
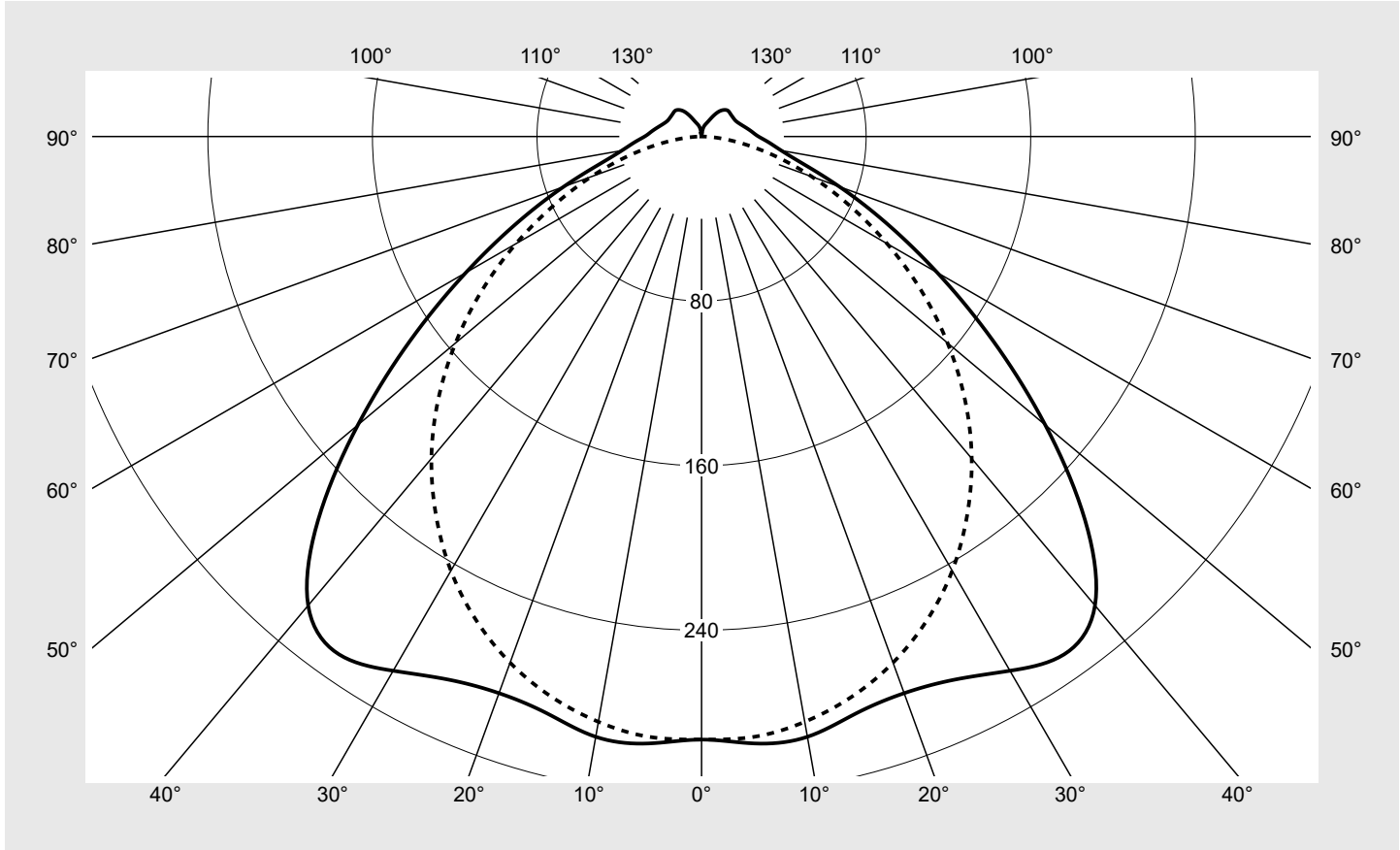


Photometric test report

Family DUS® 31 	Order number: 53BD812MV4FXD2 EAN: 4069025124470	LP number 59594_81
	Version diffuser optic, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 15440 lm Power consumption = 82.3 W Luminous efficacy = 187.6 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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Family DUS® 31	Order number: 53BD812MV4FXD2 EAN: 4069025124470	LP number 59594_81
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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	24.3	26.0	24.7	26.3	26.6	24.1	25.8	24.5	26.1	26.4
	3H	25.2	26.7	25.5	27.0	27.4	25.2	26.8	25.6	27.1	27.4
	4H	25.5	26.9	25.9	27.3	27.6	25.6	27.1	26.0	27.4	27.8
	6H	25.8	27.1	26.2	27.5	27.9	25.9	27.2	26.3	27.6	28.0
	8H	26.0	27.2	26.4	27.6	28.0	26.0	27.2	26.4	27.6	28.0
	12H	26.1	27.3	26.5	27.7	28.1	26.0	27.2	26.4	27.6	28.0
4H	2H	25.0	26.4	25.4	26.8	27.1	24.8	26.3	25.2	26.6	27.0
	3H	26.0	27.2	26.4	27.6	28.0	26.2	27.4	26.6	27.8	28.2
	4H	26.4	27.5	26.8	27.9	28.3	26.7	27.8	27.1	28.2	28.6
	6H	26.8	27.7	27.2	28.2	28.6	27.0	28.0	27.5	28.4	28.9
	8H	27.0	27.8	27.4	28.3	28.8	27.1	28.0	27.6	28.5	29.0
	12H	27.2	28.0	27.7	28.4	28.9	27.2	28.0	27.7	28.5	29.0
8H	4H	26.6	27.5	27.1	28.0	28.4	26.9	27.8	27.4	28.2	28.7
	6H	27.1	27.9	27.6	28.3	28.8	27.4	28.1	27.9	28.6	29.1
	8H	27.4	28.1	27.9	28.6	29.1	27.6	28.2	28.1	28.7	29.2
	12H	27.8	28.3	28.3	28.8	29.3	27.7	28.3	28.2	28.8	29.3
12H	4H	26.7	27.5	27.1	27.9	28.4	27.0	27.7	27.4	28.2	28.7
	6H	27.2	27.9	27.7	28.4	28.9	27.5	28.1	28.0	28.6	29.1
	8H	27.5	28.1	28.1	28.6	29.1	27.7	28.3	28.2	28.8	29.3

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°		38021.0	39018.8	40097.0	39431.9	36564.4	34381.2	34829.4	
50°		33017.8	34164.3	36515.2	38160.1	36153.2	32940.5	33022.3	
55°		27765.3	28785.3	31370.6	34662.8	34669.1	31137.8	30876.2	
60°		22810.5	23614.0	25791.8	29526.0	31524.1	28714.5	28322.8	
65°		18485.7	19077.5	20673.1	23985.4	27151.0	25644.3	25535.0	
70°		14806.7	15309.0	16484.8	19139.3	22421.5	22178.9	22686.3	
75°		11933.8	12314.4	13371.0	15510.7	18103.4	18423.2	19690.8	
80°		10674.2	10839.6	11476.6	12779.6	14305.1	14471.9	16361.8	
85°		10637.1	10713.5	10931.2	11189.3	11297.4	10746.0	13010.0	

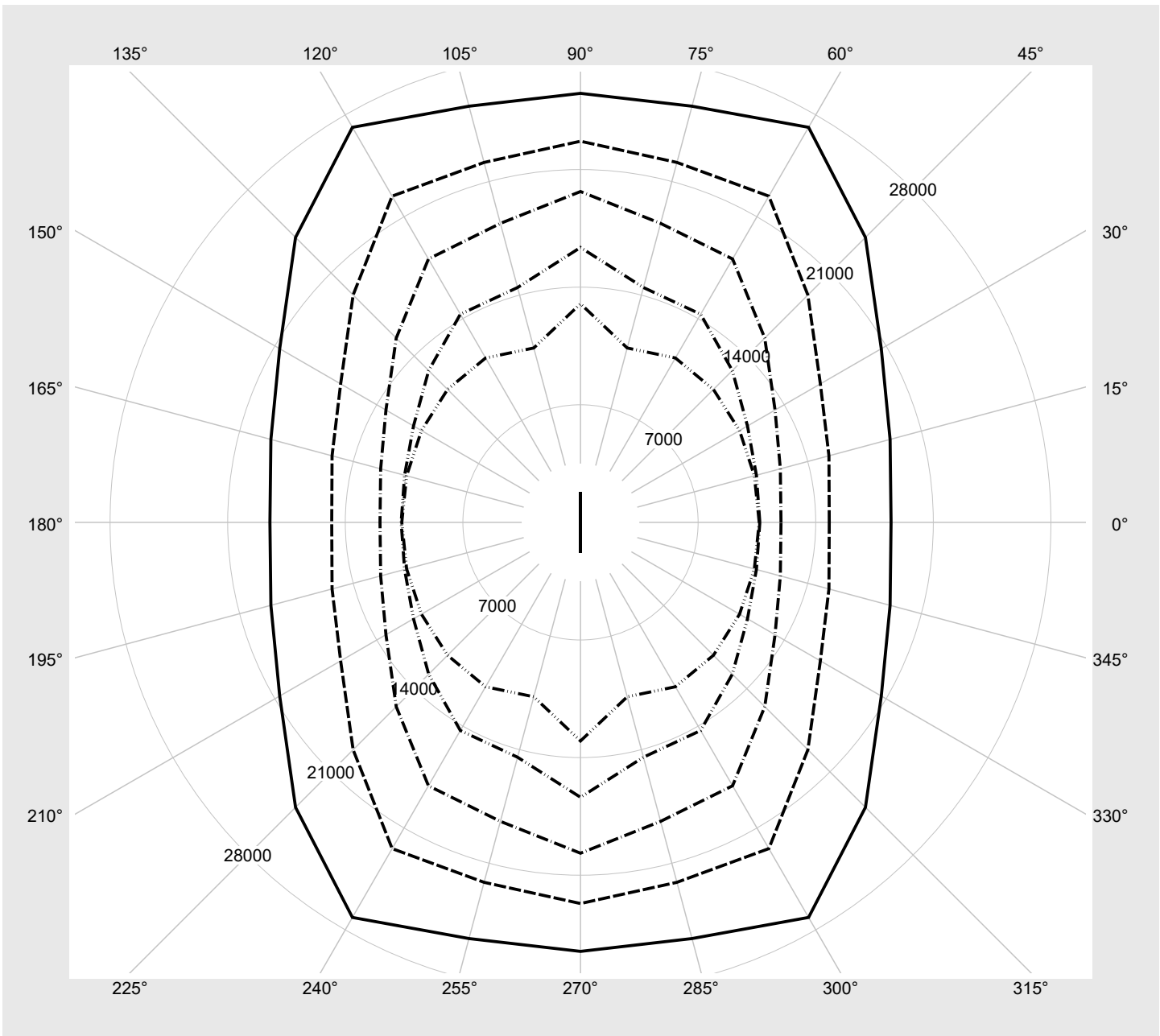
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Family
DUS® 31

Order number: 53BD812MV4FXD2
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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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59594_81

Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15440	82.3
2	A	C	F	14548	77.2
3	A	D	E	13719	72.4
4	A	D	F	12962	68.1
5	B	C	E	12194	63.8
6	B	C	F	11417	59.5
7	B	D	E	10649	55.2
8	B	D	F	9861	51.0