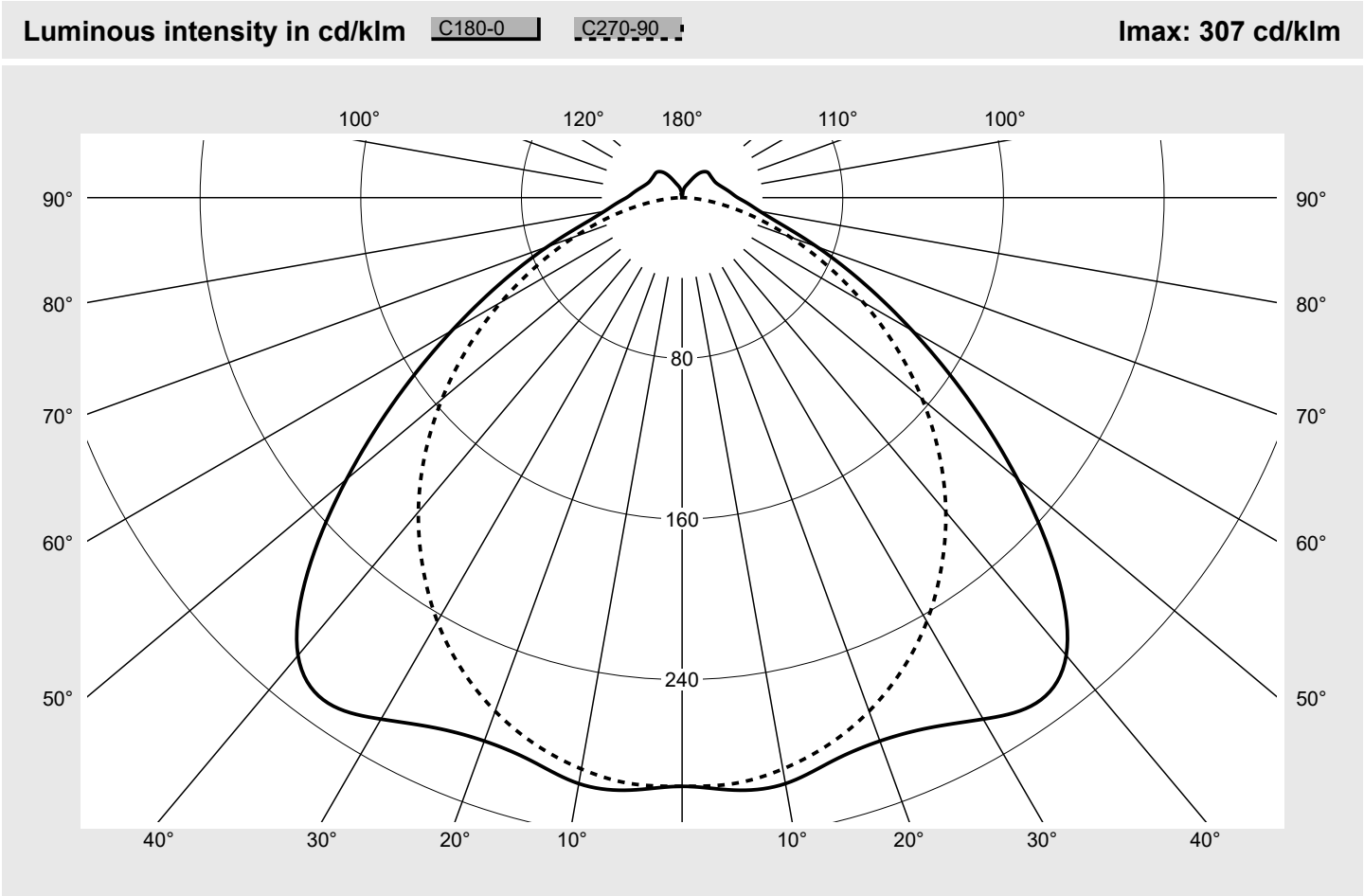


Photometric test report

Family DUS® 31	Order number: 53BD812DV47XC2 EAN: 4069025841889	LP number 59594_230
	Version	diffuser optic, frosted, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7000 lm Power consumption = 38.1 W Luminous efficacy = 183.7 lm/W
		serial documentation 22.06.2026
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=47 N2=80 N3=95	ϕ_u	92.6%
	N4=93 N5=100	ϕ_o	7.4%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family DUS® 31	Order number: 53BD812DV47XC2 EAN: 4069025841889	LP number 59594_230
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	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
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
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: 53BD812DV47XC2 EAN: 4069025841889	LP number 59594_230
UGR-Table	Standard room	siteco

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	21.6	23.3	21.9	23.6	23.9	21.4	23.1	21.7	23.4	23.7
	3H	22.4	23.9	22.8	24.3	24.6	22.5	24.0	22.9	24.3	24.7
	4H	22.7	24.2	23.1	24.5	24.9	22.9	24.3	23.3	24.7	25.0
	6H	23.0	24.3	23.4	24.7	25.1	23.1	24.5	23.5	24.8	25.2
	8H	23.2	24.4	23.6	24.8	25.2	23.2	24.5	23.6	24.9	25.3
	12H	23.4	24.5	23.8	24.9	25.3	23.3	24.5	23.7	24.9	25.3
4H	2H	22.2	23.7	22.6	24.0	24.4	22.1	23.5	22.5	23.9	24.2
	3H	23.2	24.4	23.6	24.8	25.2	23.4	24.6	23.8	25.0	25.4
	4H	23.6	24.7	24.1	25.1	25.6	23.9	25.0	24.4	25.4	25.9
	6H	24.0	25.0	24.5	25.4	25.9	24.3	25.3	24.7	25.7	26.1
	8H	24.2	25.1	24.7	25.5	26.0	24.4	25.3	24.9	25.7	26.2
	12H	24.5	25.2	24.9	25.7	26.2	24.5	25.3	25.0	25.7	26.2
8H	4H	23.9	24.8	24.3	25.2	25.7	24.2	25.1	24.6	25.5	26.0
	6H	24.4	25.1	24.9	25.6	26.1	24.7	25.4	25.1	25.9	26.4
	8H	24.7	25.3	25.2	25.8	26.3	24.8	25.5	25.3	26.0	26.5
	12H	25.0	25.6	25.5	26.1	26.6	25.0	25.5	25.5	26.0	26.6
12H	4H	23.9	24.7	24.4	25.2	25.7	24.2	25.0	24.7	25.5	25.9
	6H	24.5	25.1	25.0	25.6	26.1	24.7	25.4	25.2	25.9	26.4
	8H	24.8	25.4	25.3	25.9	26.4	25.0	25.5	25.5	26.0	26.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1514 B = 75		H(C0) = 25 H(C90) = 0		H(C180) = 25 H(C270) = 0	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°				
		Luminance in cd/m²									
γ											
45°		17237.5	17689.9	18178.7	17877.1	16577.1	15587.3	15790.5			
50°		14969.2	15489.0	16554.8	17300.6	16390.7	14934.2	14971.2			
55°		12587.9	13050.3	14222.4	15715.0	15717.9	14116.9	13998.3			
60°		10341.6	10705.8	11693.2	13386.1	14292.0	13018.2	12840.7			
65°		8380.8	8649.1	9372.5	10874.2	12309.4	11626.3	11576.7			
70°		6712.9	6940.6	7473.7	8677.2	10165.2	10055.2	10285.2			
75°		5410.4	5582.9	6062.0	7032.1	8207.5	8352.5	8927.2			
80°		4839.3	4914.3	5203.1	5793.8	6485.5	6561.1	7417.9			
85°		4822.5	4857.2	4955.8	5072.9	5121.9	4871.9	5898.3			

Photometric test report

Family
DUS® 31

Order number: 53BD812DV47XC2
EAN: 4069025841889

LP number
59594_230

Luminance values in cd/m²

γ 65°

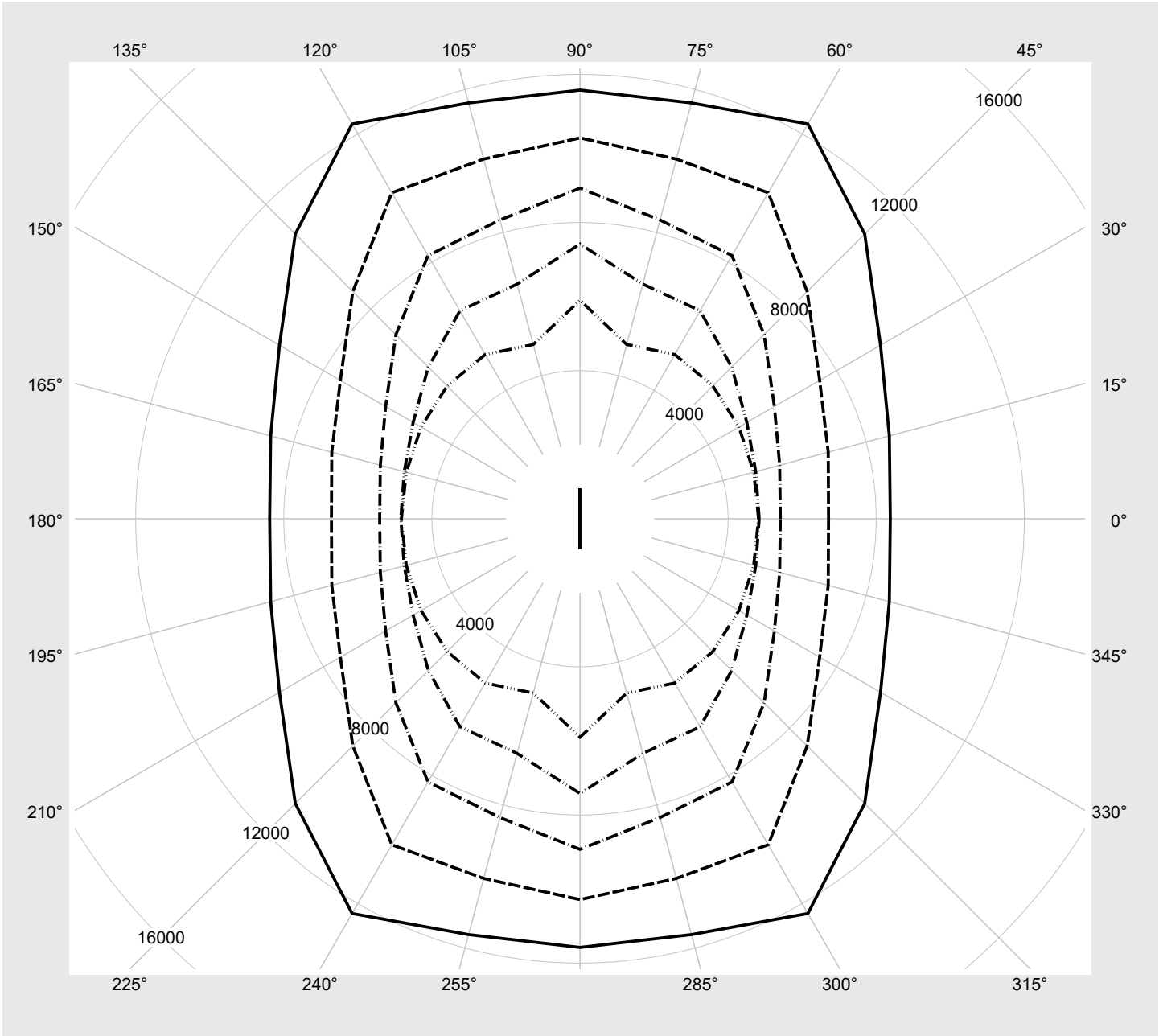
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family DUS® 31	Order number: 53BD812DV47XC2 EAN: 4069025841889	LP number 59594_230
Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7000	38.1
95	241	252	6661	36.2
90	227	250	6293	34.1
85	214	248	5949	32.3
80	201	245	5602	30.4
75	188	243	5253	28.4
70	175	240	4903	26.6
65	162	238	4550	24.7
60	149	234	4195	22.8
55	136	231	3838	21.0
50	124	228	3506	19.3
45	111	224	3146	17.5
40	99	219	2807	15.8
35	86	214	2443	14.1
30	74	209	2104	12.4
25	62	202	1764	10.7
20	49	194	1394	8.5
15	37	183	1052	6.8
10	25	169	706	5.1
5	13	145	360	3.2
2	5	110	129	2.1