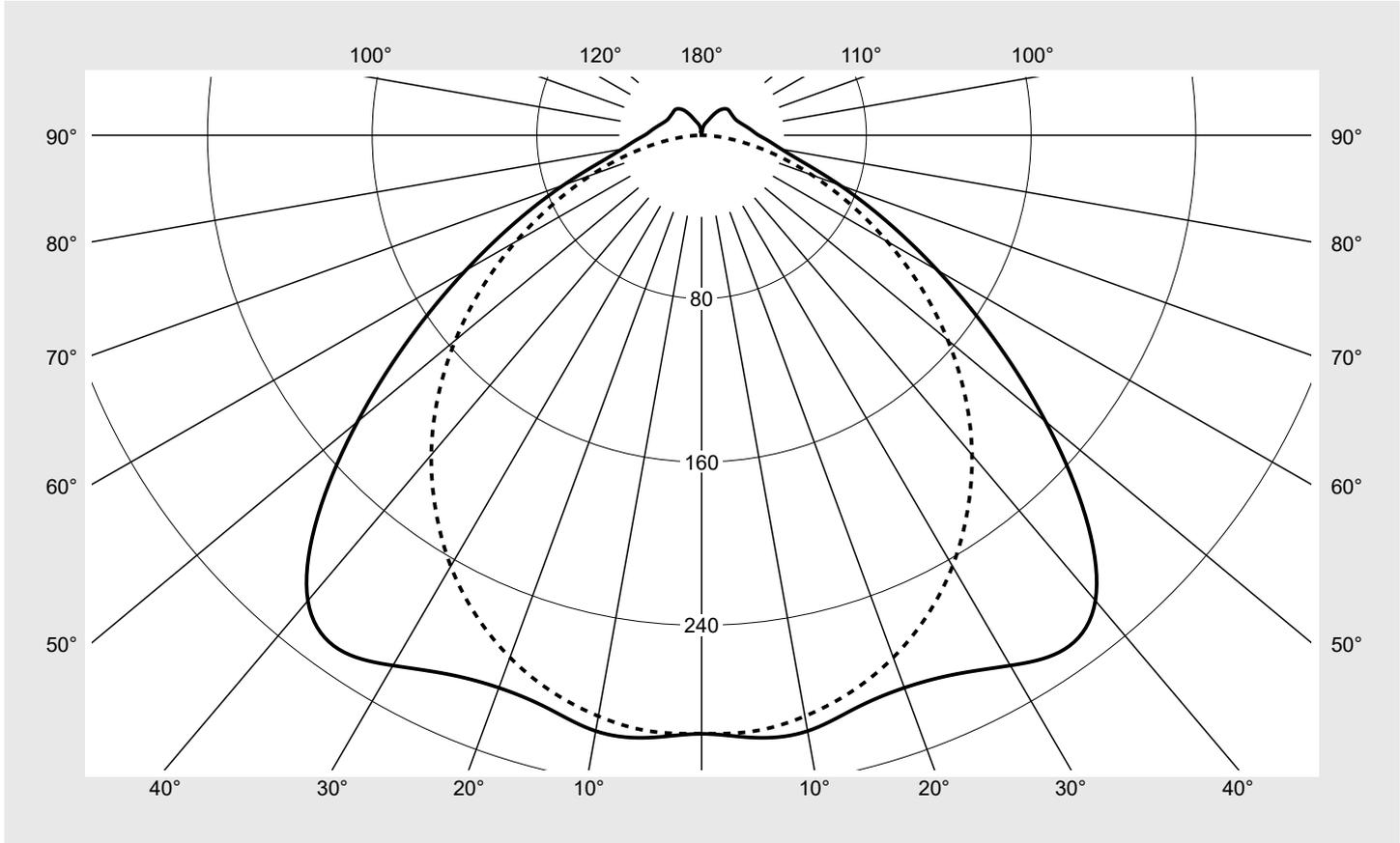


Photometric test report

Family Modario® 31 	Order number: 53BM812DV6A5C2 EAN: 4069025123176	LP number 59594_211
	Version diffuser optic, frosted, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 10550 lm Power consumption = 61.4 W Luminous efficacy = 171.8 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

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Family Modario® 31	Order number: 53BM812DV6A5C2 EAN: 4069025123176	LP number 59594_211
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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	23.1	24.8	23.4	25.1	25.4	22.9	24.6	23.2	24.9	25.2
	3H	23.9	25.5	24.3	25.8	26.1	24.0	25.5	24.4	25.9	26.2
	4H	24.3	25.7	24.6	26.0	26.4	24.4	25.8	24.8	26.2	26.5
	6H	24.5	25.9	25.0	26.2	26.6	24.6	26.0	25.0	26.3	26.7
	8H	24.7	26.0	25.1	26.3	26.7	24.7	26.0	25.1	26.4	26.8
	12H	24.9	26.0	25.3	26.4	26.8	24.8	26.0	25.2	26.4	26.8
4H	2H	23.7	25.2	24.1	25.5	25.9	23.6	25.0	24.0	25.4	25.8
	3H	24.7	25.9	25.1	26.3	26.7	24.9	26.2	25.4	26.5	27.0
	4H	25.1	26.2	25.6	26.6	27.1	25.4	26.6	25.9	27.0	27.4
	6H	25.5	26.5	26.0	26.9	27.4	25.8	26.8	26.3	27.2	27.7
	8H	25.7	26.6	26.2	27.1	27.5	25.9	26.8	26.4	27.2	27.7
	12H	26.0	26.8	26.5	27.2	27.7	26.0	26.8	26.5	27.2	27.7
8H	4H	25.4	26.3	25.9	26.7	27.2	25.7	26.6	26.2	27.0	27.5
	6H	25.9	26.6	26.4	27.1	27.6	26.2	26.9	26.7	27.4	27.9
	8H	26.2	26.8	26.7	27.3	27.8	26.3	27.0	26.8	27.5	28.0
	12H	26.5	27.1	27.0	27.6	28.1	26.5	27.0	27.0	27.5	28.1
12H	4H	25.4	26.2	25.9	26.7	27.2	25.7	26.5	26.2	27.0	27.5
	6H	26.0	26.6	26.5	27.1	27.6	26.3	26.9	26.8	27.4	27.9
	8H	26.3	26.9	26.8	27.4	27.9	26.5	27.0	27.0	27.5	28.1

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	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°		26648.2	27347.6	28103.3	27637.1	25627.3	24097.2	24411.3
50°		23141.6	23945.2	25592.8	26745.7	25339.1	23087.4	23144.7
55°		19460.2	20175.1	21987.1	24294.5	24299.0	21823.9	21640.5
60°		15987.5	16550.6	18077.0	20694.2	22094.6	20125.5	19851.0
65°		12956.3	13371.1	14489.4	16810.9	19029.6	17973.6	17897.0
70°		10377.8	10729.8	11553.9	13414.4	15714.8	15544.8	15900.4
75°		8364.2	8630.9	9371.5	10871.2	12688.3	12912.5	13800.9
80°		7481.3	7597.3	8043.8	8957.0	10026.2	10143.1	11467.7
85°		7455.4	7508.9	7661.4	7842.4	7918.2	7531.7	9118.5

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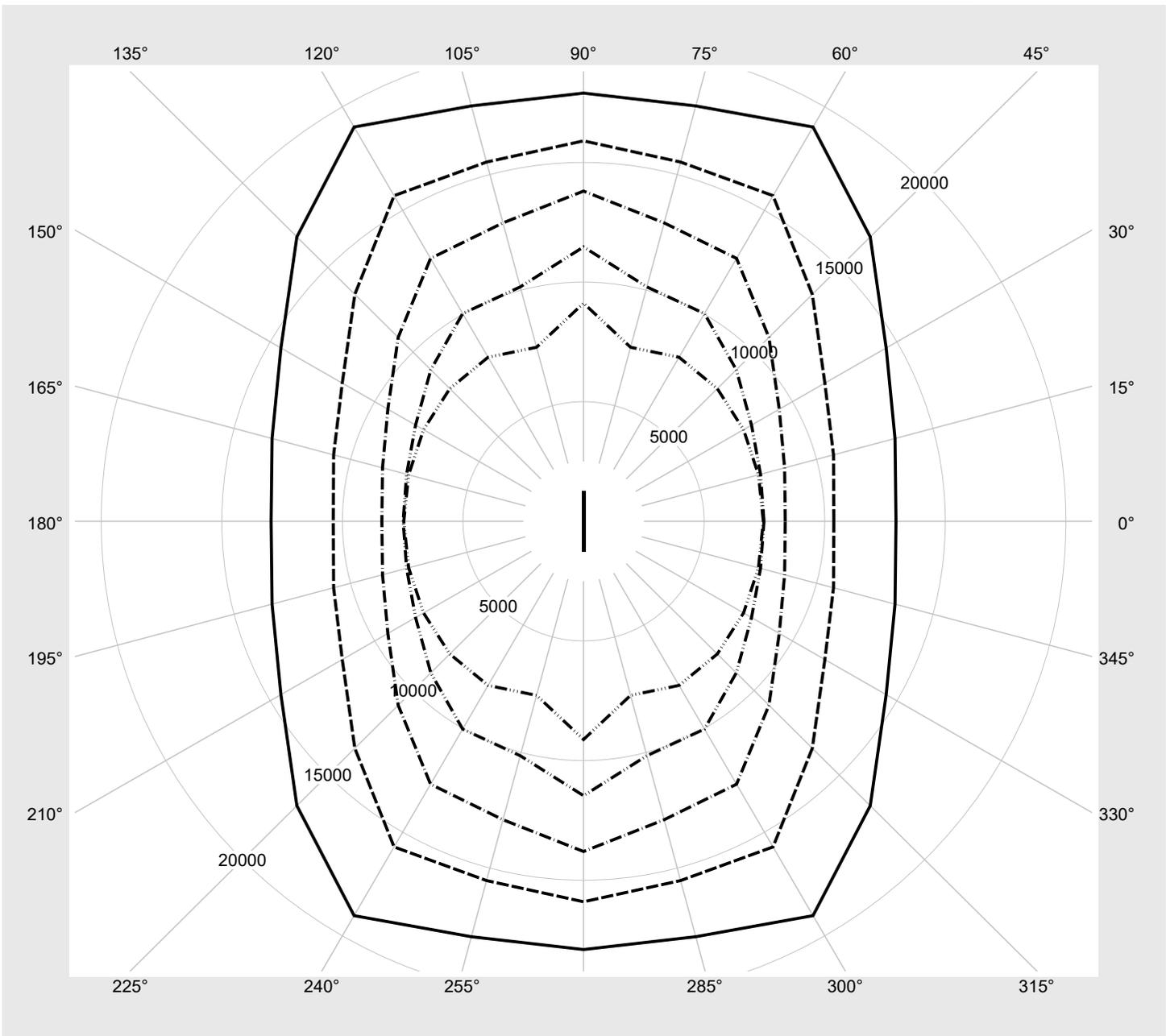
Family
Modario® 31

Order number: 53BM812DV6A5C2
EAN: 4069025123176

LP number
59594_211

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	10550	61.4
95	240	252	10024	57.9
90	226	250	9490	54.5
85	212	247	8951	51.0
80	199	245	8443	47.9
75	186	243	7928	44.8
70	172	240	7368	41.4
65	159	237	6843	38.3
60	146	234	6311	35.3
55	134	231	5815	32.5
50	121	227	5273	29.4
45	109	223	4767	26.6
40	96	218	4215	23.6
35	84	213	3701	20.8
30	72	208	3182	18.1
25	60	201	2655	15.4
20	48	193	2129	12.8
15	36	182	1598	10.0
10	24	168	1064	7.0
5	12	142	526	4.2
2	4	102	165	2.4