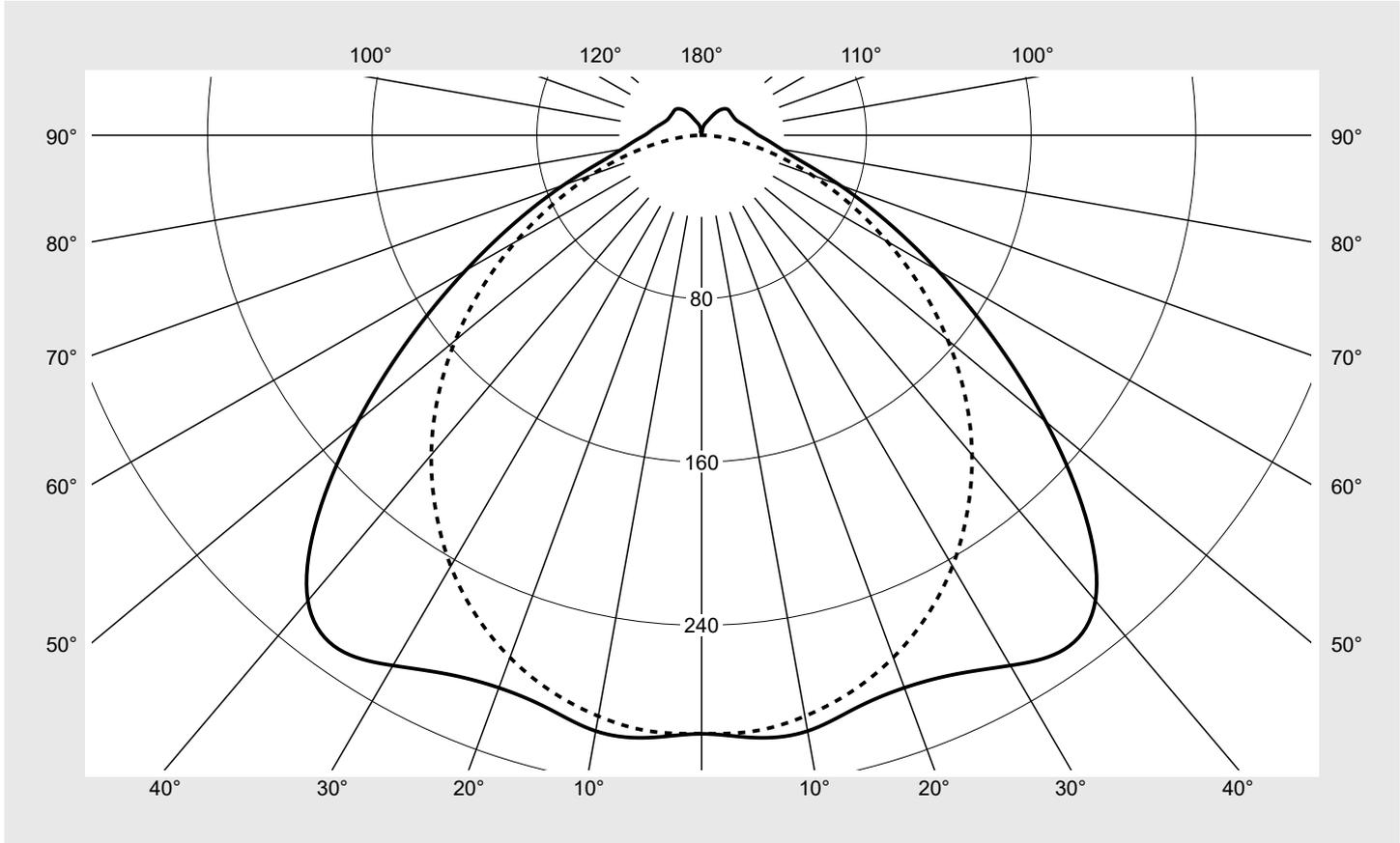


Photometric test report

Family Modario® 31	Order number: 53BM812MV485C2 EAN: 4069025186058	LP number 59594_92
	Version diffuser optic, frosted, wide distribution	serial documentation 16.07.2024
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
	Rated values Net luminous flux = 8950 lm Power consumption = 48.2 W Luminous efficacy = 185.7 lm/W	
		

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 Modario® 31	Order number: 53BM812MV485C2 EAN: 4069025186058	LP number 59594_92
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: 53BM812MV485C2 EAN: 4069025186058	LP number 59594_92
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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	22.5	24.2	22.9	24.5	24.8	22.3	24.0	22.7	24.3	24.6
	3H	23.4	24.9	23.7	25.2	25.6	23.4	25.0	23.8	25.3	25.6
	4H	23.7	25.1	24.1	25.5	25.8	23.8	25.3	24.2	25.6	26.0
	6H	24.0	25.3	24.4	25.7	26.0	24.1	25.4	24.5	25.8	26.2
	8H	24.2	25.4	24.6	25.8	26.2	24.2	25.4	24.6	25.8	26.2
	12H	24.3	25.5	24.7	25.9	26.3	24.2	25.4	24.6	25.8	26.2
4H	2H	23.2	24.6	23.5	25.0	25.3	23.0	24.5	23.4	24.8	25.2
	3H	24.2	25.4	24.6	25.8	26.2	24.4	25.6	24.8	26.0	26.4
	4H	24.6	25.7	25.0	26.1	26.5	24.9	26.0	25.3	26.4	26.8
	6H	25.0	25.9	25.4	26.3	26.8	25.2	26.2	25.7	26.6	27.1
	8H	25.2	26.0	25.6	26.5	27.0	25.3	26.2	25.8	26.7	27.1
	12H	25.4	26.2	25.9	26.6	27.1	25.4	26.2	25.9	26.7	27.2
8H	4H	24.8	25.7	25.3	26.2	26.6	25.1	26.0	25.6	26.4	26.9
	6H	25.3	26.1	25.8	26.5	27.0	25.6	26.3	26.1	26.8	27.3
	8H	25.6	26.3	26.1	26.8	27.3	25.8	26.4	26.3	26.9	27.4
	12H	26.0	26.5	26.5	27.0	27.5	25.9	26.5	26.4	27.0	27.5
12H	4H	24.9	25.7	25.3	26.1	26.6	25.2	25.9	25.6	26.4	26.9
	6H	25.4	26.1	25.9	26.5	27.1	25.7	26.3	26.2	26.8	27.3
	8H	25.7	26.3	26.2	26.8	27.3	25.9	26.5	26.4	26.9	27.5

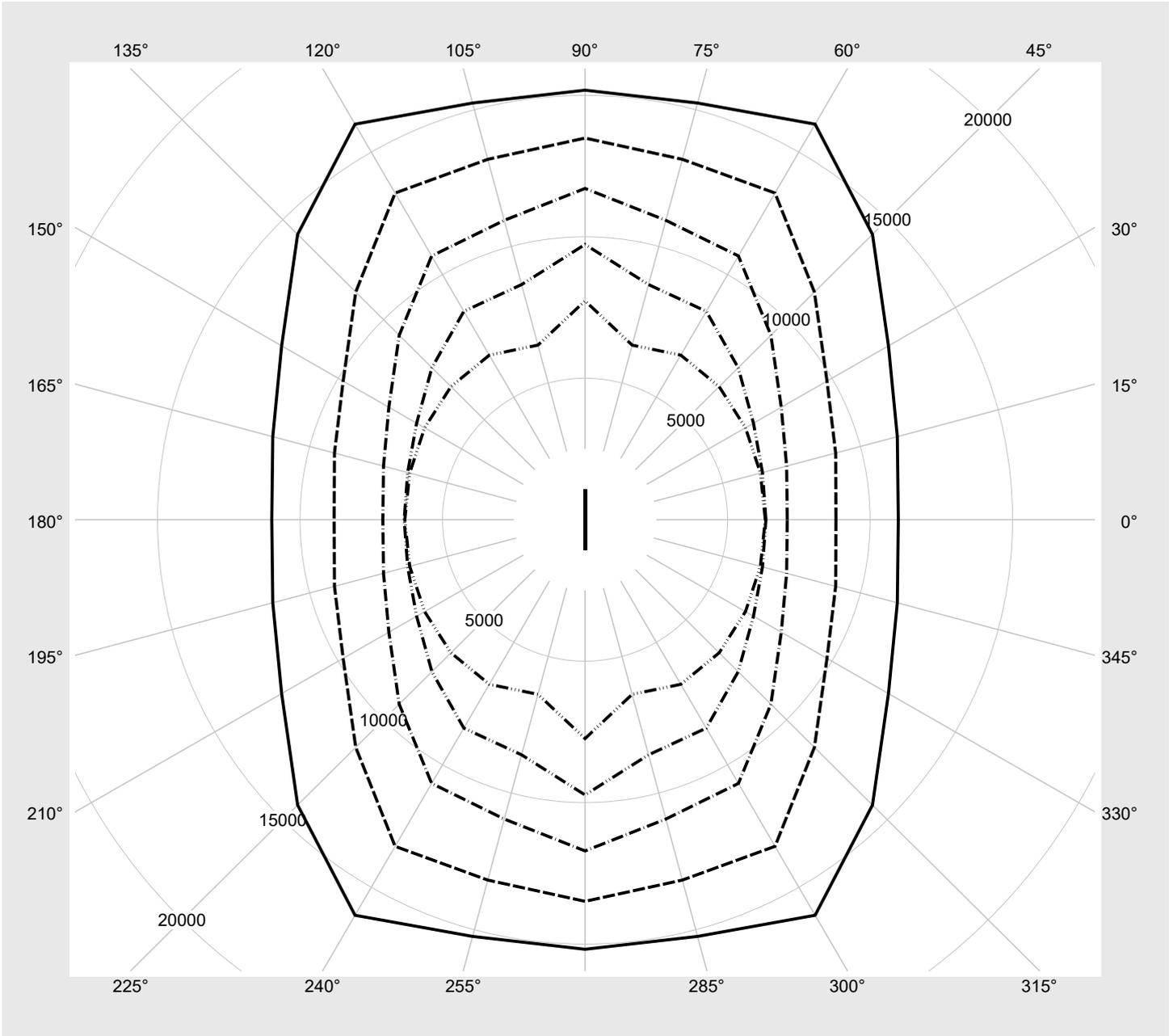
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1476	H(C0) = 25	H(C180) = 25
			B = 75	H(C90) = 0	H(C270) = 0

C-planes	γ	0°	15°	30°	45°	60°	75°	90°
			165°	150°	135°	120°	105°	
		180°	195°	210°	225°	240°	255°	270°
			345°	330°	315°	300°	285°	
		Luminance in cd/m²						
	45°	22606.8	23200.1	23841.2	23445.7	21740.7	20442.6	20709.1
	50°	19631.9	20313.7	21711.5	22689.5	21496.2	19586.0	19634.6
	55°	16508.9	17115.3	18652.6	20610.1	20613.8	18514.1	18358.6
	60°	13562.8	14040.6	15335.5	17555.8	18743.8	17073.3	16840.4
	65°	10991.4	11343.2	12292.0	14261.4	16143.6	15247.8	15182.8
	70°	8803.9	9102.6	9801.6	11380.0	13331.5	13187.3	13489.0
	75°	7095.7	7322.0	7950.2	9222.5	10764.1	10954.2	11707.9
	80°	6346.7	6445.1	6823.9	7598.6	8505.6	8604.8	9728.5
	85°	6324.7	6370.1	6499.5	6653.0	6717.3	6389.4	7735.6

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Family Modario® 31	Order number: 53BM812MV485C2 EAN: 4069025186058	LP number 59594_92
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family
Modario® 31

Order number: 53BM812MV485C2
EAN: 4069025186058

LP number
59594_92

Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	8950	48.2
2	A	C	F	8060	43.0
3	A	D	E	7530	40.1
4	A	D	F	7070	37.5
5	B	C	E	6530	34.5
6	B	C	F	6060	32.0
7	B	D	E	5510	29.0
8	B	D	F	5040	26.5