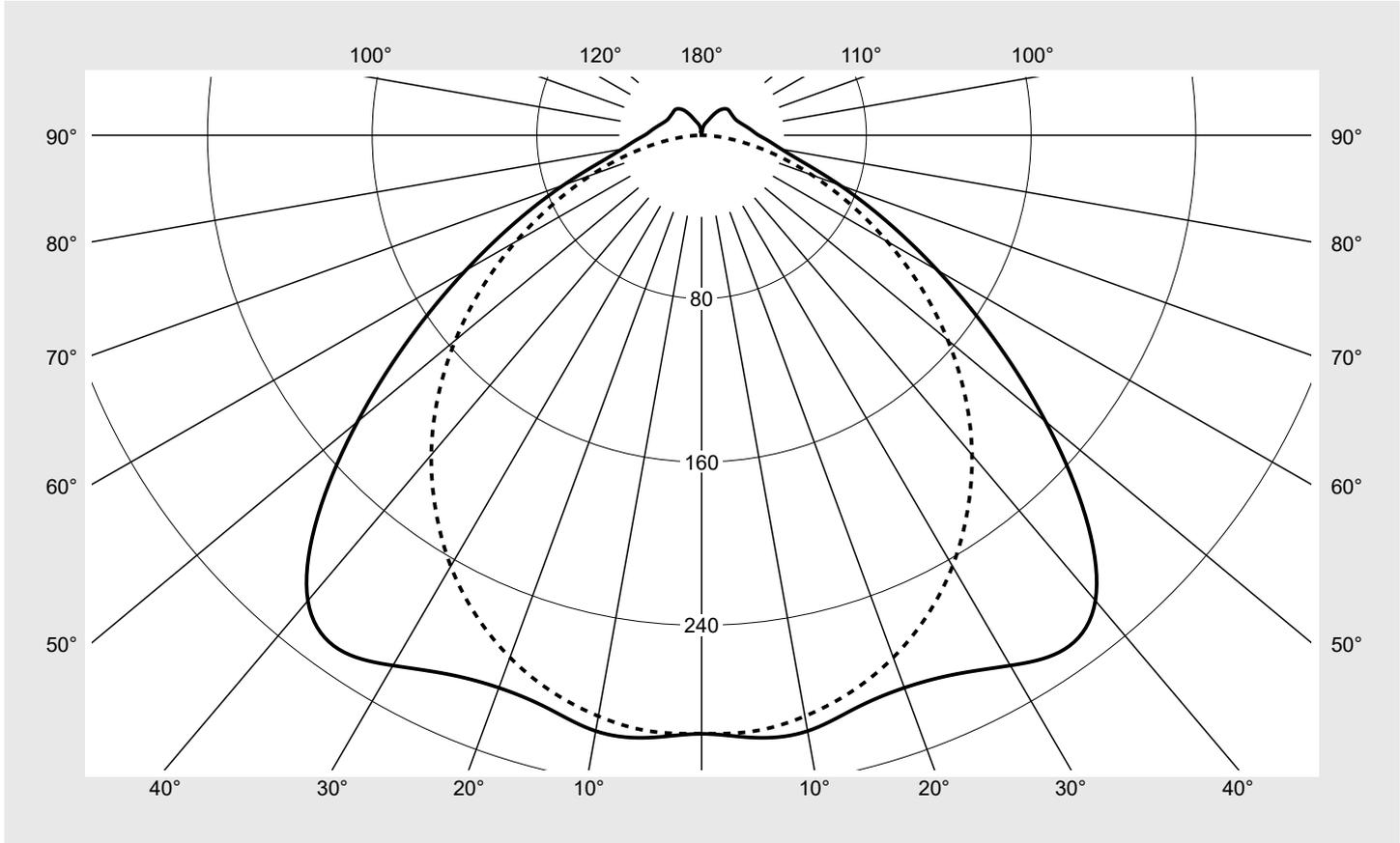


Photometric test report

Family Modario® 31 	Order number: 53BM812MV6F5D2 EAN: 4069025493354	LP number 59594_194
	Version diffuser optic, frosted, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 15820 lm Power consumption = 89.8 W Luminous efficacy = 176.2 lm/W	serial documentation 24.07.2025

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: 53BM812MV6F5D2 EAN: 4069025493354	LP number 59594_194
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: 53BM812MV6F5D2 EAN: 4069025493354	LP number 59594_194
-------------------------------------	--	--------------------------------------

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	24.5	26.2	24.9	26.5	26.8	24.3	26.0	24.6	26.3	26.6
	3H	25.3	26.9	25.7	27.2	27.6	25.4	26.9	25.8	27.3	27.6
	4H	25.7	27.1	26.1	27.4	27.8	25.8	27.2	26.2	27.6	28.0
	6H	26.0	27.3	26.4	27.6	28.0	26.0	27.4	26.5	27.8	28.1
	8H	26.1	27.4	26.5	27.7	28.1	26.1	27.4	26.6	27.8	28.2
	12H	26.3	27.4	26.7	27.8	28.3	26.2	27.4	26.6	27.8	28.2
4H	2H	25.1	26.6	25.5	26.9	27.3	25.0	26.4	25.4	26.8	27.2
	3H	26.1	27.4	26.5	27.7	28.1	26.3	27.6	26.8	28.0	28.4
	4H	26.5	27.6	27.0	28.0	28.5	26.9	28.0	27.3	28.4	28.8
	6H	26.9	27.9	27.4	28.3	28.8	27.2	28.2	27.7	28.6	29.1
	8H	27.1	28.0	27.6	28.5	28.9	27.3	28.2	27.8	28.7	29.1
	12H	27.4	28.2	27.9	28.6	29.1	27.4	28.2	27.9	28.7	29.1
8H	4H	26.8	27.7	27.3	28.1	28.6	27.1	28.0	27.6	28.4	28.9
	6H	27.3	28.1	27.8	28.5	29.0	27.6	28.3	28.1	28.8	29.3
	8H	27.6	28.3	28.1	28.7	29.3	27.8	28.4	28.2	28.9	29.4
	12H	27.9	28.5	28.4	29.0	29.5	27.9	28.5	28.4	28.9	29.5
12H	4H	26.8	27.6	27.3	28.1	28.6	27.1	27.9	27.6	28.4	28.9
	6H	27.4	28.0	27.9	28.5	29.0	27.7	28.3	28.2	28.8	29.3
	8H	27.7	28.3	28.2	28.8	29.3	27.9	28.4	28.4	28.9	29.5

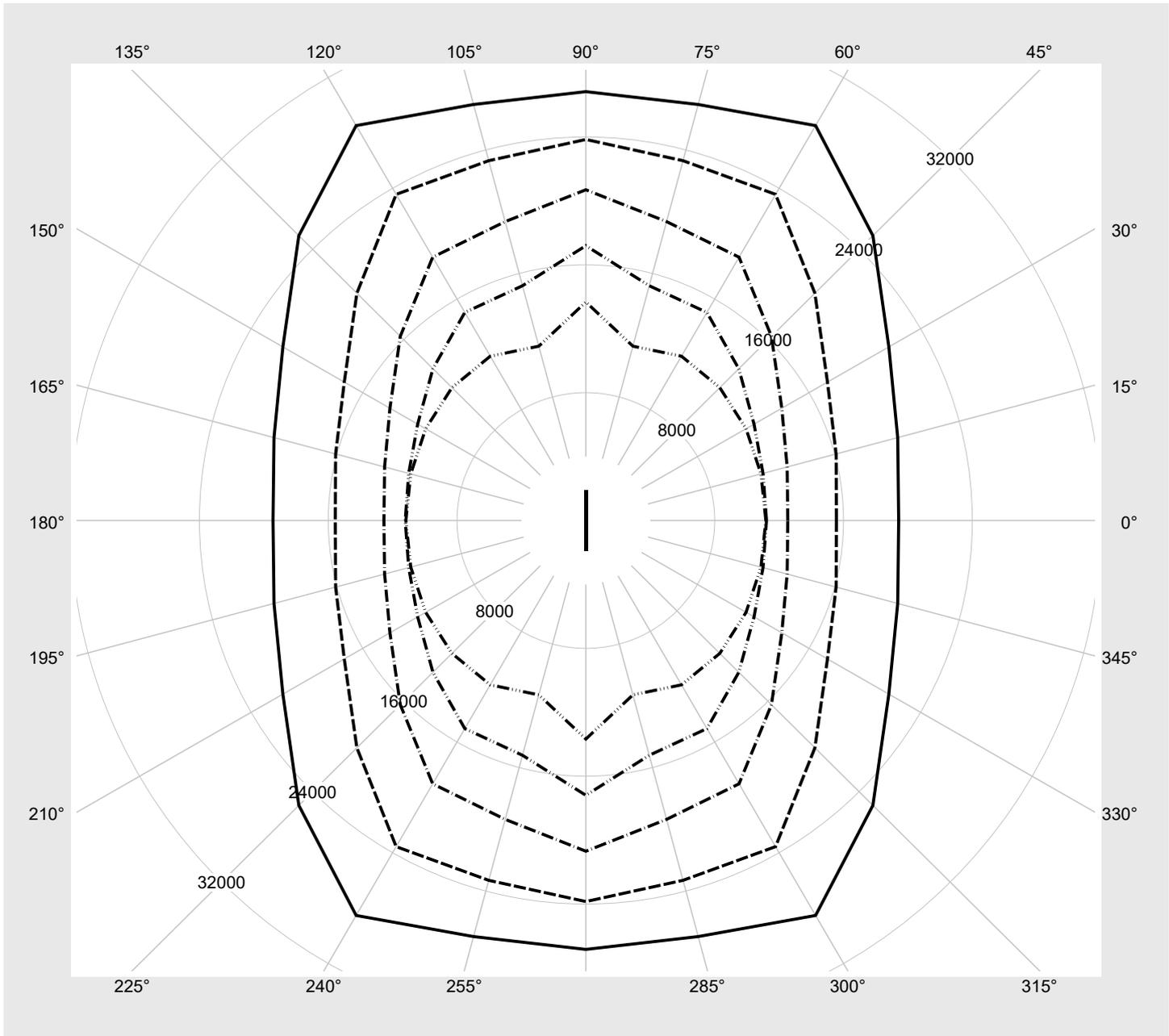
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1476	H(C0) = 25	H(C180) = 25
			B = 75	H(C90) = 0	H(C270) = 0

C-planes	γ	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°		39959.7	41008.4	42141.6	41442.5	38428.8	36134.3	36605.4	
50°		34701.4	35906.4	38377.1	40105.9	37996.7	34620.2	34706.1	
55°		29181.1	30253.0	32970.2	36430.3	36436.9	32725.5	32450.5	
60°		23973.6	24818.1	27106.9	31031.5	33131.5	30178.7	29767.0	
65°		19428.3	20050.3	21727.2	25208.4	28535.4	26951.9	26837.0	
70°		15561.7	16089.6	17325.4	20115.2	23564.8	23309.8	23843.0	
75°		12542.3	12942.3	14052.8	16301.6	19026.5	19362.6	20694.8	
80°		11218.5	11392.4	12061.8	13431.2	15034.5	15209.8	17196.1	
85°		11179.5	11259.8	11488.5	11759.9	11873.5	11294.0	13673.4	

Photometric test report

Family Modario® 31	Order number: 53BM812MV6F5D2 EAN: 4069025493354	LP number 59594_194
-------------------------------------	--	--------------------------------------

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



Photometric test report

Family Modario® 31	Order number: 53BM812MV6F5D2 EAN: 4069025493354	LP number 59594_194
-------------------------------------	--	--------------------------------------

Multilumen Table	environmental temperature: 25°C	
-------------------------	---------------------------------	---

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15820	89.8
2	A	C	F	14990	84.6
3	A	D	E	14280	80.2
4	A	D	F	13500	75.5
5	B	C	E	12780	71.1
6	B	C	F	12060	66.8
7	B	D	E	11330	62.5
8	B	D	F	10600	58.2