

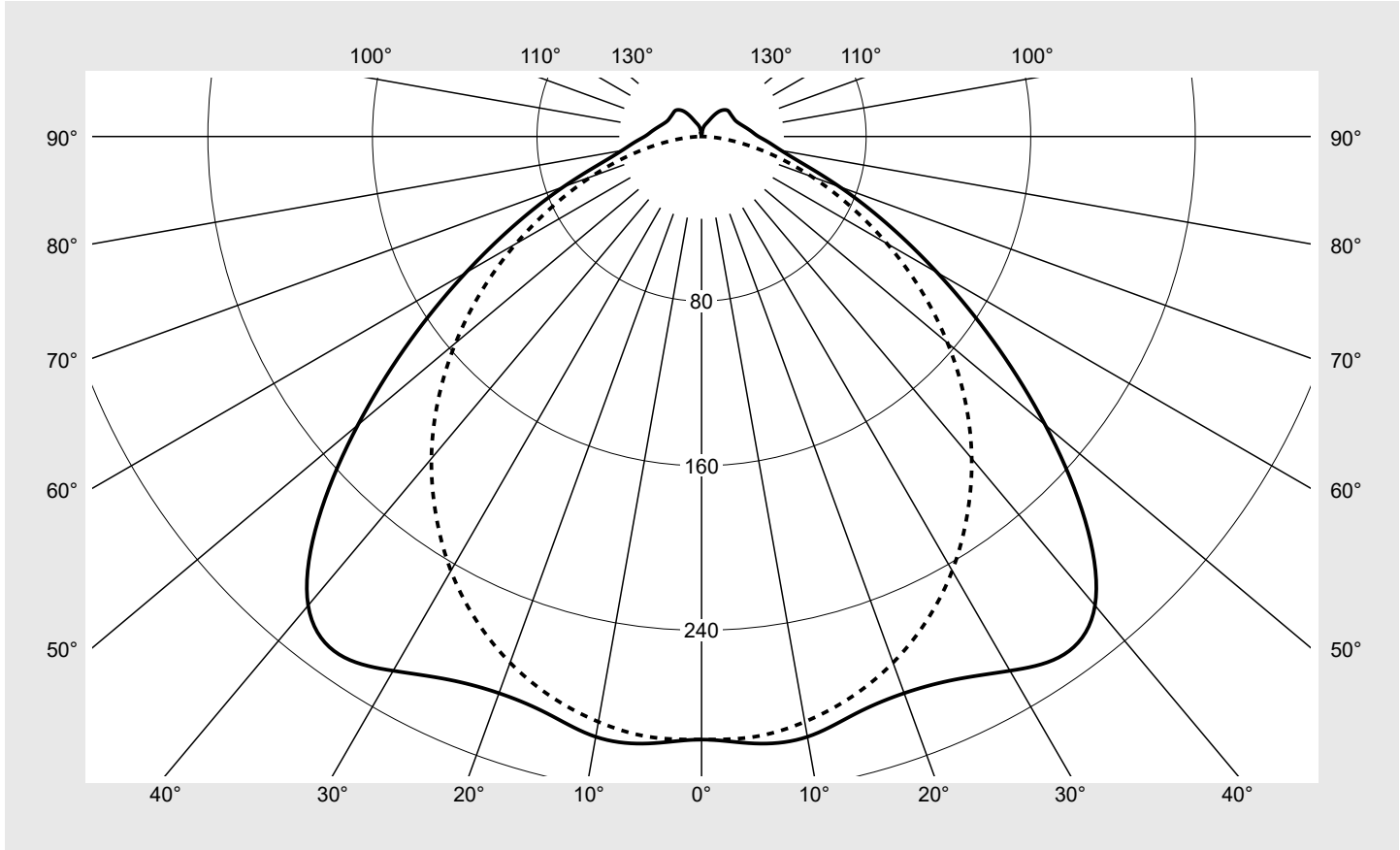


Photometric test report

Family DUS® 31	Order number: 53BD812DV4A5C23SL3 EAN: 4069025254771	LP number 59594_123
	Version diffuser optic, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting emergency light operation: 3 h Rated values Net luminous flux = 950 lm Power consumption = 6.3 W Luminous efficacy = 150.8 lm/W	serial documentation 11.09.2024
		

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

Photometric test report

Family DUS® 31	Order number: 53BD812DV4A5C23SL3 EAN: 4069025254771	LP number 59594_123
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

Photometric test report

Family DUS® 31	Order number: 53BD812DV4A5C23SL3 EAN: 4069025254771	LP number 59594_123
--------------------------	--	-------------------------------

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	14.6	16.3	15.0	16.6	17.0	14.4	16.1	14.8	16.4	16.7
	3H	15.5	17.0	15.9	17.3	17.7	15.5	17.1	15.9	17.4	17.8
	4H	15.8	17.2	16.2	17.6	17.9	15.9	17.4	16.3	17.7	18.1
	6H	16.1	17.4	16.5	17.8	18.2	16.2	17.5	16.6	17.9	18.3
	8H	16.3	17.5	16.7	17.9	18.3	16.3	17.5	16.7	17.9	18.3
	12H	16.4	17.6	16.9	18.0	18.4	16.3	17.5	16.7	17.9	18.3
4H	2H	15.3	16.7	15.7	17.1	17.4	15.2	16.6	15.6	16.9	17.3
	3H	16.3	17.5	16.7	17.9	18.3	16.5	17.7	16.9	18.1	18.5
	4H	16.7	17.8	17.1	18.2	18.6	17.0	18.1	17.4	18.5	18.9
	6H	17.1	18.0	17.5	18.5	18.9	17.3	18.3	17.8	18.7	19.2
	8H	17.3	18.2	17.7	18.6	19.1	17.5	18.4	17.9	18.8	19.3
	12H	17.5	18.3	18.0	18.8	19.2	17.5	18.3	18.0	18.8	19.3
8H	4H	16.9	17.8	17.4	18.3	18.7	17.2	18.1	17.7	18.6	19.0
	6H	17.5	18.2	17.9	18.7	19.2	17.7	18.5	18.2	18.9	19.4
	8H	17.7	18.4	18.2	18.9	19.4	17.9	18.6	18.4	19.0	19.5
	12H	18.1	18.6	18.6	19.1	19.7	18.0	18.6	18.5	19.1	19.6
12H	4H	17.0	17.8	17.5	18.2	18.7	17.3	18.1	17.8	18.5	19.0
	6H	17.5	18.2	18.0	18.7	19.2	17.8	18.4	18.3	18.9	19.4
	8H	17.9	18.4	18.4	18.9	19.5	18.0	18.6	18.5	19.1	19.6

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°		2339.4	2400.8	2467.1	2426.2	2249.8	2115.4	2143.0	
50°		2031.5	2102.1	2246.7	2347.9	2224.5	2026.8	2031.8	
55°		1708.4	1771.1	1930.2	2132.8	2133.1	1915.9	1899.8	
60°		1403.5	1452.9	1586.9	1816.7	1939.6	1766.8	1742.7	
65°		1137.4	1173.8	1272.0	1475.8	1670.6	1577.9	1571.1	
70°		911.0	941.9	1014.3	1177.6	1379.6	1364.6	1395.9	
75°		734.3	757.7	822.7	954.4	1113.9	1133.6	1211.5	
80°		656.8	666.9	706.1	786.3	880.2	890.4	1006.7	
85°		654.5	659.2	672.6	688.5	695.1	661.2	800.5	

Photometric test report

Family
DUS® 31

Order number: 53BD812DV4A5C23SL3
EAN: 4069025254771

LP number
59594_123

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

