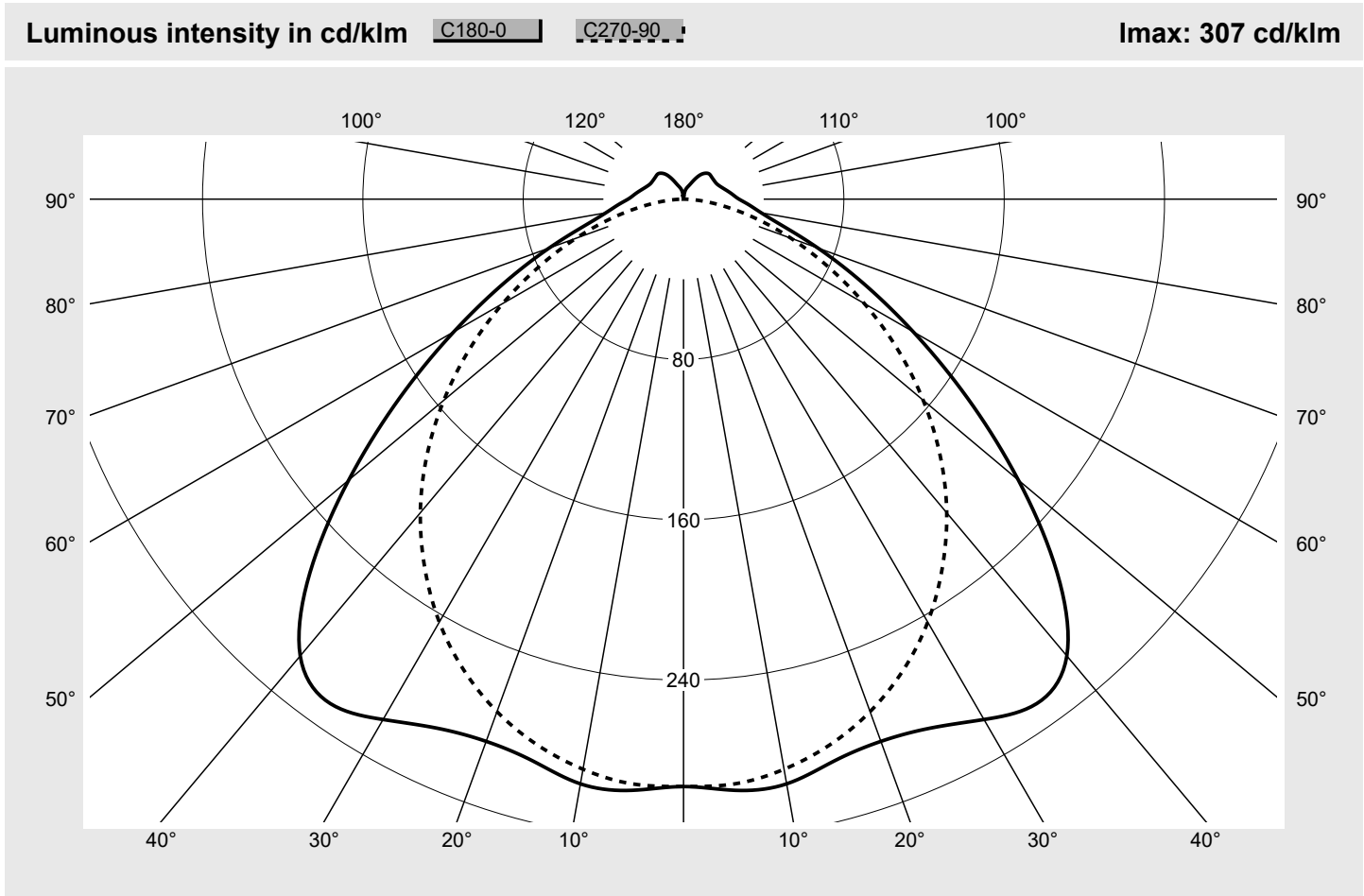


Photometric test report

Family Modario® 31	Order number: 53BM812DV4A5C23S EAN: 4069025254894	LP number 59594_30
	Version	diffuser optic, frosted, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Setting	emergency light operation: 3 h
	Rated values	Net luminous flux = 950 lm Power consumption = 6.3 W Luminous efficacy = 150.8 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: 53BM812DV4A5C23S EAN: 4069025254894	LP number 59594_30
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: 53BM812DV4A5C23S EAN: 4069025254894							LP number 59594_30	
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	14.7	16.4	15.1	16.7	17.0	14.5	16.2	14.9	16.5	16.8
	3H	15.6	17.1	15.9	17.4	17.8	15.6	17.2	16.0	17.5	17.8
	4H	15.9	17.3	16.3	17.7	18.0	16.0	17.5	16.4	17.8	18.2
	6H	16.2	17.5	16.6	17.9	18.3	16.3	17.6	16.7	18.0	18.4
	8H	16.4	17.6	16.8	18.0	18.4	16.4	17.6	16.8	18.0	18.4
	12H	16.5	17.7	16.9	18.1	18.5	16.4	17.6	16.8	18.0	18.4
4H	2H	15.4	16.8	15.8	17.2	17.5	15.2	16.7	15.6	17.0	17.4
	3H	16.4	17.6	16.8	18.0	18.4	16.6	17.8	17.0	18.2	18.6
	4H	16.8	17.9	17.2	18.3	18.7	17.1	18.2	17.5	18.6	19.0
	6H	17.2	18.1	17.6	18.6	19.0	17.4	18.4	17.9	18.8	19.3
	8H	17.4	18.2	17.8	18.7	19.2	17.5	18.4	18.0	18.9	19.4
	12H	17.6	18.4	18.1	18.8	19.3	17.6	18.4	18.1	18.9	19.4
8H	4H	17.0	17.9	17.5	18.4	18.8	17.3	18.2	17.8	18.6	19.1
	6H	17.5	18.3	18.0	18.7	19.2	17.8	18.5	18.3	19.0	19.5
	8H	17.8	18.5	18.3	19.0	19.5	18.0	18.6	18.5	19.1	19.6
	12H	18.2	18.7	18.7	19.2	19.7	18.1	18.7	18.6	19.2	19.7
12H	4H	17.1	17.9	17.5	18.3	18.8	17.4	18.1	17.8	18.6	19.1
	6H	17.6	18.3	18.1	18.8	19.3	17.9	18.5	18.4	19.0	19.5
	8H	17.9	18.5	18.5	19.0	19.5	18.1	18.7	18.6	19.2	19.7

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	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° 50° 55° 60°	γ	2399.6	2462.6	2530.6	2488.6	2307.7	2169.9	2198.2
		2083.8	2156.2	2304.6	2408.4	2281.7	2079.0	2084.1
		1752.3	1816.7	1979.9	2187.7	2188.1	1965.2	1948.7
		1439.6	1490.3	1627.8	1863.5	1989.6	1812.2	1787.5
65° 70° 75° 80° 85°	γ	1166.7	1204.0	1304.7	1513.8	1713.6	1618.5	1611.6
		934.5	966.2	1040.4	1207.9	1415.1	1399.8	1431.8
		753.2	777.2	843.9	978.9	1142.6	1162.7	1242.7
		673.7	684.1	724.3	806.6	902.8	913.4	1032.6
		671.3	676.2	689.9	706.2	713.0	678.2	821.1

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Family
Modario® 31

Order number: 53BM812DV4A5C23S
EAN: 4069025254894

LP number
59594_30

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

