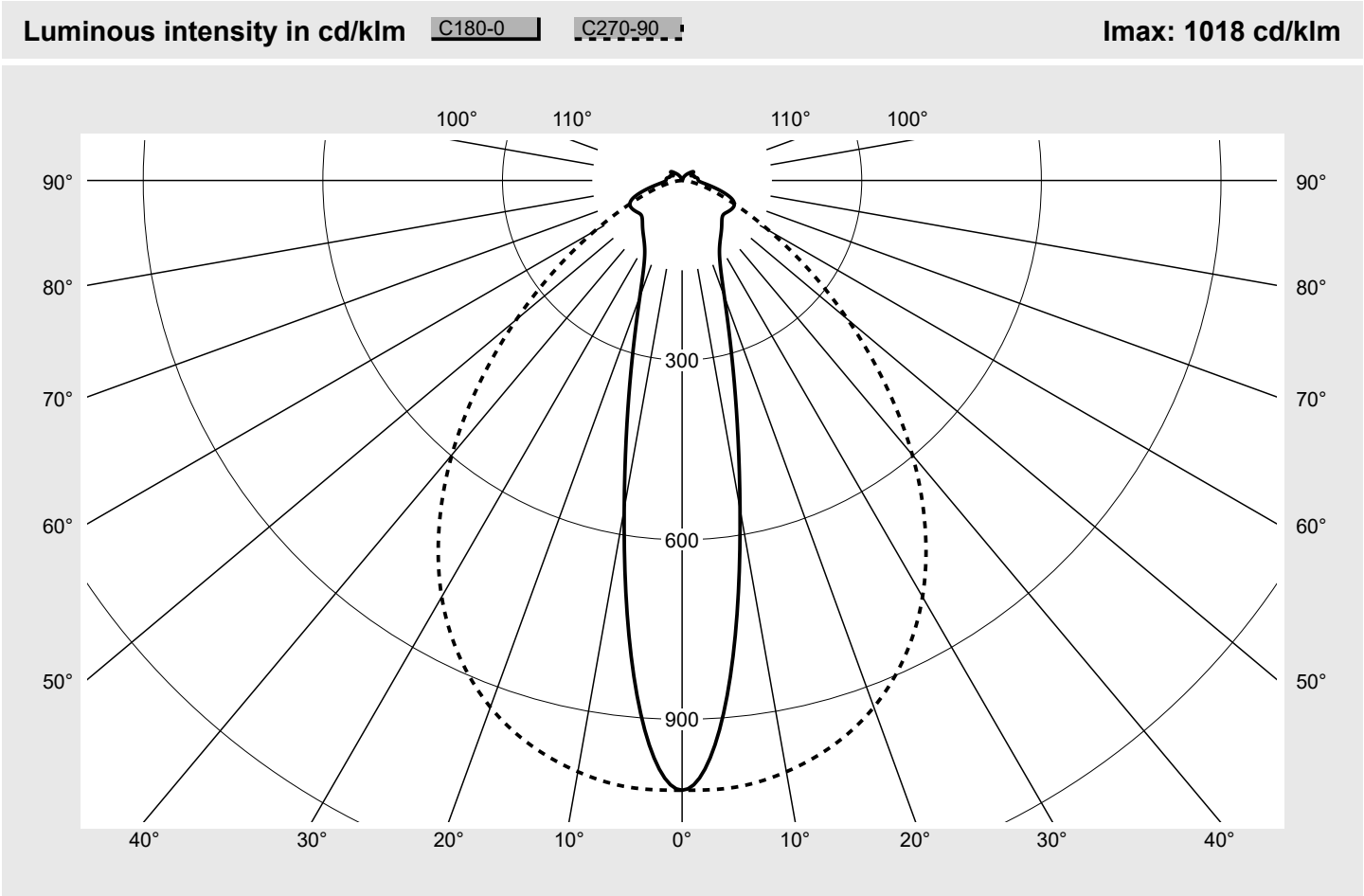


Photometric test report

Family Modario® 31	Order number: 53BM813DU4F5C2 EAN: 4069025134714	LP number 59591_4
	Version	diffuser optic, frosted, extremely narrow distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 15920 lm Power consumption = 92.1 W Luminous efficacy = 172.9 lm/W
		serial documentation 02.05.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 5 1	ηLB	100.0%
CIE	N1=62 N2=83 N3=95	ϕ _u	92.8%
	N4=93 N5=100	ϕ _o	7.2%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Modario® 31	Order number: 53BM813DU4F5C2 EAN: 4069025134714	LP number 59591_4
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°	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: 53BM813DU4F5C2 EAN: 4069025134714							LP number 59591_4		
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	18.7	20.2	19.1	20.5	20.8	23.7	25.2	24.0	25.5	25.8	
	3H	21.5	22.9	21.9	23.2	23.5	24.5	25.8	24.9	26.2	26.5	
	4H	22.5	23.8	22.9	24.1	24.5	24.7	26.0	25.1	26.3	26.7	
	6H	23.1	24.4	23.5	24.7	25.1	24.9	26.0	25.3	26.4	26.8	
	8H	23.4	24.6	23.9	24.9	25.3	24.9	26.0	25.4	26.4	26.8	
	12H	23.6	24.7	24.0	25.1	25.5	25.0	25.9	25.4	26.3	26.7	
4H	2H	19.6	20.8	20.0	21.2	21.5	23.7	25.0	24.1	25.3	25.7	
	3H	22.4	23.5	22.9	23.9	24.3	24.6	25.7	25.0	26.1	26.5	
	4H	23.5	24.5	24.0	24.9	25.4	24.9	25.9	25.3	26.3	26.7	
	6H	24.3	25.2	24.8	25.6	26.1	25.1	26.0	25.6	26.4	26.8	
	8H	24.6	25.4	25.1	25.9	26.4	25.2	26.0	25.7	26.4	26.9	
	12H	24.9	25.6	25.4	26.1	26.6	25.2	25.9	25.7	26.4	26.9	
8H	4H	23.8	24.6	24.3	25.0	25.5	25.0	25.8	25.5	26.3	26.7	
	6H	24.8	25.4	25.3	25.9	26.4	25.3	26.0	25.8	26.4	26.9	
	8H	25.1	25.7	25.6	26.2	26.7	25.4	26.0	25.9	26.5	27.0	
	12H	25.5	26.0	26.0	26.5	27.1	25.5	26.0	26.0	26.5	27.0	
12H	4H	23.8	24.5	24.3	24.9	25.4	25.0	25.7	25.5	26.2	26.7	
	6H	24.8	25.3	25.3	25.8	26.4	25.3	25.9	25.8	26.4	26.9	
	8H	25.2	25.7	25.7	26.2	26.8	25.4	26.0	26.0	26.5	27.0	

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 2392 B = 75	H(C0) = 25 H(C90) = 0	H(C180) = 25 H(C270) = 0
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°
			Luminance in cd/m²					
45°		8839.9	8868.4	8845.7	9180.4	12319.3	31808.5	60064.3
50°		8840.2	8810.4	8641.6	8642.0	10671.0	26480.0	49858.7
55°		9634.8	9535.1	9102.0	8752.2	9757.4	21865.9	39617.1
60°		10748.0	10666.5	10153.1	9416.9	9336.4	17793.1	29948.9
65°		11766.8	11673.3	11036.4	9767.6	8949.1	14360.5	21887.2
70°		11879.3	11640.7	10652.0	9158.0	8296.8	11477.1	16015.1
75°		10179.9	10072.0	9217.0	8058.3	7249.8	8892.9	11970.8
80°		7952.6	7929.5	7542.8	6786.8	5966.5	6630.9	9071.9
85°		6695.6	6677.5	6723.7	6032.9	4834.7	4810.7	7027.5

Photometric test report

Family
Modario® 31

Order number: **53BM813DU4F5C2**
EAN: **4069025134714**

LP number
59591_4

Luminance values in cd/m²

γ 65°

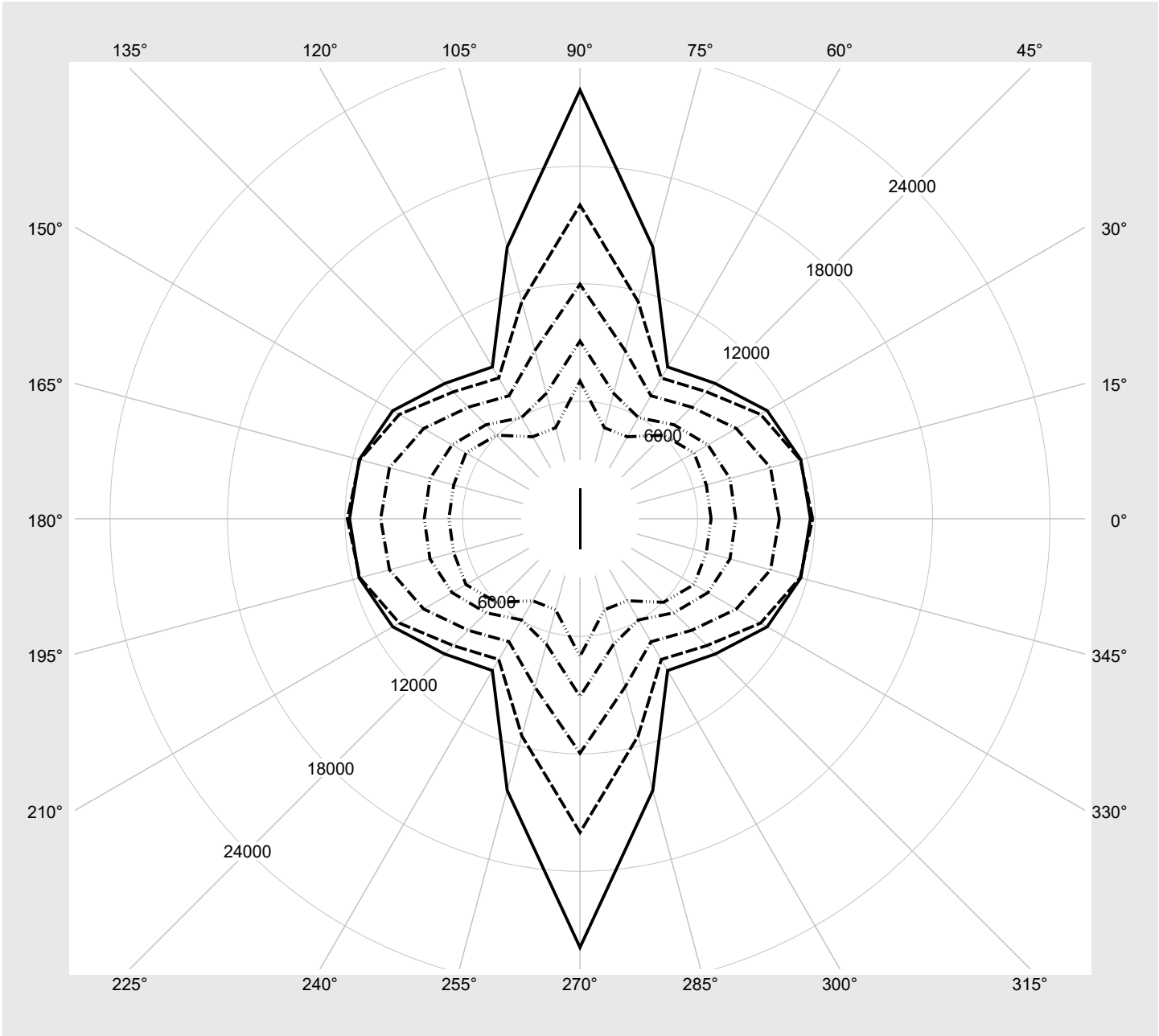
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Modario® 31	Order number: 53BM813DU4F5C2 EAN: 4069025134714	LP number 59591_4
Dimming levels table		environmental temperature: 25°C 

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	15920	92.1
95	240	252	15129	87.2
90	226	250	14326	82.6
85	212	247	13514	77.9
80	199	245	12749	73.6
75	185	242	11913	68.8
70	172	240	11129	64.4
65	159	237	10336	59.8
60	146	234	9535	55.2
55	134	231	8787	50.9
50	121	227	7969	46.3
45	108	223	7142	41.5
40	96	218	6372	37.1
35	84	213	5595	32.6
30	71	207	4746	27.6
25	59	201	3950	23.3
20	47	192	3154	19.0
15	36	182	2418	14.9
10	24	168	1610	10.5
5	12	142	795	6.0
2	4	102	250	2.9