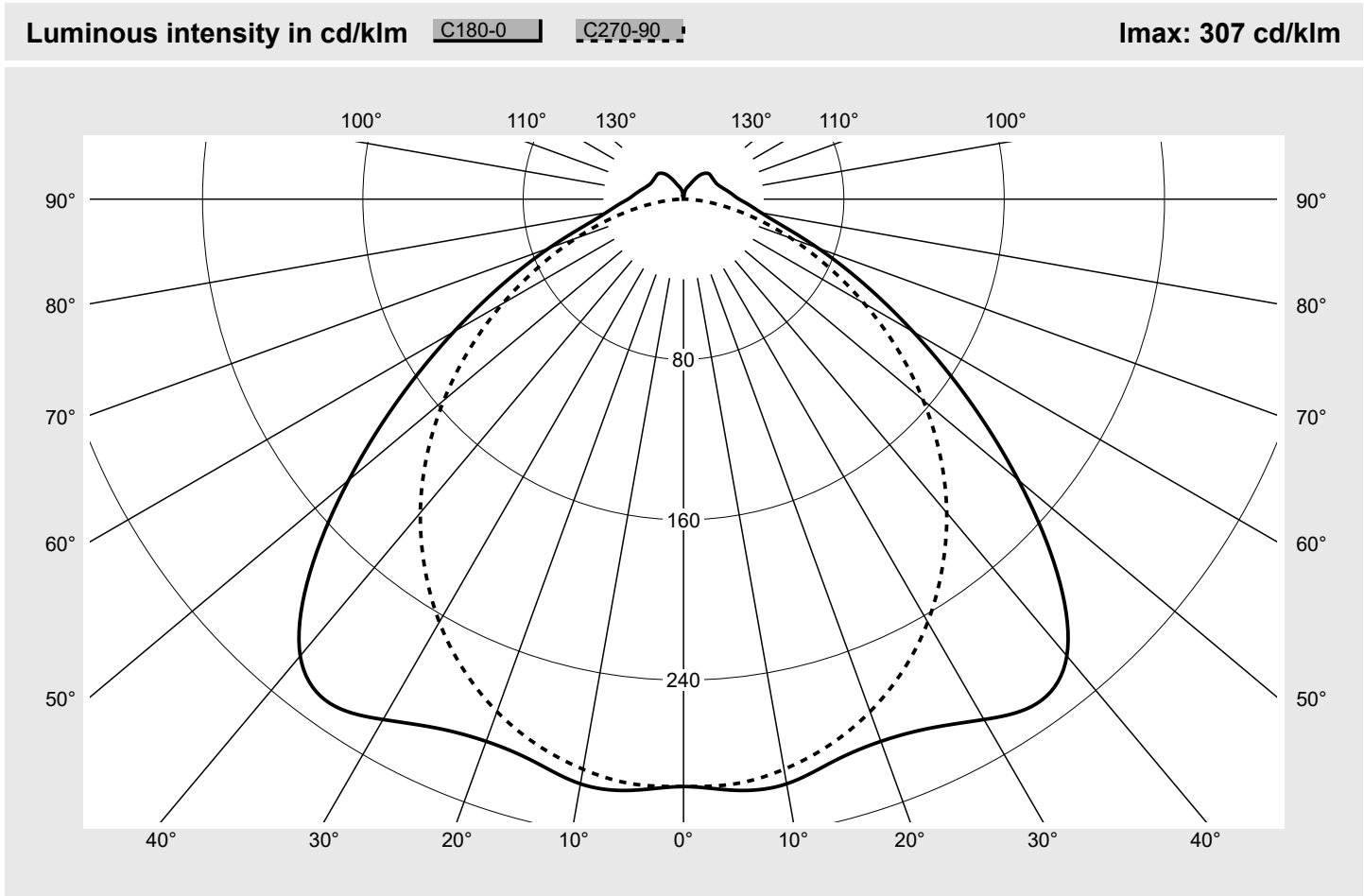


Photometric test report

Family Modario® 31	Order number: 53BM812DV4F5D23S EAN: 4069025254931		LP number 59594_33
	Version	diffuser optic, frosted, wide distribution	serial documentation 02.05.2024
	Lamps	LED 4000 K CRI ≥ 80	
	Controlgear	ECG-DALI	
	Setting	emergency light operation: 3 h	
	Rated values	Net luminous flux = 940 lm	
		Power consumption = 7.5 W	
Luminous efficacy = 125.3 lm/W			
			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

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Table of values for luminous intensities		Maximum luminous intensity

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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: 53BM812DV4F5D23S EAN: 4069025254931	LP number 59594_33
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	15.0	16.7	17.0	14.5	16.2	14.8	16.5	16.8
	3H	15.5	17.1	15.9	17.4	17.7	15.6	17.1	16.0	17.5	17.8
	4H	15.8	17.3	16.2	17.6	18.0	16.0	17.4	16.4	17.8	18.1
	6H	16.1	17.5	16.6	17.8	18.2	16.2	17.6	16.6	17.9	18.3
	8H	16.3	17.5	16.7	17.9	18.3	16.3	17.6	16.7	18.0	18.4
	12H	16.5	17.6	16.9	18.0	18.4	16.4	17.6	16.8	18.0	18.4
4H	2H	15.3	16.8	15.7	17.1	17.5	15.2	16.6	15.6	17.0	17.4
	3H	16.3	17.5	16.7	17.9	18.3	16.5	17.8	17.0	18.1	18.6
	4H	16.7	17.8	17.2	18.2	18.7	17.0	18.2	17.5	18.6	19.0
	6H	17.1	18.1	17.6	18.5	19.0	17.4	18.4	17.9	18.8	19.3
	8H	17.3	18.2	17.8	18.7	19.1	17.5	18.4	18.0	18.8	19.3
	12H	17.6	18.3	18.0	18.8	19.3	17.6	18.4	18.1	18.8	19.3
8H	4H	17.0	17.9	17.5	18.3	18.8	17.3	18.2	17.8	18.6	19.1
	6H	17.5	18.2	18.0	18.7	19.2	17.8	18.5	18.3	19.0	19.5
	8H	17.8	18.4	18.3	18.9	19.4	17.9	18.6	18.4	19.1	19.6
	12H	18.1	18.7	18.6	19.2	19.7	18.1	18.6	18.6	19.1	19.7
12H	4H	17.0	17.8	17.5	18.3	18.8	17.3	18.1	17.8	18.6	19.1
	6H	17.6	18.2	18.1	18.7	19.2	17.9	18.5	18.4	19.0	19.5
	8H	17.9	18.5	18.4	19.0	19.5	18.1	18.6	18.6	19.1	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	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°	2374.3	2436.7	2504.0	2462.5	2283.4	2147.0	2175.0				
50°	2061.9	2133.5	2280.3	2383.0	2257.7	2057.1	2062.2				
55°	1733.9	1797.6	1959.0	2164.6	2165.0	1944.5	1928.2				
60°	1424.5	1474.7	1610.7	1843.8	1968.6	1793.2	1768.7				
65°	1154.4	1191.4	1291.0	1497.8	1695.5	1601.4	1594.6				
70°	924.7	956.0	1029.4	1195.2	1400.2	1385.0	1416.7				
75°	745.2	769.0	835.0	968.6	1130.5	1150.5	1229.7				
80°	666.6	676.9	716.7	798.1	893.3	903.7	1021.8				
85°	664.3	669.0	682.6	698.8	705.5	671.1	812.5				

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Family
Modario® 31

Order number: 53BM812DV4F5D23S
EAN: 4069025254931

LP number
59594_33

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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