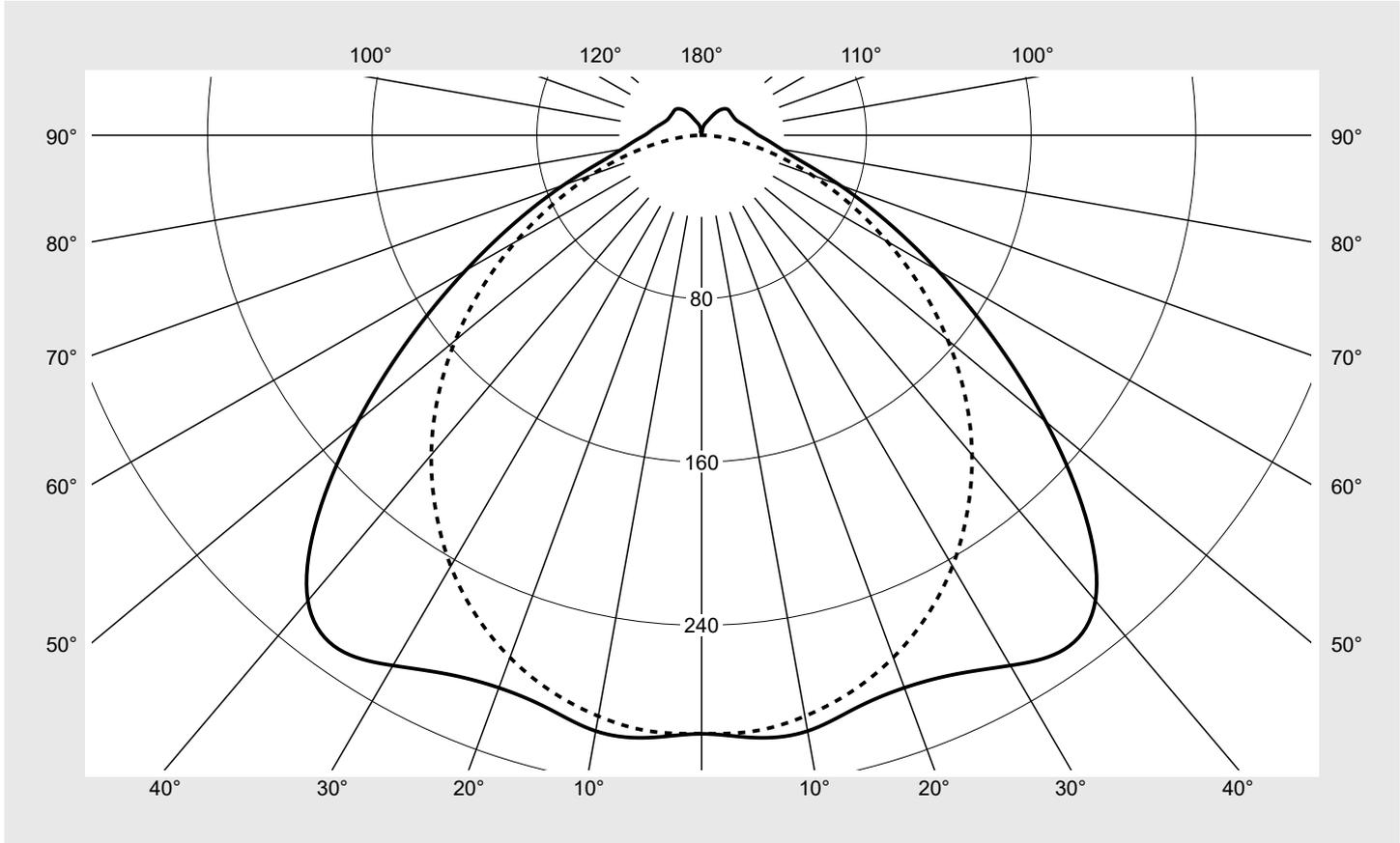


Photometric test report

Family Modario® 31 	Order number: 53BM812DV6A5C23S EAN: 4069025540829	LP number 59594_213
	Version diffuser optic, frosted, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-DALI Setting emergency light operation: 3 h Rated values Net luminous flux = 920 lm Power consumption = 6.3 W Luminous efficacy = 146 lm/W	serial documentation 13.10.2025

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

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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

Photometric test report

Family Modario® 31	Order number: 53BM812DV6A5C23S EAN: 4069025540829	LP number 59594_213
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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	14.6	16.3	15.0	16.6	16.9	14.4	16.1	14.8	16.4	16.7
	3H	15.5	17.0	15.8	17.3	17.7	15.5	17.0	15.9	17.4	17.7
	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	18.1	16.2	17.5	16.6	17.9	18.3
	8H	16.2	17.5	16.7	17.9	18.3	16.3	17.5	16.7	17.9	18.3
	12H	16.4	17.6	16.8	18.0	18.4	16.3	17.5	16.7	17.9	18.3
4H	2H	15.3	16.7	15.6	17.0	17.4	15.1	16.6	15.5	16.9	17.3
	3H	16.2	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	18.4	18.9	17.3	18.3	17.8	18.7	19.2
	8H	17.3	18.1	17.7	18.6	19.0	17.4	18.3	17.9	18.8	19.2
	12H	17.5	18.3	18.0	18.7	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	18.5	19.0
	6H	17.4	18.2	17.9	18.6	19.1	17.7	18.4	18.2	18.9	19.4
	8H	17.7	18.4	18.2	18.9	19.4	17.9	18.5	18.4	19.0	19.5
	12H	18.1	18.6	18.6	19.1	19.6	18.0	18.6	18.5	19.1	19.6
12H	4H	17.0	17.8	17.4	18.2	18.7	17.3	18.0	17.7	18.5	19.0
	6H	17.5	18.2	18.0	18.6	19.2	17.8	18.4	18.3	18.9	19.4
	8H	17.8	18.4	18.3	18.9	19.4	18.0	18.5	18.5	19.0	19.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1476	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°		2323.8	2384.8	2450.7	2410.1	2234.8	2101.4	2128.8	
50°		2018.0	2088.1	2231.8	2332.3	2209.7	2013.3	2018.3	
55°		1697.0	1759.3	1917.4	2118.6	2119.0	1903.1	1887.1	
60°		1394.2	1443.3	1576.4	1804.6	1926.7	1755.0	1731.1	
65°		1129.8	1166.0	1263.5	1466.0	1659.5	1567.4	1560.7	
70°		905.0	935.7	1007.5	1169.8	1370.4	1355.6	1386.6	
75°		729.4	752.6	817.2	948.0	1106.5	1126.0	1203.5	
80°		652.4	662.5	701.4	781.1	874.3	884.5	1000.0	
85°		650.1	654.8	668.1	683.9	690.5	656.8	795.2	

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Family
Modario® 31

Order number: 53BM812DV6A5C23S
EAN: 4069025540829

LP number
59594_213

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

