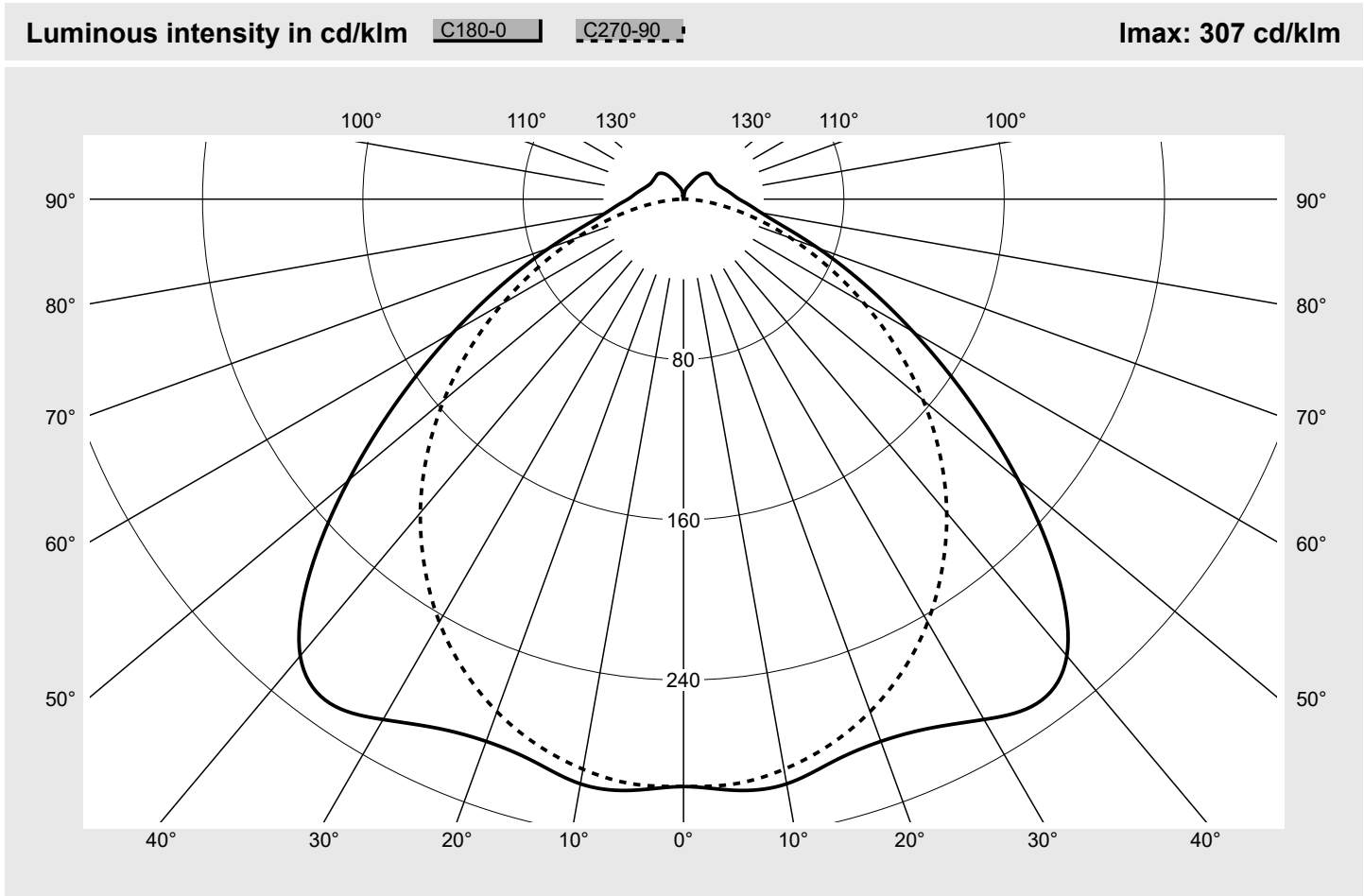


Photometric test report

Family Modario® 31	Order number: 53BM812MV4G5D2 EAN: 4069025121769	LP number 59594_16
	Version	diffuser optic, frosted, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG Multilumen
	Rated values	Net luminous flux = 16690 lm Power consumption = 89.8 W Luminous efficacy = 185.9 lm/W
		serial documentation 02.05.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=47 N2=80 N3=95	ϕ_u	92.6%
	N4=93 N5=100	ϕ_o	7.4%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Modario® 31	Order number: 53BM812MV4G5D2 EAN: 4069025121769	LP number 59594_16
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	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
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
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

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Family Modario® 31	Order number: 53BM812MV4G5D2 EAN: 4069025121769	LP number 59594_16
UGR-Table	Standard room	siteco

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	24.7	26.4	25.0	26.7	27.0	24.5	26.2	24.8	26.5	26.8
	3H	25.5	27.1	25.9	27.4	27.7	25.6	27.1	26.0	27.5	27.8
	4H	25.8	27.3	26.2	27.6	28.0	26.0	27.4	26.4	27.8	28.1
	6H	26.1	27.5	26.5	27.8	28.2	26.2	27.6	26.6	27.9	28.3
	8H	26.3	27.5	26.7	27.9	28.3	26.3	27.6	26.7	28.0	28.4
	12H	26.5	27.6	26.9	28.0	28.4	26.4	27.6	26.8	28.0	28.4
4H	2H	25.3	26.8	25.7	27.1	27.5	25.2	26.6	25.6	27.0	27.4
	3H	26.3	27.5	26.7	27.9	28.3	26.5	27.8	27.0	28.1	28.5
	4H	26.7	27.8	27.2	28.2	28.7	27.0	28.1	27.5	28.6	29.0
	6H	27.1	28.1	27.6	28.5	29.0	27.4	28.4	27.8	28.8	29.2
	8H	27.3	28.2	27.8	28.6	29.1	27.5	28.4	28.0	28.8	29.3
	12H	27.6	28.3	28.0	28.8	29.3	27.6	28.4	28.1	28.8	29.3
8H	4H	27.0	27.9	27.5	28.3	28.8	27.3	28.2	27.7	28.6	29.1
	6H	27.5	28.2	28.0	28.7	29.2	27.8	28.5	28.3	29.0	29.5
	8H	27.8	28.4	28.3	28.9	29.4	27.9	28.6	28.4	29.1	29.6
	12H	28.1	28.7	28.6	29.2	29.7	28.1	28.6	28.6	29.1	29.7
12H	4H	27.0	27.8	27.5	28.3	28.8	27.3	28.1	27.8	28.6	29.1
	6H	27.6	28.2	28.1	28.7	29.2	27.8	28.5	28.3	29.0	29.5
	8H	27.9	28.5	28.4	29.0	29.5	28.1	28.6	28.6	29.1	29.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1476 B = 75		H(C0) = 25 H(C90) = 0		H(C180) = 25 H(C270) = 0	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°		60° 120° 240° 300°		75° 105° 255° 285°		90° 270°	
γ	Luminance in cd/m²										
45°	42157.2	43263.6	44459.1	43721.6		40542.2		38121.5		38618.5	
50°	36609.7	37881.0	40487.6	42311.5		40086.3		36524.1		36614.7	
55°	30785.9	31916.8	34783.4	38433.7		38440.7		34525.2		34235.1	
60°	25292.0	26182.9	28597.6	32738.0		34953.5		31838.3		31404.0	
65°	20496.7	21152.9	22922.1	26594.7		30104.7		28434.1		28312.9	
70°	16417.5	16974.5	18278.2	21221.4		24860.7		24591.7		25154.3	
75°	13232.0	13654.0	14825.6	17198.1		20072.8		20427.4		21832.9	
80°	11835.4	12018.9	12725.2	14169.8		15861.3		16046.3		18141.8	
85°	11794.3	11879.0	12120.3	12406.6		12526.5		11915.1		14425.4	

Photometric test report

Family
Modario® 31

Order number: 53BM812MV4G5D2
EAN: 4069025121769

LP number
59594_16

Luminance values in cd/m²

γ 65°

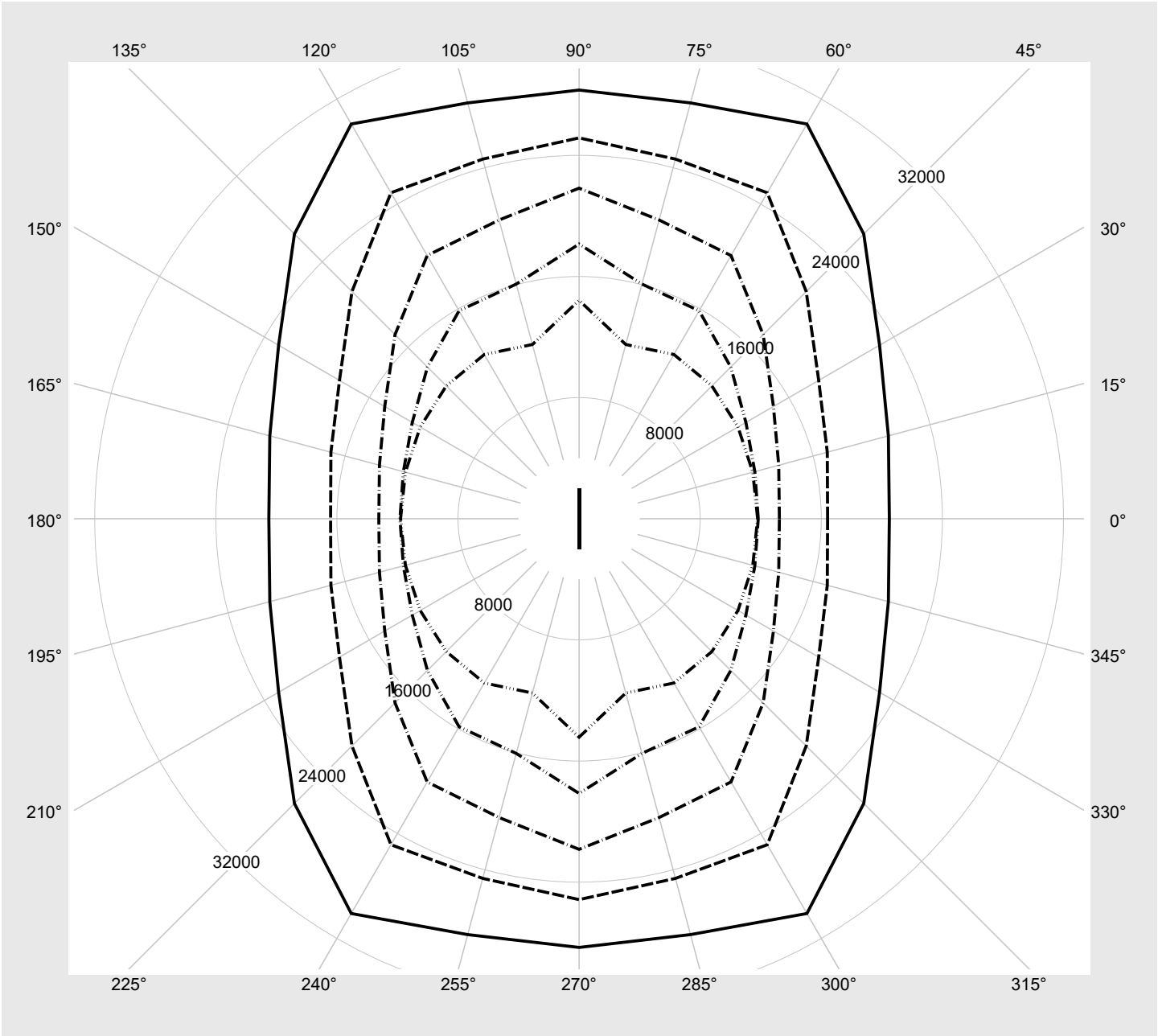
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Modario® 31	Order number: 53BM812MV4G5D2 EAN: 4069025121769	LP number 59594_16
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	16690	89.8
2	A	C	F	15810	84.6
3	A	D	E	15070	80.3
4	A	D	F	14250	75.4
5	B	C	E	13490	71.1
6	B	C	F	12730	66.8
7	B	D	E	11970	62.5
8	B	D	F	11190	58.1