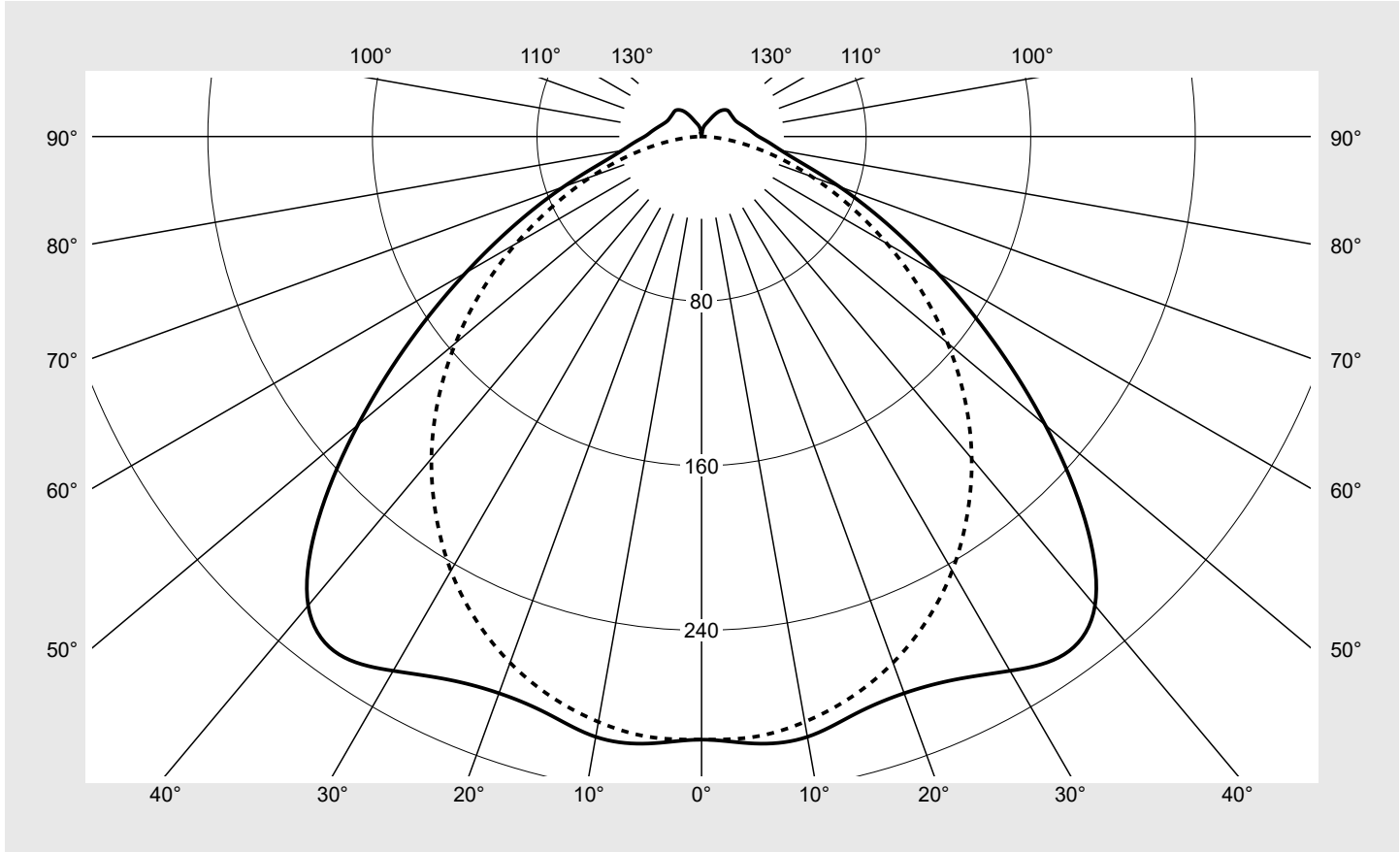


Photometric test report

Family Modario® 31	Order number: 53BM812DU4HXD2D EAN: 4069025134615	LP number 59594_55
Version	diffuser optic, frosted, wide distribution	serial documentation 06.05.2024
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	sITeco
Setting	DC mode (central or group accumulator) initial emergency light level	
Rated values	Net luminous flux = 2650 lm Power consumption = 15.9 W Luminous efficacy = 166.7 lm/W	

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: 53BM812DU4HXD2D EAN: 4069025134615	LP number 59594_55
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: 53BM812DU4HxD2D EAN: 4069025134615	LP number 59594_55
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UGR-Table	Standard room	siteco
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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	16.6	18.3	17.0	18.6	18.9	16.4	18.1	16.7	18.4	18.7
	3H	17.5	19.0	17.8	19.3	19.7	17.5	19.0	17.9	19.4	19.7
	4H	17.8	19.2	18.2	19.6	19.9	17.9	19.3	18.3	19.7	20.1
	6H	18.1	19.4	18.5	19.8	20.1	18.2	19.5	18.6	19.9	20.3
	8H	18.2	19.5	18.7	19.9	20.3	18.3	19.5	18.7	19.9	20.3
	12H	18.4	19.6	18.8	20.0	20.4	18.3	19.5	18.7	19.9	20.3
4H	2H	17.2	18.7	17.6	19.0	19.4	17.1	18.6	17.5	18.9	19.3
	3H	18.2	19.5	18.7	19.9	20.3	18.5	19.7	18.9	20.1	20.5
	4H	18.7	19.8	19.1	20.2	20.6	19.0	20.1	19.4	20.5	20.9
	6H	19.0	20.0	19.5	20.4	20.9	19.3	20.3	19.8	20.7	21.2
	8H	19.3	20.1	19.7	20.6	21.0	19.4	20.3	19.9	20.8	21.2
	12H	19.5	20.3	20.0	20.7	21.2	19.5	20.3	20.0	20.8	21.3
8H	4H	18.9	19.8	19.4	20.3	20.7	19.2	20.1	19.7	20.5	21.0
	6H	19.4	20.2	19.9	20.6	21.1	19.7	20.4	20.2	20.9	21.4
	8H	19.7	20.4	20.2	20.9	21.4	19.9	20.5	20.4	21.0	21.5
	12H	20.1	20.6	20.6	21.1	21.6	20.0	20.6	20.5	21.1	21.6
12H	4H	19.0	19.8	19.4	20.2	20.7	19.3	20.0	19.7	20.5	21.0
	6H	19.5	20.2	20.0	20.6	21.2	19.8	20.4	20.3	20.9	21.4
	8H	19.8	20.4	20.3	20.9	21.4	20.0	20.5	20.5	21.0	21.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2392	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°		4130.3	4238.7	4355.9	4283.6	3972.1	3734.9	3783.6	
50°		3586.8	3711.4	3966.8	4145.5	3927.4	3578.4	3587.3	
55°		3016.2	3127.0	3407.9	3765.5	3766.2	3382.6	3354.2	
60°		2478.0	2565.3	2801.9	3207.5	3424.6	3119.4	3076.8	
65°		2008.2	2072.5	2245.8	2605.6	2949.5	2785.8	2774.0	
70°		1608.5	1663.1	1790.8	2079.2	2435.7	2409.4	2464.5	
75°		1296.4	1337.8	1452.5	1685.0	1966.6	2001.4	2139.1	
80°		1159.6	1177.5	1246.7	1388.3	1554.0	1572.1	1777.4	
85°		1155.5	1163.8	1187.5	1215.5	1227.3	1167.4	1413.3	

Photometric test report

Family
Modario® 31

Order number: 53BM812DU4HXD2D
EAN: 4069025134615

LP number
59594_55

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

