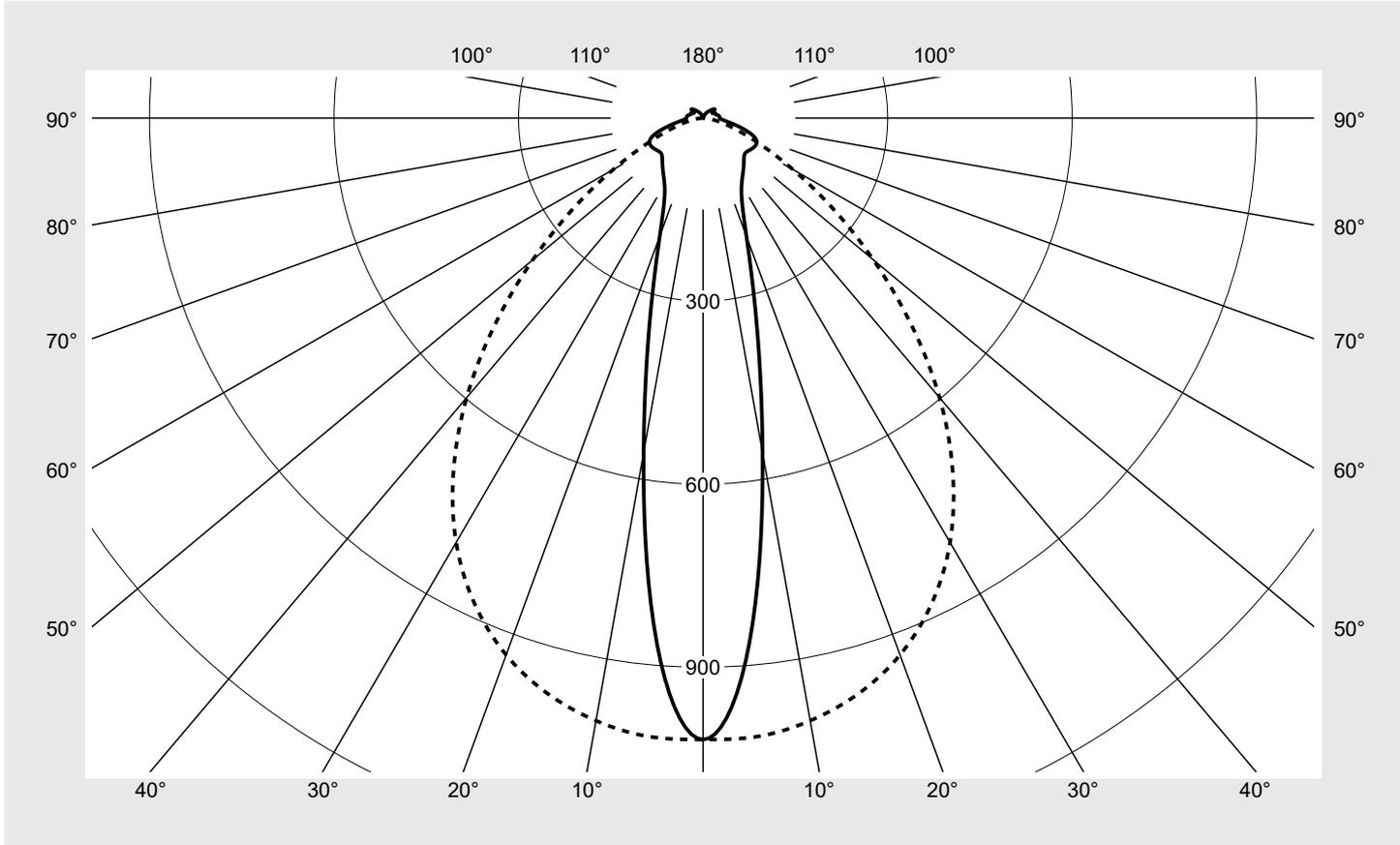


Photometric test report

Family Modario® 31	Order number: 53BM813MV4A5C2 EAN: 4069025478719	LP number 59591_60
	Version diffuser optic, frosted, extremely narrow distribution	serial documentation 23.06.2025
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
	Rated values Net luminous flux = 10710 lm Power consumption = 60.5 W Luminous efficacy = 177 lm/W	
		

Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 1018 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=62 N2=83 N3=95 N4=93 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	92.8%
ϕ_o	7.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Modario® 31	Order number: 53BM813MV4A5C2 EAN: 4069025478719	LP number 59591_60
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	1018.4	6.1	6.1
5°	863.5	865.5	885.2	926.9	972.5	1004.2	1017.2	44.5	50.6
10°	557.0	571.1	621.3	716.9	841.6	954.3	1002.7	71.2	121.8
15°	330.4	345.0	393.6	498.9	672.6	875.0	976.4	81.3	203.1
20°	206.3	216.3	249.8	333.3	506.8	775.2	936.2	82.9	286.0
25°	149.5	154.3	171.2	225.2	368.7	662.8	878.7	80.9	366.9
30°	125.5	127.4	133.4	162.0	266.2	549.9	803.0	77.8	444.7
35°	112.6	113.0	113.6	126.4	194.4	443.6	707.7	73.4	518.1
40°	102.7	102.5	100.9	105.0	146.7	352.3	598.2	68.0	586.1
45°	93.9	93.4	90.8	90.4	114.5	275.3	478.6	61.4	647.5
50°	89.5	88.3	84.1	80.2	92.6	211.5	361.2	54.7	702.3
55°	91.9	90.0	83.1	75.6	78.1	158.7	256.1	49.4	751.6
60°	95.5	93.6	85.8	74.7	67.8	115.2	168.7	45.0	796.7
65°	96.1	94.0	85.1	70.0	57.9	81.0	104.2	40.4	837.1
70°	87.7	84.6	73.6	58.2	46.6	54.7	61.7	33.7	870.8
75°	66.6	64.7	55.8	44.2	34.3	34.3	34.9	25.1	895.8
80°	45.0	43.9	38.9	31.0	22.7	19.3	17.8	16.8	912.7
85°	31.6	30.7	28.4	21.9	13.8	9.4	6.9	11.2	923.9
90°	27.2	26.2	22.9	14.6	8.5	3.8	0.6	8.2	932.1
95°	26.6	25.3	20.3	12.9	8.9	4.2	0.7	7.8	939.9
100°	25.2	23.4	18.5	13.8	10.2	5.1	0.7	7.5	947.4
105°	21.7	20.9	18.5	15.3	11.2	5.6	0.7	7.3	954.7
110°	21.5	20.8	18.3	14.7	13.6	5.3	0.7	7.2	961.9
115°	18.6	17.5	16.2	18.7	13.7	4.5	0.8	6.6	968.5
120°	17.4	17.9	21.4	21.9	11.5	3.8	0.8	6.8	975.3
125°	23.0	23.5	23.9	18.0	9.5	3.5	0.9	6.8	982.1
130°	22.8	21.9	19.4	14.0	7.3	3.3	1.1	5.5	987.5
135°	18.6	17.4	15.0	10.9	5.5	3.1	1.2	4.0	991.5
140°	14.9	13.8	11.8	8.1	4.5	2.9	1.3	2.9	994.4
145°	11.8	10.9	8.9	6.0	4.0	2.6	1.4	2.0	996.4
150°	8.7	8.0	6.5	4.8	3.6	2.2	1.4	1.4	997.8
155°	6.2	5.8	5.2	4.1	3.2	1.8	1.4	0.9	998.7
160°	5.1	4.8	4.0	3.4	2.7	1.6	1.4	0.6	999.3
165°	4.0	3.9	3.1	2.8	2.0	1.5	1.4	0.4	999.7
170°	3.1	2.7	2.2	1.9	1.6	1.5	1.4	0.2	999.9
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.1	1000.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1000.0

Photometric test report

Family Modario® 31	Order number: 53BM813MV4A5C2 EAN: 4069025478719	LP number 59591_60
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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	19.0	20.5	19.4	20.8	21.1	24.0	25.5	24.3	25.8	26.1
	3H	21.8	23.2	22.2	23.5	23.8	24.8	26.1	25.2	26.5	26.8
	4H	22.8	24.1	23.2	24.4	24.8	25.0	26.3	25.4	26.6	27.0
	6H	23.4	24.7	23.8	25.0	25.4	25.2	26.3	25.6	26.7	27.1
	8H	23.7	24.9	24.2	25.2	25.6	25.2	26.3	25.7	26.7	27.1
	12H	23.9	25.0	24.3	25.4	25.8	25.3	26.2	25.7	26.6	27.0
4H	2H	19.9	21.1	20.3	21.5	21.8	24.0	25.3	24.4	25.6	26.0
	3H	22.7	23.8	23.2	24.2	24.6	24.9	26.0	25.3	26.4	26.8
	4H	23.8	24.8	24.3	25.2	25.7	25.2	26.2	25.6	26.6	27.0
	6H	24.6	25.5	25.1	25.9	26.4	25.4	26.3	25.9	26.7	27.1
	8H	24.9	25.7	25.4	26.2	26.7	25.5	26.3	26.0	26.7	27.2
	12H	25.2	25.9	25.7	26.4	26.9	25.5	26.2	26.0	26.7	27.2
8H	4H	24.1	24.9	24.6	25.3	25.8	25.3	26.1	25.8	26.6	27.0
	6H	25.1	25.7	25.6	26.2	26.7	25.6	26.3	26.1	26.7	27.2
	8H	25.4	26.0	25.9	26.5	27.0	25.7	26.3	26.2	26.8	27.3
	12H	25.8	26.3	26.3	26.8	27.4	25.8	26.3	26.3	26.8	27.3
12H	4H	24.1	24.8	24.6	25.2	25.7	25.3	26.0	25.8	26.5	27.0
	6H	25.1	25.6	25.6	26.1	26.7	25.6	26.2	26.1	26.7	27.2
	8H	25.5	26.0	26.0	26.5	27.1	25.7	26.3	26.3	26.8	27.3

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°		9637.6	9668.7	9643.9	10008.8	13430.9	34678.9	65484.4	
50°		9637.9	9605.5	9421.4	9421.9	11633.9	28869.5	54357.8	
55°		10504.2	10395.5	9923.4	9542.0	10637.9	23839.1	43192.1	
60°		11717.8	11629.1	11069.3	10266.7	10178.9	19398.8	32651.5	
65°		12828.6	12726.7	12032.3	10649.0	9756.6	15656.4	23862.2	
70°		12951.3	12691.1	11613.2	9984.4	9045.5	12512.8	17460.3	
75°		11098.5	10980.9	10048.8	8785.5	7904.0	9695.4	13051.0	
80°		8670.2	8645.0	8223.4	7399.2	6504.9	7229.2	9890.5	
85°		7299.8	7280.1	7330.5	6577.3	5270.9	5244.8	7661.6	

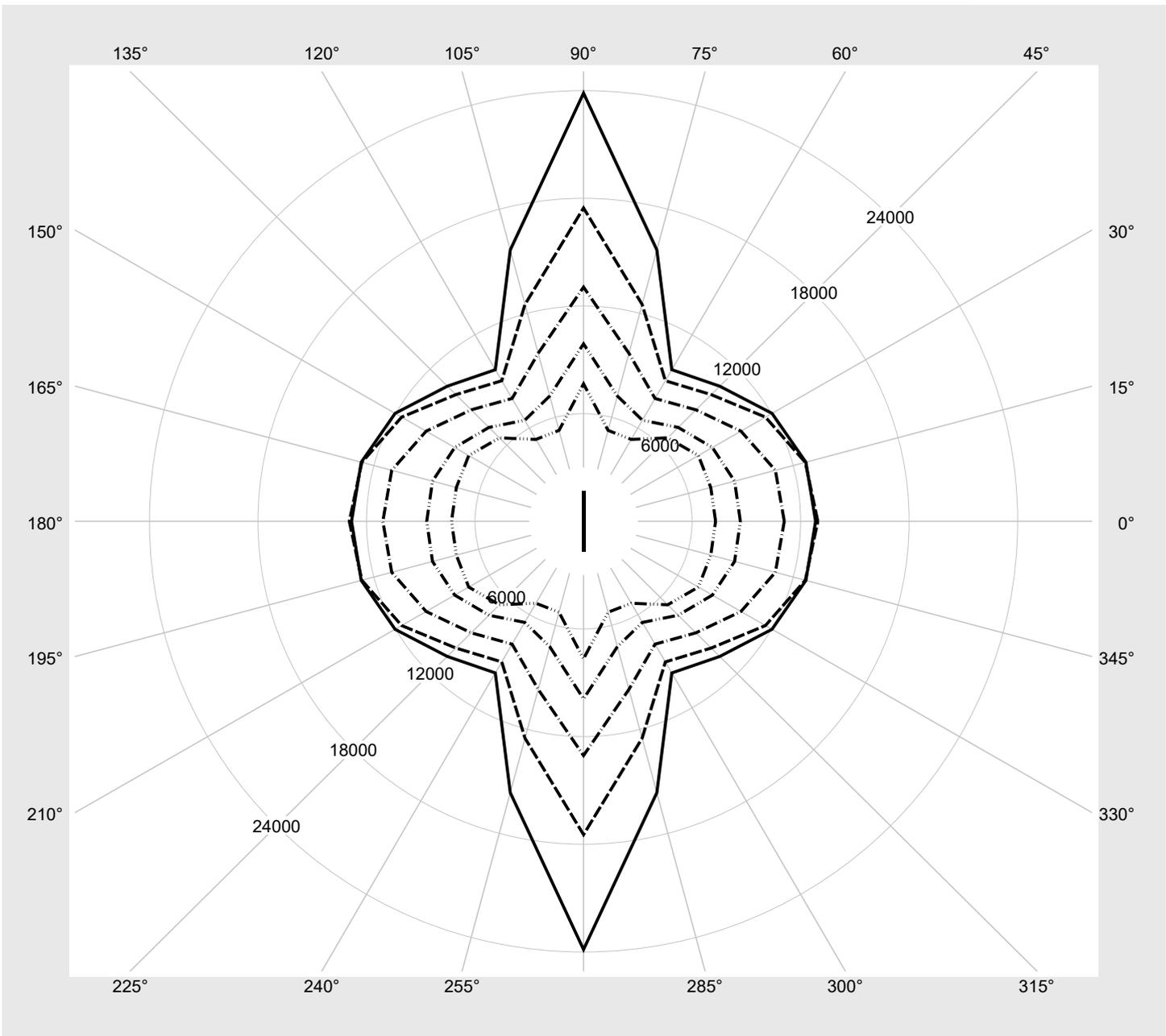
Photometric test report

Family Modario® 31	Order number: 53BM813MV4A5C2 EAN: 4069025478719	LP number 59591_60
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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: 53BM813MV4A5C2 EAN: 4069025478719	LP number 59591_60
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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	10710	60.5
2	A	C	F	10160	56.9
3	A	D	E	9600	53.4
4	A	D	F	9100	50.4
5	B	C	E	8600	47.4
6	B	C	F	8090	44.3
7	B	D	E	7580	41.3
8	B	D	F	7130	38.8