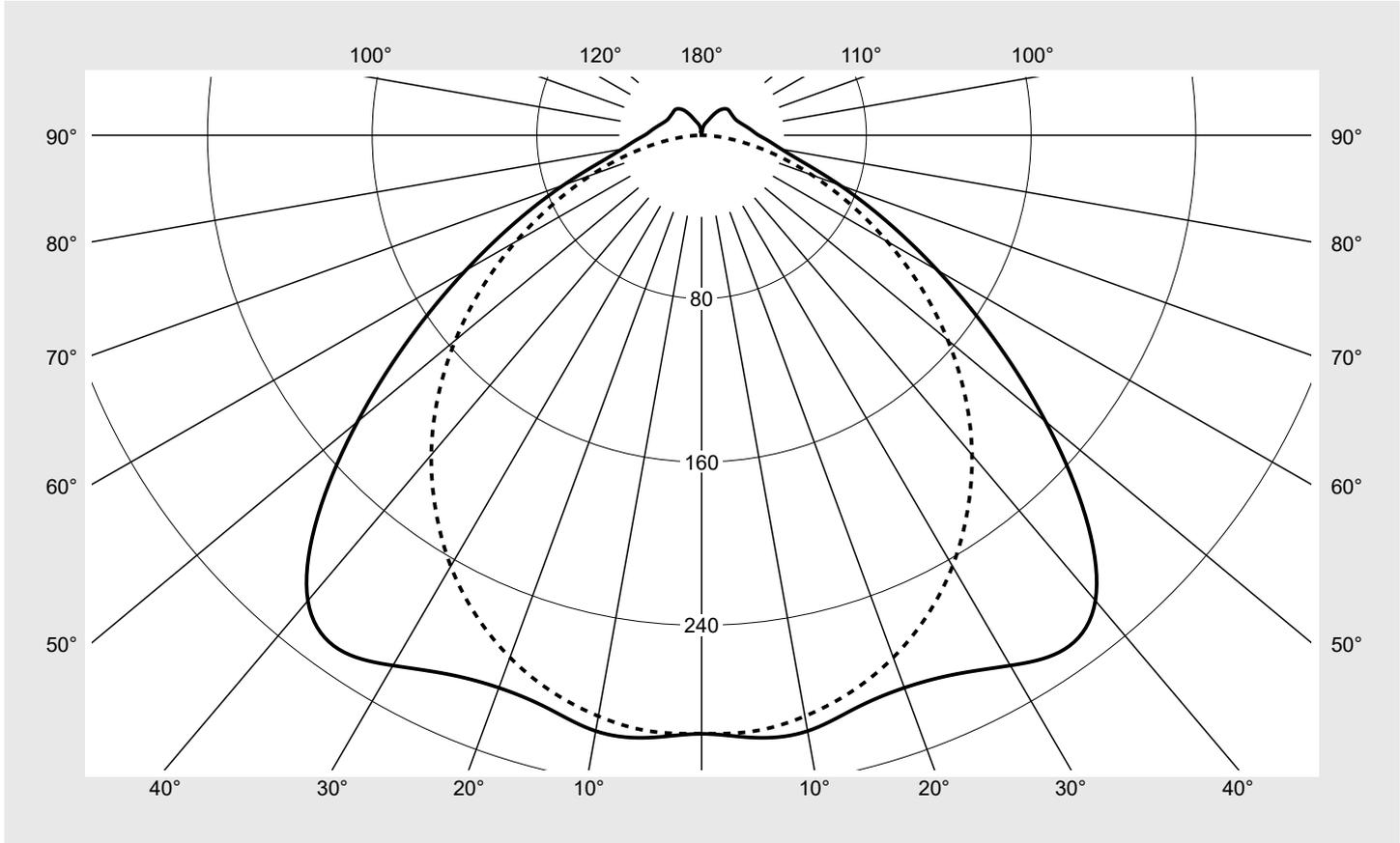


Photometric test report

Family Modario® 31 	Order number: 53BM812CV475C2 EAN: 4069025185976	LP number 59594_94
	Version diffuser optic, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 7600 lm Power consumption = 40.5 W Luminous efficacy = 187.7 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: 53BM812CV475C2 EAN: 4069025185976	LP number 59594_94
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: 53BM812CV475C2 EAN: 4069025185976	LP number 59594_94
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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	21.9	23.6	22.3	23.9	24.3	21.7	23.4	22.1	23.7	24.1
	3H	22.8	24.3	23.2	24.7	25.0	22.8	24.4	23.2	24.7	25.1
	4H	23.1	24.5	23.5	24.9	25.3	23.2	24.7	23.6	25.0	25.4
	6H	23.4	24.7	23.8	25.1	25.5	23.5	24.8	23.9	25.2	25.6
	8H	23.6	24.8	24.0	25.2	25.6	23.6	24.9	24.0	25.2	25.6
	12H	23.7	24.9	24.2	25.3	25.7	23.6	24.8	24.1	25.2	25.6
4H	2H	22.6	24.0	23.0	24.4	24.8	22.5	23.9	22.9	24.3	24.6
	3H	23.6	24.8	24.0	25.2	25.6	23.8	25.0	24.2	25.4	25.8
	4H	24.0	25.1	24.4	25.5	25.9	24.3	25.4	24.7	25.8	26.2
	6H	24.4	25.3	24.8	25.8	26.2	24.7	25.6	25.1	26.1	26.5
	8H	24.6	25.5	25.1	25.9	26.4	24.8	25.7	25.2	26.1	26.6
	12H	24.8	25.6	25.3	26.1	26.6	24.9	25.7	25.3	26.1	26.6
8H	4H	24.3	25.1	24.7	25.6	26.1	24.5	25.4	25.0	25.9	26.3
	6H	24.8	25.5	25.2	26.0	26.5	25.0	25.8	25.5	26.2	26.7
	8H	25.0	25.7	25.5	26.2	26.7	25.2	25.9	25.7	26.3	26.9
	12H	25.4	25.9	25.9	26.4	27.0	25.3	25.9	25.8	26.4	26.9
12H	4H	24.3	25.1	24.8	25.6	26.0	24.6	25.4	25.1	25.8	26.3
	6H	24.8	25.5	25.3	26.0	26.5	25.1	25.7	25.6	26.2	26.7
	8H	25.2	25.7	25.7	26.2	26.8	25.3	25.9	25.8	26.4	26.9

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°	19196.8	19700.6	20245.0	19909.2	18461.4	17359.1	17585.4	
	50°	16670.7	17249.6	18436.5	19267.1	18253.8	16631.7	16673.0	
	55°	14018.7	14533.7	15839.0	17501.3	17504.5	15721.5	15589.4	
	60°	11517.0	11922.7	13022.3	14907.7	15916.5	14498.0	14300.2	
	65°	9333.4	9632.2	10437.9	12110.2	13708.6	12947.8	12892.6	
	70°	7475.9	7729.5	8323.2	9663.5	11320.6	11198.1	11454.3	
	75°	6025.4	6217.5	6751.0	7831.4	9140.4	9301.9	9941.9	
	80°	5389.4	5472.9	5794.6	6452.4	7222.7	7306.9	8261.1	
	85°	5370.7	5409.3	5519.1	5649.5	5704.1	5425.7	6568.8	

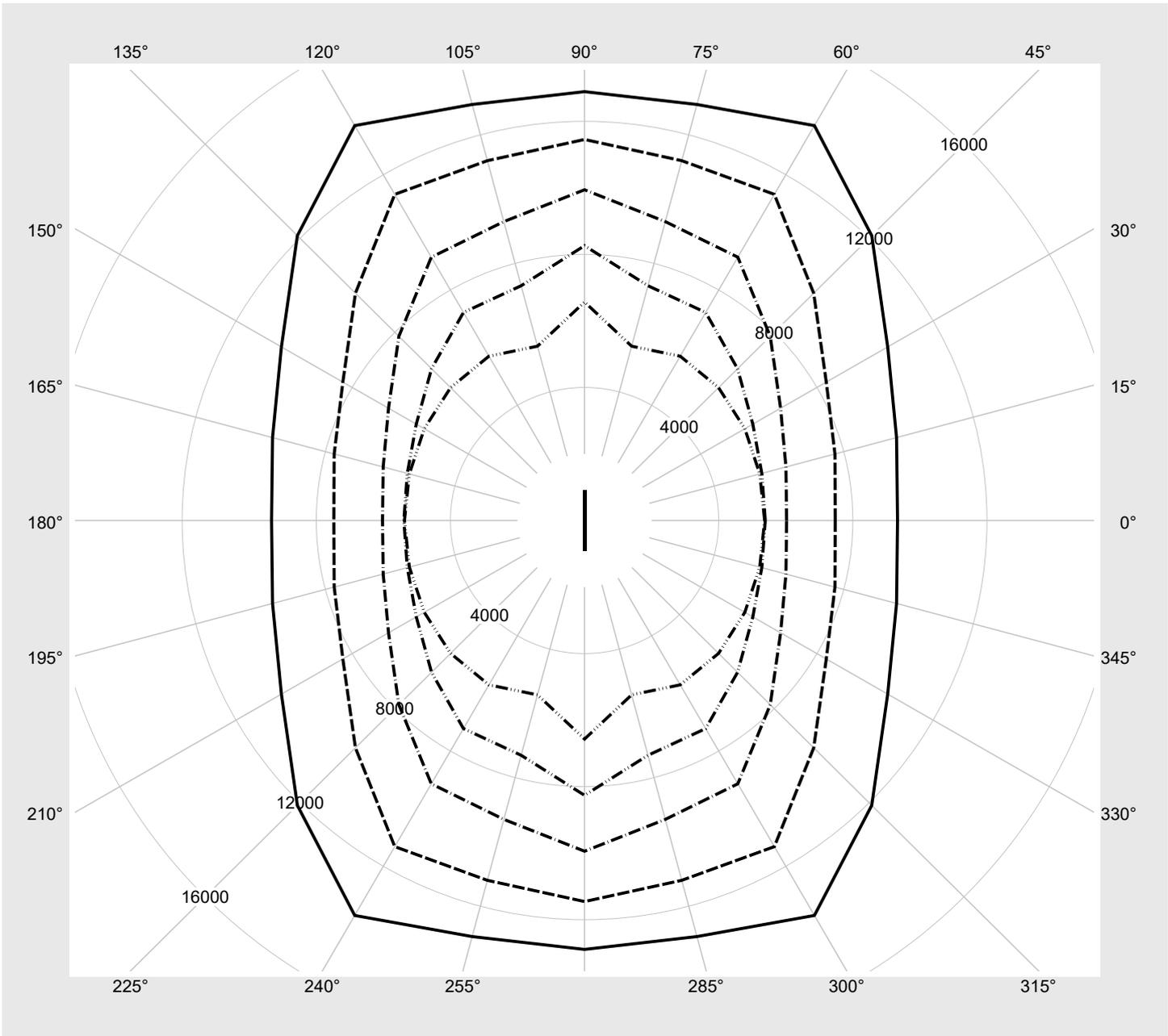
Photometric test report

Family Modario® 31	Order number: 53BM812CV475C2 EAN: 4069025185976	LP number 59594_94
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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]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	7600	40.5	48.2	44.4
2	A	C	F	7070	37.5	44.7	41.1
3	A	D	E	6530	34.5	40.9	37.7
4	A	D	F	6060	32.0	37.9	35.0
5	B	C	E	5510	29.0	34.5	31.8
6	B	C	F	5040	26.5	31.1	28.8
7	B	D	E	4550	24.0	28.2	26.1
8	B	D	F	4150	22.0	25.7	23.8