

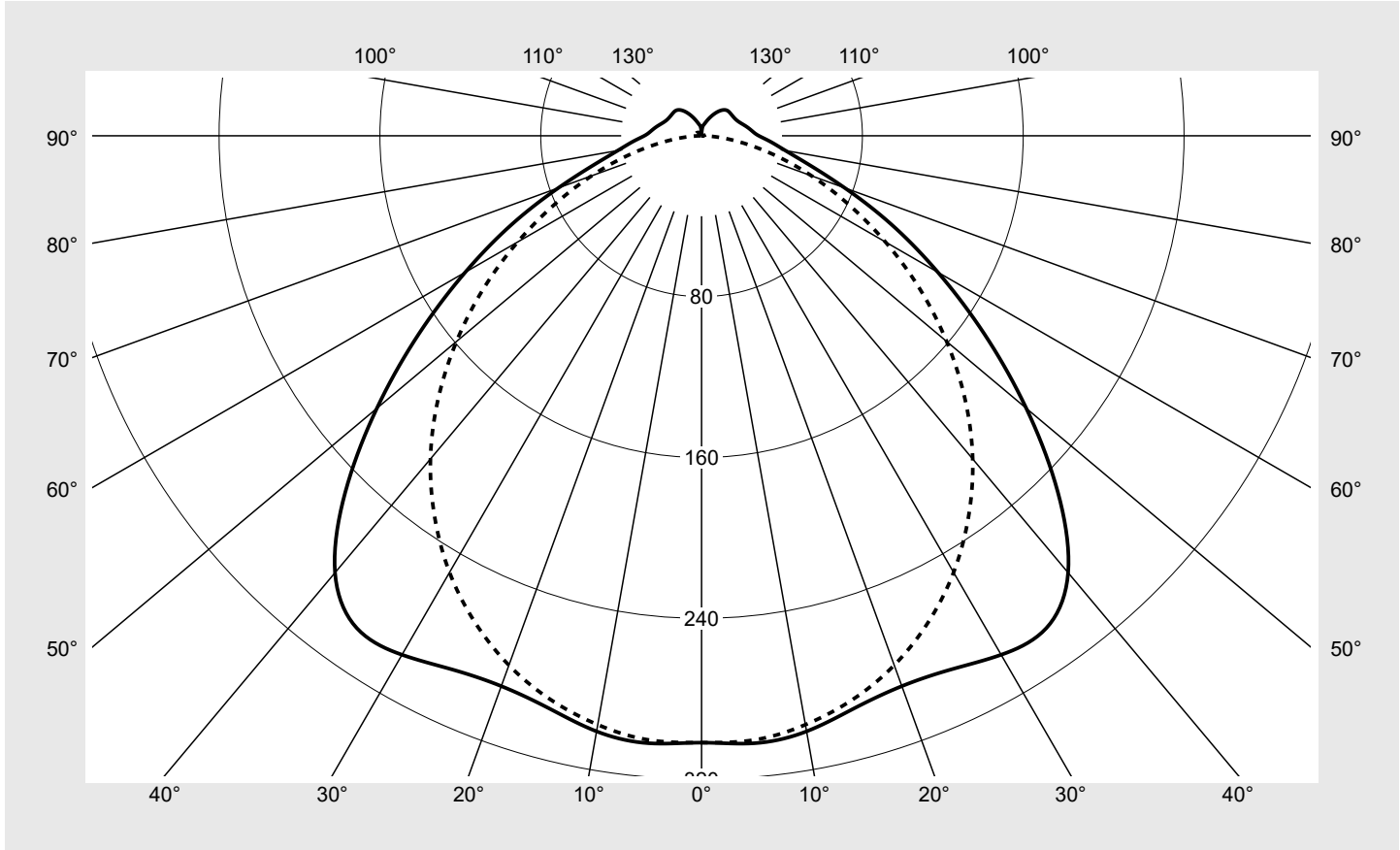


Photometric test report

Family DUS® 31	Order number: 53BD812C1V6105 EAN: 4058352434499	LP number 59064_10
	Version diffuser optic, frosted, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 10560 lm Power consumption = 63.8 W Luminous efficacy = 165.5 lm/W	serial documentation 29.10.2020
		

Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 303 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=47 N2=80 N3=95 N4=92 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	92.2%
ϕ_o	7.8%

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°	301.8	301.8	301.8	301.8	301.8	301.8	301.8	1.8	1.8
5°	303.3	302.1	299.9	300.9	301.9	301.5	301.6	14.4	16.2
10°	300.8	300.0	297.7	298.5	298.9	297.8	297.4	28.4	44.6
15°	294.6	294.3	291.7	292.6	293.1	291.2	290.3	41.5	86.1
20°	291.3	290.6	285.8	284.4	284.3	281.8	280.2	53.5	139.7
25°	293.0	291.5	283.0	276.7	273.3	269.6	266.9	64.6	204.3
30°	298.0	296.0	283.3	270.8	261.1	254.6	250.8	74.9	279.2
35°	299.0	297.5	283.8	265.6	248.4	237.0	231.5	83.7	362.9
40°	283.7	284.3	276.5	258.3	235.0	217.5	209.8	89.2	452.1
45°	250.6	253.6	254.2	243.8	219.3	195.5	185.4	89.4	541.5
50°	210.8	214.1	220.0	218.9	199.3	171.7	159.1	84.6	626.1
55°	171.6	174.1	180.5	185.1	173.7	146.4	132.4	75.7	701.8
60°	135.7	137.3	141.6	147.2	142.6	119.7	105.6	64.0	765.8
65°	104.1	104.9	107.1	111.0	110.3	93.2	80.6	51.2	817.1
70°	75.8	76.7	78.0	80.6	80.3	68.4	58.2	38.7	855.8
75°	55.2	55.4	55.7	57.0	55.4	46.3	38.3	27.9	883.7
80°	42.4	41.9	40.8	39.2	35.6	27.7	21.5	19.5	903.3
85°	34.5	33.8	31.7	27.6	21.5	14.0	8.7	13.7	916.9
90°	28.5	27.9	25.4	20.0	13.0	5.8	0.8	9.7	926.7
95°	25.4	25.0	22.9	18.2	11.9	5.4	1.1	8.8	935.5
100°	23.4	22.9	21.0	17.1	11.6	5.5	1.7	8.2	943.6
105°	21.5	21.0	19.3	16.3	11.6	5.8	2.4	7.6	951.2
110°	19.9	19.3	18.1	15.8	11.8	6.2	2.9	7.1	958.3
115°	18.9	18.4	17.5	15.6	12.1	6.5	2.9	6.7	965.0
120°	18.5	17.9	17.3	15.6	12.2	6.6	2.9	6.3	971.4
125°	18.2	17.7	17.1	15.5	11.7	6.5	2.7	5.9	977.3
130°	18.1	17.6	16.9	14.9	10.9	6.2	2.5	5.4	982.6
135°	17.9	17.2	16.1	13.6	9.8	5.6	2.4	4.7	987.3
140°	16.8	15.9	14.5	12.0	8.4	5.0	2.2	3.8	991.1
145°	14.9	14.0	12.6	10.1	6.9	4.5	2.0	3.0	994.1
150°	12.5	11.8	10.5	8.0	5.7	4.2	1.8	2.2	996.3
155°	10.2	9.6	8.4	6.3	5.0	3.7	1.6	1.5	997.8
160°	8.1	7.7	6.3	5.1	4.6	3.6	1.5	1.0	998.8
165°	6.4	6.2	4.7	4.5	4.1	4.7	1.5	0.7	999.5
170°	5.4	4.4	3.9	4.0	3.9	3.8	1.5	0.4	999.8
175°	3.9	3.2	4.4	4.7	3.9	2.2	1.5	0.2	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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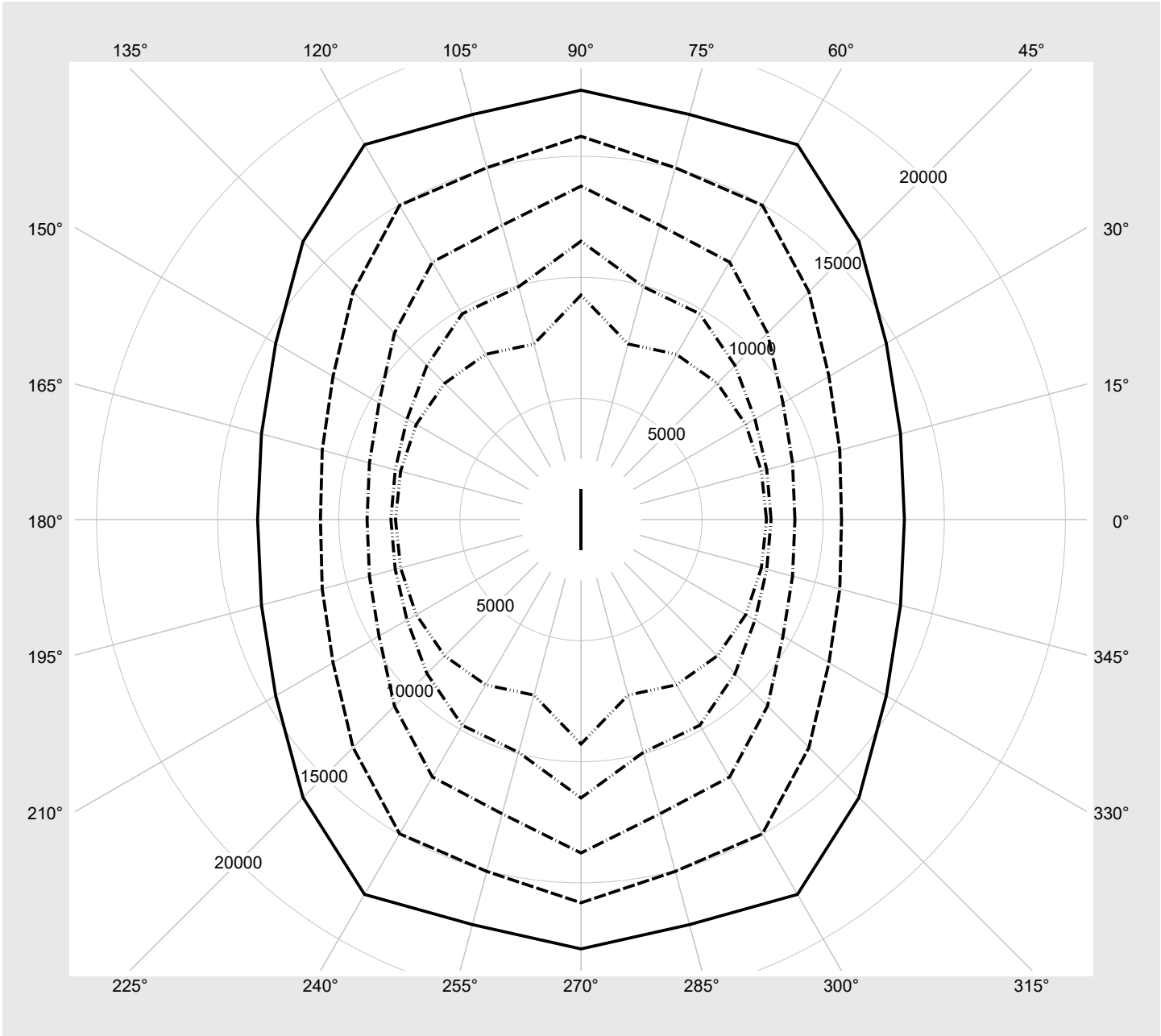
UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	22.9	24.6	23.2	24.9	25.2	22.7	24.4	23.0	24.7	25.0
	3H	23.9	25.4	24.2	25.7	26.1	23.8	25.4	24.2	25.7	26.1
	4H	24.2	25.7	24.6	26.0	26.4	24.2	25.7	24.6	26.0	26.4
	6H	24.6	25.9	25.0	26.3	26.6	24.5	25.9	24.9	26.2	26.6
	8H	24.8	26.0	25.2	26.4	26.8	24.6	25.9	25.0	26.3	26.7
	12H	24.9	26.1	25.4	26.5	26.9	24.7	25.9	25.1	26.3	26.7
4H	2H	23.5	25.0	23.9	25.3	25.7	23.4	24.8	23.8	25.2	25.6
	3H	24.7	25.9	25.1	26.3	26.7	24.8	26.0	25.2	26.4	26.8
	4H	25.1	26.2	25.6	26.6	27.1	25.3	26.4	25.7	26.8	27.2
	6H	25.6	26.5	26.0	27.0	27.4	25.7	26.6	26.1	27.1	27.5
	8H	25.8	26.7	26.3	27.1	27.6	25.8	26.7	26.2	27.1	27.6
	12H	26.1	26.8	26.5	27.3	27.8	25.9	26.7	26.3	27.1	27.6
8H	4H	25.4	26.3	25.9	26.7	27.2	25.6	26.4	26.0	26.9	27.4
	6H	26.0	26.7	26.5	27.2	27.7	26.1	26.8	26.5	27.3	27.8
	8H	26.3	26.9	26.8	27.4	27.9	26.2	26.9	26.7	27.4	27.9
	12H	26.6	27.2	27.2	27.7	28.2	26.4	26.9	26.9	27.4	28.0
12H	4H	25.4	26.2	25.9	26.7	27.2	25.6	26.4	26.1	26.8	27.3
	6H	26.1	26.7	26.6	27.2	27.7	26.1	26.8	26.6	27.3	27.8
	8H	26.4	27.0	26.9	27.5	28.0	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	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°		
		345°	330°	315°	300°	285°		
		Luminance in cd/m ²						
45°		24722.4	25225.4	25938.1	25948.1	24723.6	23666.1	24380.0
50°		21832.5	22386.9	23676.9	24727.0	24059.2	22525.5	23024.4
55°		18851.8	19339.3	20723.0	22452.7	22744.2	21130.5	21459.2
60°		16005.0	16392.2	17557.2	19443.9	20579.8	19374.7	19641.9
65°		13352.4	13658.6	14555.4	16231.9	17873.3	17314.8	17728.2
70°		10757.3	11061.5	11821.9	13308.9	14981.1	15039.5	15823.8
75°		8832.7	9041.8	9629.1	10890.3	12273.3	12578.9	13767.0
80°		7848.0	7940.7	8295.5	8994.4	9809.1	9951.5	11494.1
85°		7659.4	7710.4	7855.9	7958.7	7878.8	7505.4	9266.2

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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	10560	63.8	73.1	68.4
2	A	C	F	10090	60.6	69.3	65.0
3	A	D	E	9070	53.8	61.0	57.4
4	A	D	F	8020	47.0	53.3	50.2
5	B	C	E	7030	40.8	46.1	43.4
6	B	C	F	6010	34.7	39.0	36.8
7	B	D	E	5050	29.1	32.5	30.8
8	B	D	F	4060	23.5	26.1	24.8