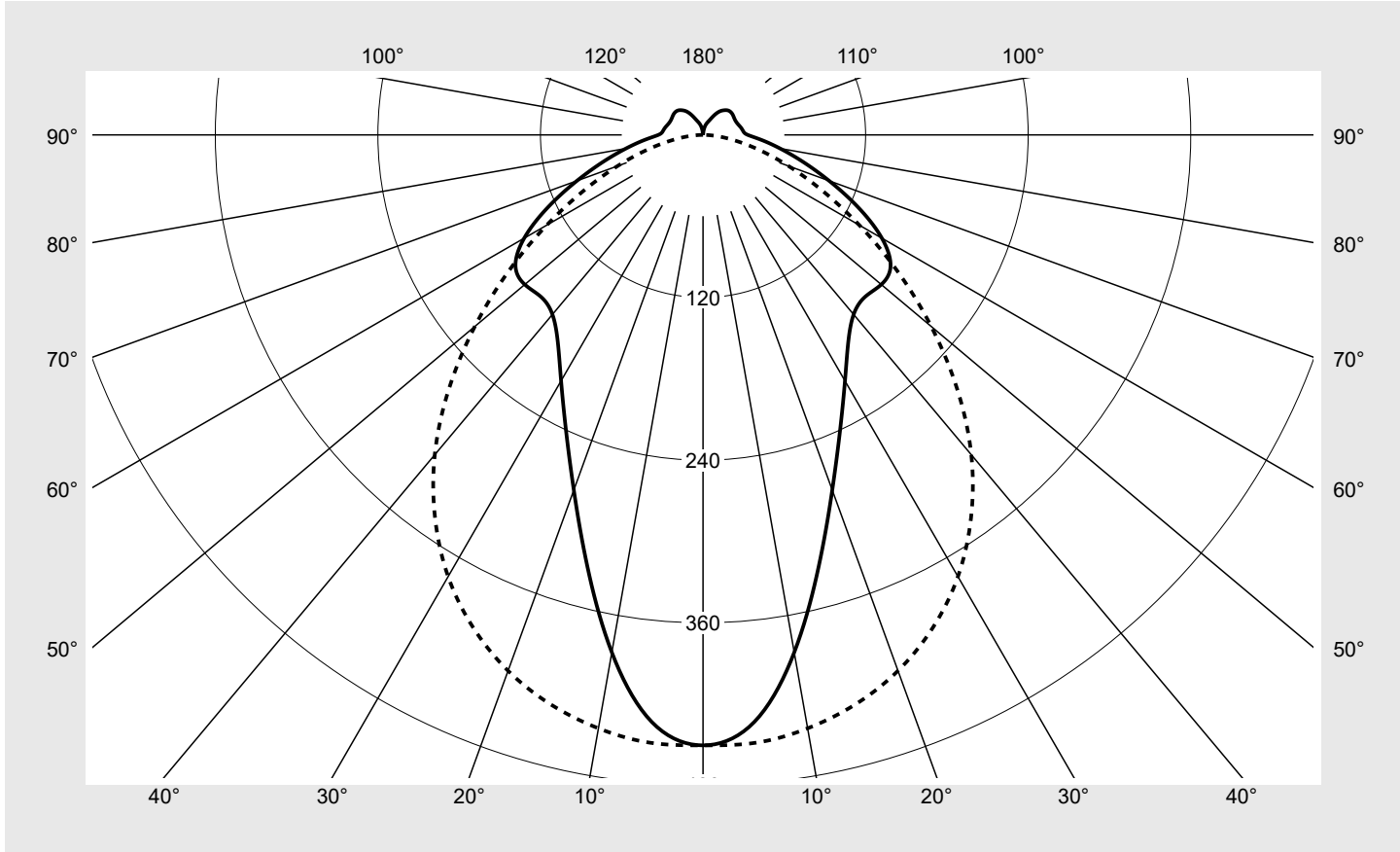


Photometric test report

Family DUS® 31	Order number: 53BD811MV4A5C2 EAN: 4069025509505	LP number 59593_66
	Version diffuser optic, frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 10960 lm Power consumption = 60.5 W Luminous efficacy = 181.2 lm/W	serial documentation 06.08.2025
		

Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 450 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=50 N2=78 N3=94 N4=90 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	90.4%
ϕ_o	9.6%

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°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
0°	450.4	450.4	450.4	450.4	450.4	450.4	450.4	2.7	2.7
5°	434.8	434.4	434.2	439.8	445.7	448.7	450.2	21.1	23.8
10°	387.7	390.2	396.4	411.2	428.2	439.8	444.6	39.4	63.1
15°	329.8	334.4	345.9	370.2	400.2	424.7	434.9	53.4	116.5
20°	278.9	283.9	296.1	324.2	364.7	403.3	420.8	63.2	179.7
25°	239.6	243.9	253.6	279.8	325.0	376.1	401.3	69.5	249.1
30°	209.6	212.8	219.1	240.3	283.9	343.6	376.3	72.7	321.9
35°	186.9	188.8	191.5	205.8	243.8	306.6	344.9	73.5	395.4
40°	173.0	173.1	171.1	177.5	207.0	267.1	308.1	72.6	468.0
45°	169.1	166.9	158.6	155.4	174.1	225.8	265.4	70.9	538.9
50°	171.8	167.4	153.3	140.0	146.6	186.3	219.9	69.2	608.2
55°	169.0	164.3	148.2	128.3	123.8	150.1	175.1	66.4	674.5
60°	152.5	148.9	135.5	115.0	103.6	117.6	133.2	60.4	734.9
65°	126.3	124.1	114.5	97.6	84.4	89.2	96.9	51.5	786.4
70°	99.0	97.7	90.6	78.2	65.9	64.8	67.1	41.2	827.6
75°	76.1	75.0	69.7	60.3	49.1	44.1	43.1	31.6	859.2
80°	57.7	56.8	53.2	44.9	34.6	27.3	24.1	23.2	882.4
85°	43.5	42.6	39.5	32.5	22.9	14.7	10.1	16.3	898.6
90°	33.0	32.1	28.8	22.5	14.4	6.3	0.8	11.1	909.7
95°	29.9	28.9	25.8	20.4	13.4	6.1	0.9	10.0	919.7
100°	28.7	27.7	24.5	19.6	13.4	6.3	0.9	9.6	929.3
105°	27.4	26.4	23.6	19.5	13.7	6.7	0.8	9.2	938.4
110°	26.5	25.4	23.3	19.7	14.2	7.2	0.7	8.9	947.3
115°	26.1	25.1	23.5	20.2	14.6	6.8	0.8	8.6	955.9
120°	26.2	25.3	23.9	20.5	14.8	6.4	0.8	8.3	964.2
125°	26.5	25.6	24.0	20.4	14.4	6.3	0.8	7.8	972.0
130°	26.5	25.4	23.5	19.6	12.9	6.2	0.9	7.1	979.0
135°	25.6	24.4	22.2	18.2	10.9	5.6	1.1	6.1	985.2
140°	23.7	22.4	20.1	15.4	9.4	4.6	1.1	4.9	990.1
145°	21.0	19.8	17.0	12.1	7.6	3.5	1.3	3.7	993.8
150°	16.9	15.5	12.9	9.4	6.3	2.5	1.3	2.5	996.4
155°	12.6	11.7	10.1	7.4	5.2	1.9	1.4	1.7	998.0
160°	9.9	9.3	7.5	5.7	3.8	1.6	1.4	1.0	999.1
165°	7.7	7.3	5.1	4.1	2.4	1.5	1.4	0.6	999.7
170°	4.8	3.7	2.7	2.3	1.6	1.5	1.5	0.2	999.9
175°	1.6	1.5	1.5	1.5	1.5	1.5	1.5	0.1	1000.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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	22.7	24.3	24.6	22.8	24.5	23.2	24.8	25.1
	3H	24.1	25.6	24.4	25.9	26.3	24.0	25.6	24.4	25.9	26.2
	4H	24.8	26.2	25.2	26.5	26.9	24.5	25.9	24.9	26.3	26.6
	6H	25.3	26.7	25.7	27.0	27.4	24.8	26.1	25.2	26.5	26.9
	8H	25.6	26.9	26.0	27.2	27.6	25.0	26.2	25.4	26.6	27.0
	12H	25.9	27.0	26.3	27.4	27.8	25.0	26.2	25.5	26.6	27.0
4H	2H	22.9	24.3	23.3	24.7	25.1	23.3	24.7	23.7	25.1	25.4
	3H	24.9	26.1	25.3	26.5	26.9	24.7	25.9	25.1	26.3	26.7
	4H	25.7	26.8	26.1	27.2	27.6	25.2	26.3	25.7	26.7	27.2
	6H	26.4	27.4	26.9	27.8	28.3	25.6	26.6	26.1	27.0	27.5
	8H	26.8	27.7	27.2	28.1	28.6	25.8	26.7	26.3	27.1	27.6
	12H	27.1	27.9	27.6	28.3	28.8	25.9	26.7	26.4	27.2	27.7
8H	4H	26.0	26.9	26.4	27.3	27.8	25.6	26.4	26.0	26.9	27.3
	6H	26.9	27.6	27.4	28.1	28.6	26.1	26.8	26.6	27.3	27.8
	8H	27.3	28.0	27.8	28.5	29.0	26.3	27.0	26.8	27.4	28.0
	12H	27.8	28.3	28.3	28.8	29.4	26.5	27.0	27.0	27.5	28.1
12H	4H	26.0	26.8	26.5	27.3	27.8	25.6	26.4	26.1	26.9	27.4
	6H	27.0	27.6	27.5	28.1	28.6	26.2	26.9	26.7	27.3	27.9
	8H	27.5	28.0	28.0	28.5	29.1	26.5	27.0	27.0	27.5	28.1

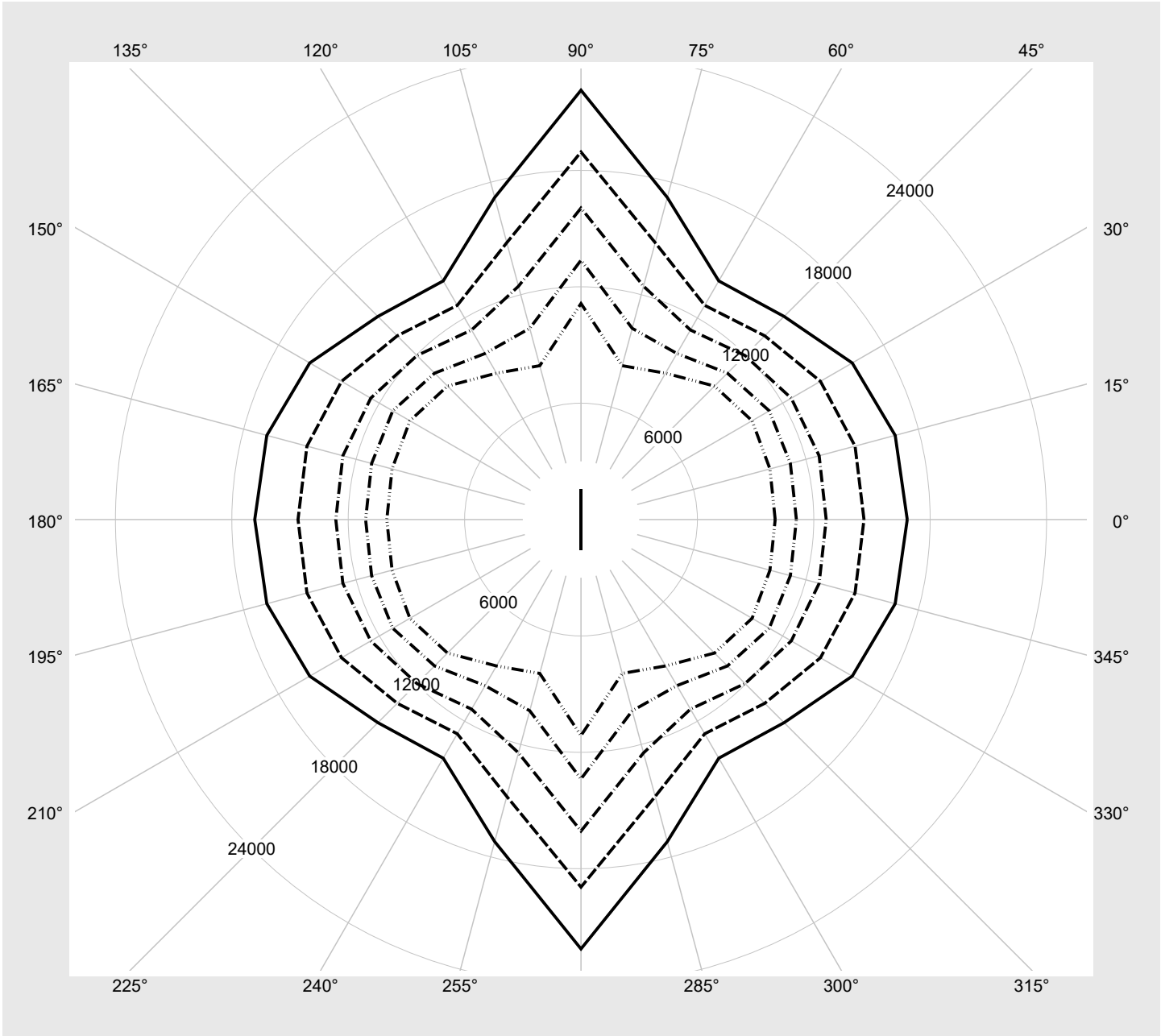
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1514	H(C0) = 25	H(C180) = 25
			B = 75	H(C90) = 0	H(C270) = 0

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°		17309.1	17228.3	16799.5	17170.2	20366.6	28377.8	36223.1	
50°		18458.7	18169.7	17124.3	16413.3	18362.4	25371.7	33019.0	
55°		19265.3	18941.1	17664.2	16146.9	16832.5	22487.3	29460.9	
60°		18657.7	18458.9	17434.7	15766.7	15519.8	19743.0	25720.0	
65°		16818.9	16768.9	16146.8	14807.6	14205.9	17190.1	22135.5	
70°		14588.9	14627.1	14253.3	13396.5	12753.8	14779.2	18947.6	
75°		12640.6	12709.7	12516.4	11959.2	11285.6	12453.9	16059.1	
80°		11103.7	11174.9	11207.9	10673.8	9887.5	10206.0	13370.3	
85°		10010.8	10084.1	10185.0	9733.0	8714.4	8212.4	11136.6	

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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	
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10960	60.5
2	A	C	F	10390	56.9
3	A	D	E	9830	53.4
4	A	D	F	9310	50.4
5	B	C	E	8800	47.4
6	B	C	F	8280	44.3
7	B	D	E	7760	41.3
8	B	D	F	7300	38.8