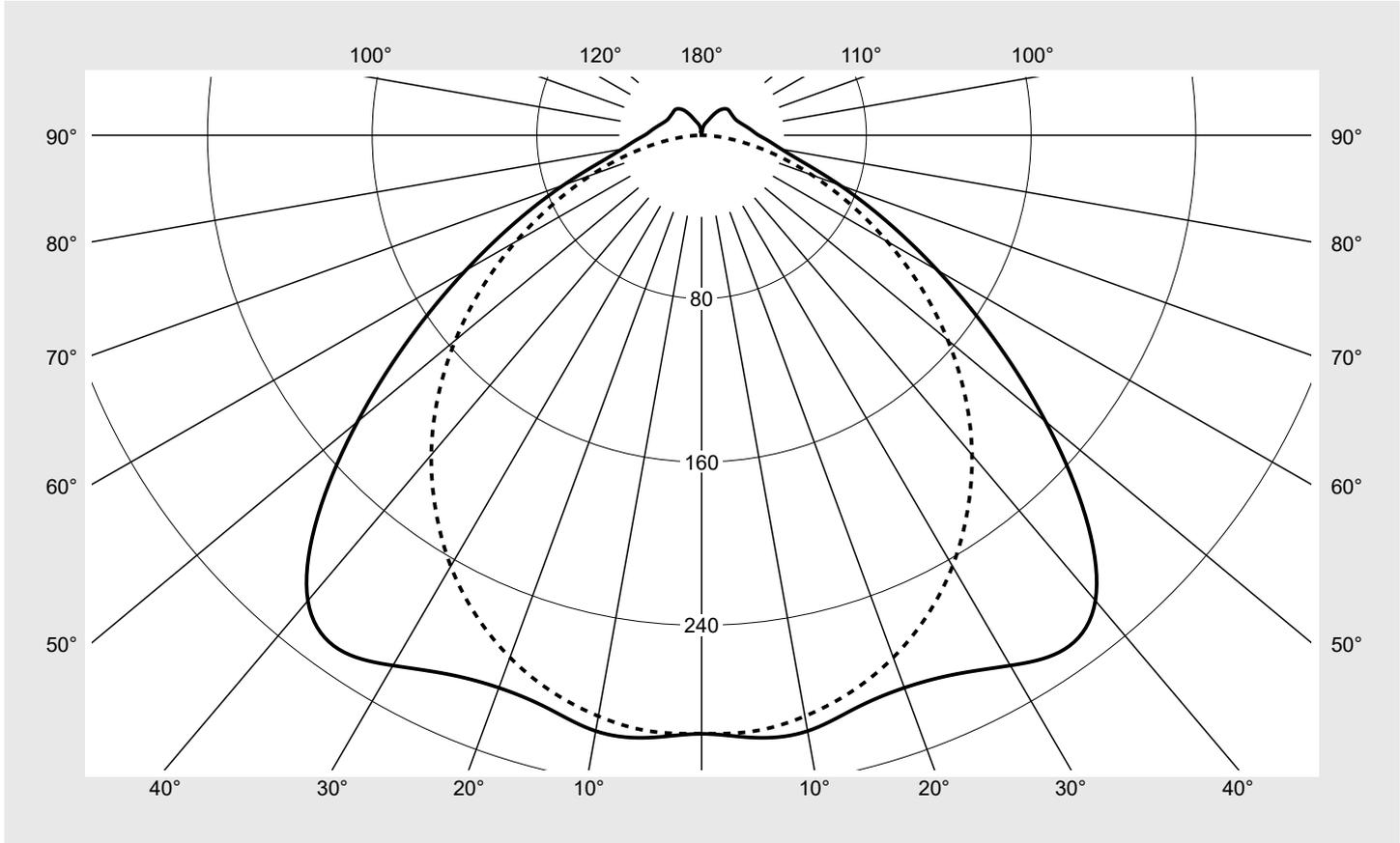


Photometric test report

Family Modario® 31 	Order number: 53BM812CV6A5D2 EAN: 4069025186034	LP number 59594_97
	Version diffuser optic, frosted, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 10550 lm Power consumption = 56.5 W Luminous efficacy = 186.7 lm/W	serial documentation 16.07.2024

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 Modario® 31	Order number: 53BM812CV6A5D2 EAN: 4069025186034	LP number 59594_97
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: 53BM812CV6A5D2 EAN: 4069025186034	LP number 59594_97
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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	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	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°		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	

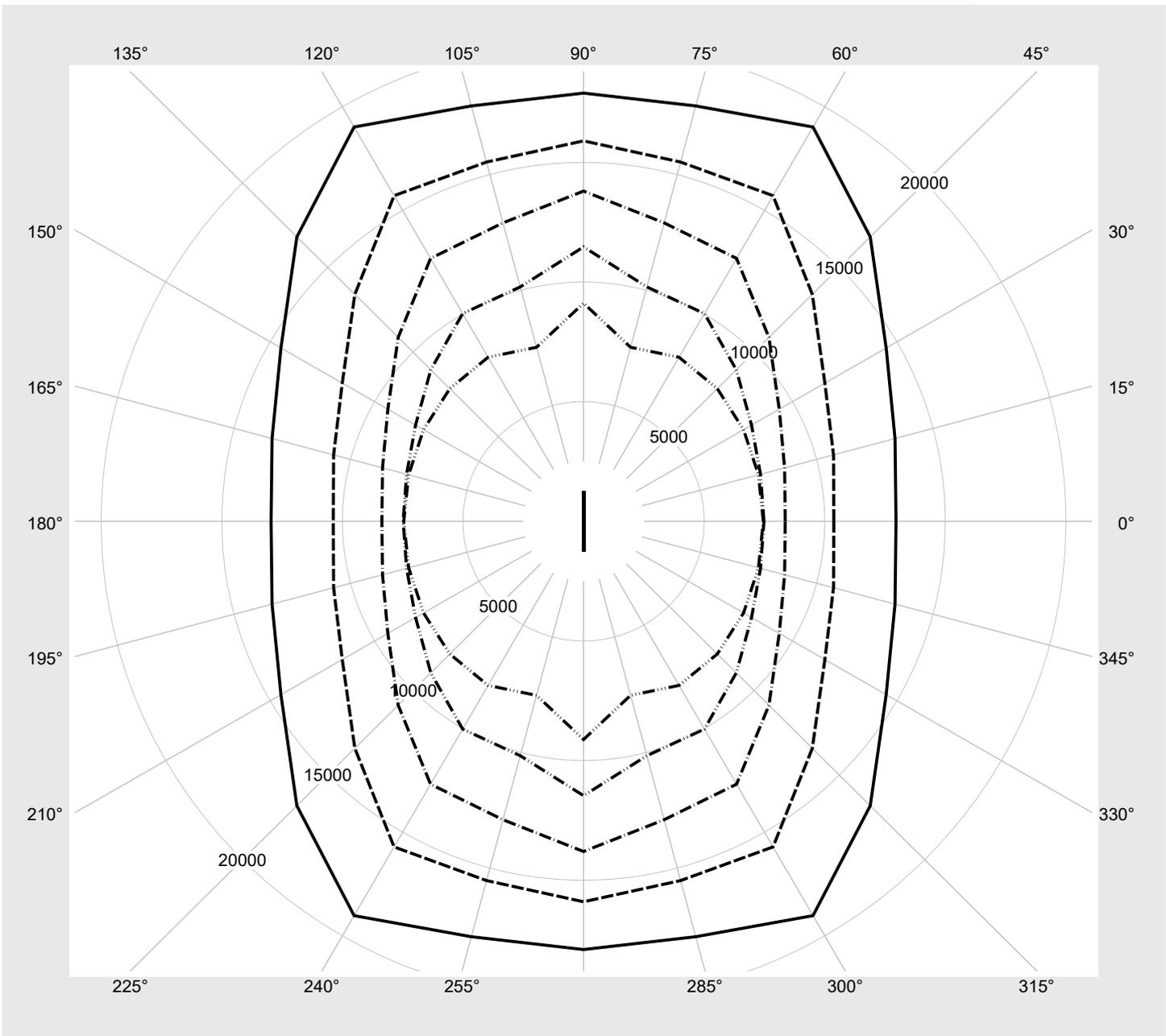
Photometric test report

Family
Modario® 31

Order number: 53BM812CV6A5D2
EAN: 4069025186034

LP number
59594_97

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



Photometric test report

Family Modario® 31	Order number: 53BM812CV6A5D2 EAN: 4069025186034	LP number 59594_97
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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]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	10550	56.5	67.6	62.0
2	A	C	F	10090	53.9	64.2	59.0
3	A	D	E	9100	48.4	57.7	53.0
4	A	D	F	8010	42.4	50.5	46.4
5	B	C	E	7000	37.1	43.8	40.4
6	B	C	F	5970	31.7	37.1	34.4
7	B	D	E	5020	26.7	31.3	29.0
8	B	D	F	4050	21.8	25.5	23.6