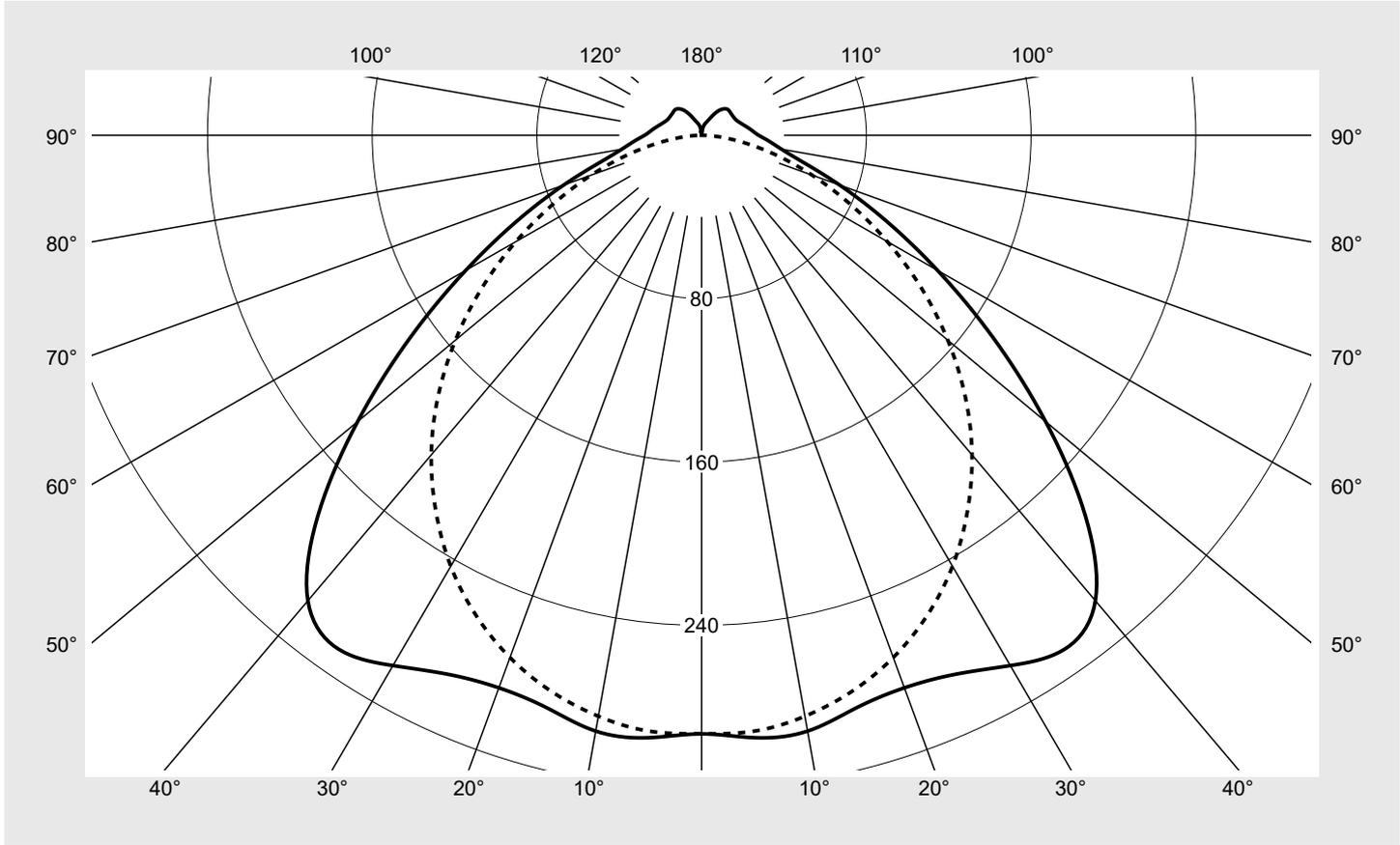


Photometric test report

Family Modario® 31 	Order number: 53BM812MV385C2 EAN: 4069025573278	LP number 59594_216
	Version diffuser optic, frosted, wide distribution Lamps LED 3000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 8230 lm Power consumption = 48.2 W Luminous efficacy = 170.7 lm/W	serial documentation 22.10.2025

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

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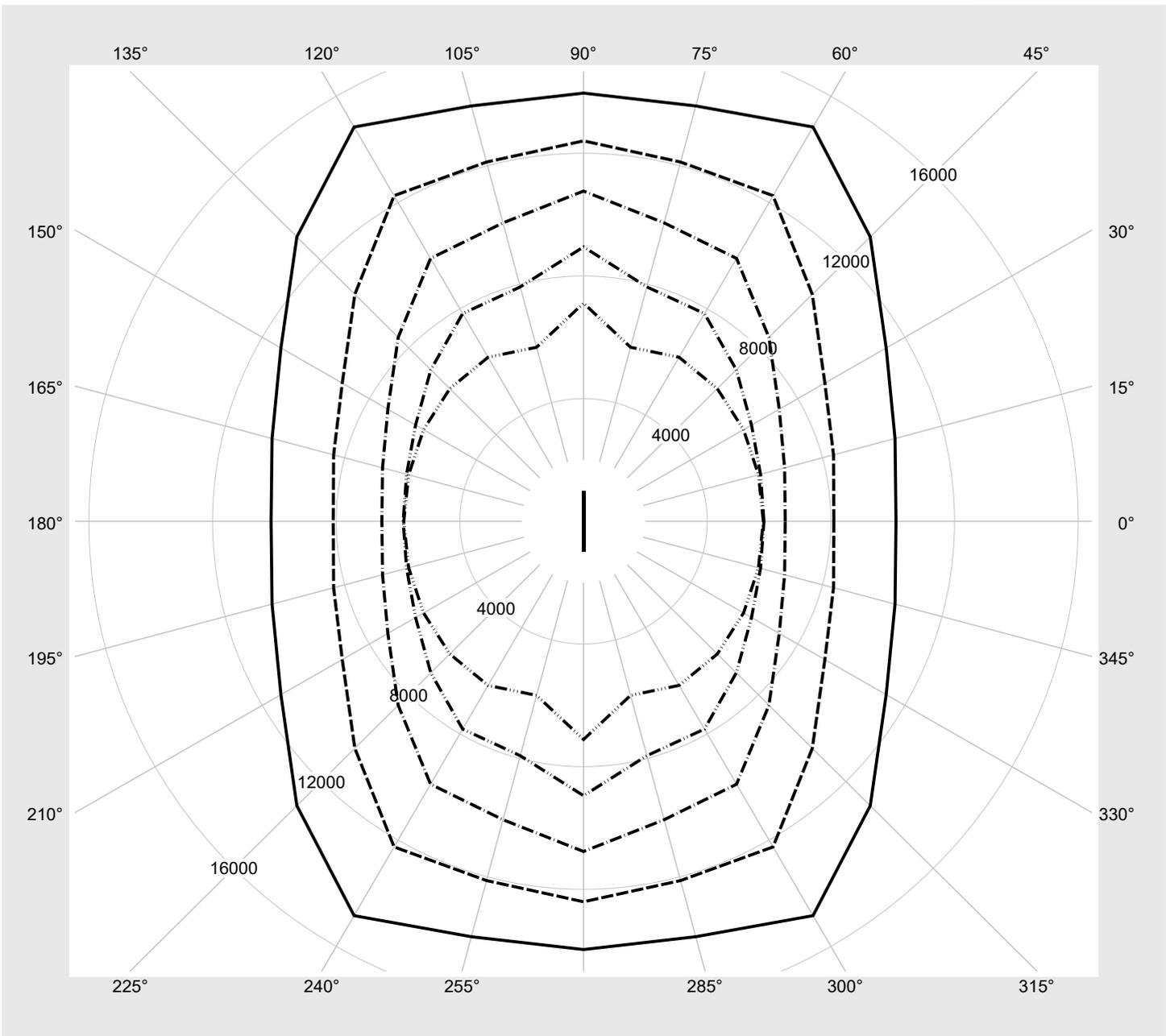
UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	22.2	23.9	22.6	24.2	24.5	22.0	23.7	22.4	24.0	24.3
	3H	23.1	24.6	23.4	24.9	25.3	23.1	24.7	23.5	25.0	25.3
	4H	23.4	24.8	23.8	25.2	25.5	23.5	25.0	23.9	25.3	25.7
	6H	23.7	25.0	24.1	25.4	25.8	23.8	25.1	24.2	25.5	25.9
	8H	23.9	25.1	24.3	25.5	25.9	23.9	25.1	24.3	25.5	25.9
	12H	24.0	25.2	24.4	25.6	26.0	23.9	25.1	24.3	25.5	25.9
4H	2H	22.9	24.3	23.3	24.7	25.0	22.8	24.2	23.1	24.5	24.9
	3H	23.9	25.1	24.3	25.5	25.9	24.1	25.3	24.5	25.7	26.1
	4H	24.3	25.4	24.7	25.8	26.2	24.6	25.7	25.0	26.1	26.5
	6H	24.7	25.6	25.1	26.1	26.5	24.9	25.9	25.4	26.3	26.8
	8H	24.9	25.8	25.3	26.2	26.7	25.0	25.9	25.5	26.4	26.9
	12H	25.1	25.9	25.6	26.3	26.8	25.1	25.9	25.6	26.4	26.9
8H	4H	24.5	25.4	25.0	25.9	26.3	24.8	25.7	25.3	26.1	26.6
	6H	25.0	25.8	25.5	26.3	26.8	25.3	26.0	25.8	26.5	27.0
	8H	25.3	26.0	25.8	26.5	27.0	25.5	26.1	26.0	26.6	27.1
	12H	25.7	26.2	26.2	26.7	27.3	25.6	26.2	26.1	26.7	27.2
12H	4H	24.6	25.4	25.1	25.8	26.3	24.9	25.6	25.3	26.1	26.6
	6H	25.1	25.8	25.6	26.3	26.8	25.4	26.0	25.9	26.5	27.0
	8H	25.5	26.0	26.0	26.5	27.0	25.6	26.2	26.1	26.7	27.2

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°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		20788.1	21333.7	21923.2	21559.5	19991.7	18798.1	19043.1
50°		18052.6	18679.5	19964.8	20864.2	19766.9	18010.4	18055.1
55°		15180.8	15738.5	17152.0	18952.0	18955.5	17024.7	16881.7
60°		12471.7	12911.0	14101.8	16143.4	17235.9	15699.8	15485.6
65°		10107.1	10430.7	11303.1	13114.1	14844.9	14021.1	13961.4
70°		8095.6	8370.3	9013.1	10464.5	12259.1	12126.4	12403.8
75°		6524.8	6732.9	7310.6	8480.6	9898.1	10073.0	10766.0
80°		5836.2	5926.6	6274.9	6987.3	7821.4	7912.6	8945.9
85°		5815.9	5857.7	5976.7	6117.8	6176.9	5875.4	7113.3

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	8230	48.2
2	A	C	F	7410	43.0
3	A	D	E	6930	40.0
4	A	D	F	6510	37.5
5	B	C	E	6010	34.5
6	B	C	F	5580	32.0
7	B	D	E	5080	29.1
8	B	D	F	4640	26.6