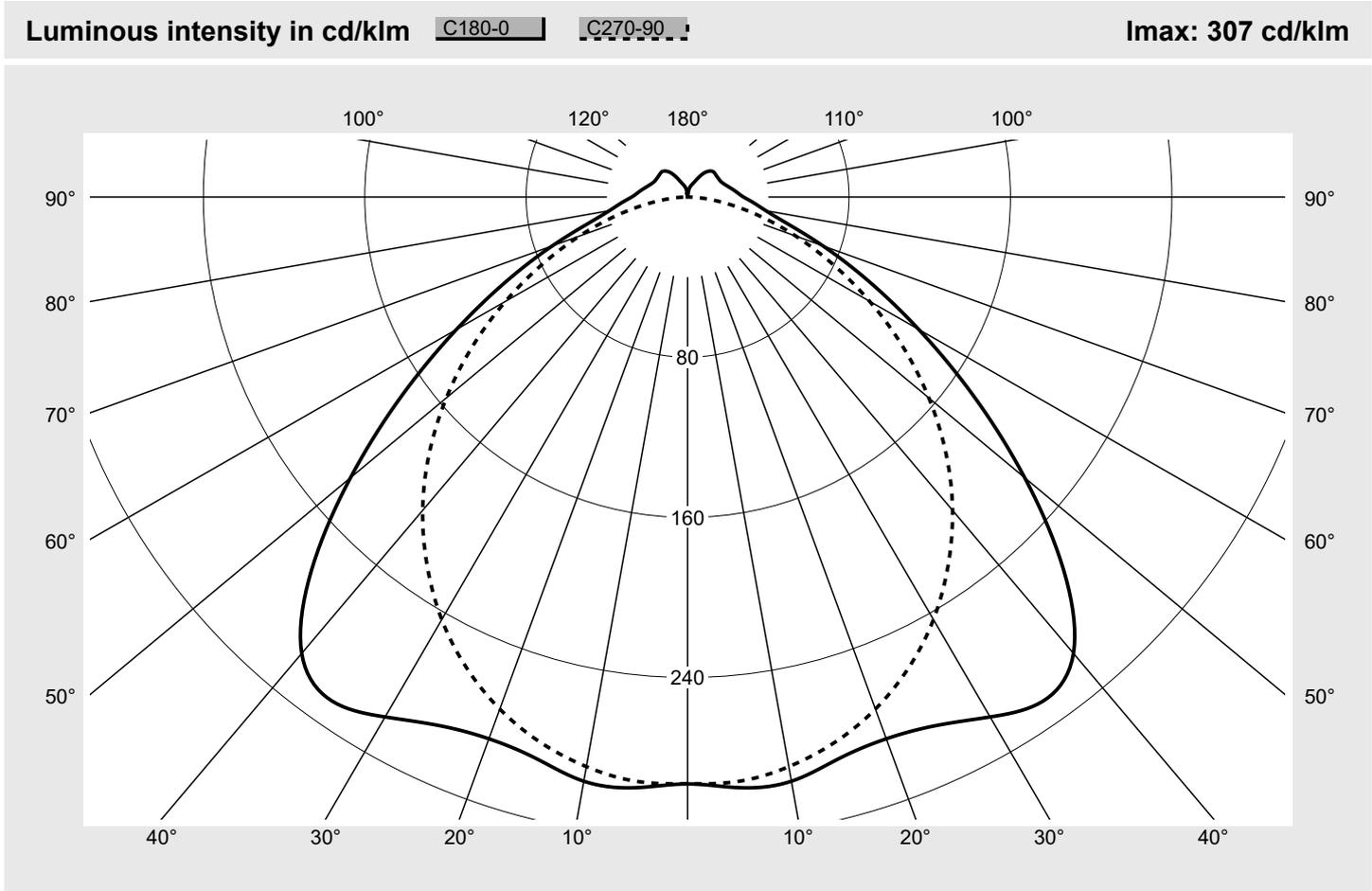


Photometric test report

Family Modario® 31 	Order number: 53BM812DV4D5D2D EAN: 4069025124548	LP number 59594_51
	Version diffuser optic, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting DC mode (central or group accumulator) initial emergency light level Rated values Net luminous flux = 2130 lm Power consumption = 13.3 W Luminous efficacy = 160.2 lm/W	serial documentation 06.05.2024



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: 53BM812DV4D5D2D EAN: 4069025124548	LP number 59594_51
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: 53BM812DV4D5D2D EAN: 4069025124548	LP number 59594_51
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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	17.5	19.2	17.9	19.5	19.9	17.3	19.0	17.7	19.3	19.6
	3H	18.4	19.9	18.8	20.2	20.6	18.4	20.0	18.8	20.3	20.7
	4H	18.7	20.1	19.1	20.5	20.8	18.8	20.3	19.2	20.6	21.0
	6H	19.0	20.3	19.4	20.7	21.1	19.1	20.4	19.5	20.8	21.2
	8H	19.2	20.4	19.6	20.8	21.2	19.2	20.4	19.6	20.8	21.2
	12H	19.3	20.5	19.7	20.9	21.3	19.2	20.4	19.6	20.8	21.2
4H	2H	18.2	19.6	18.6	20.0	20.3	18.1	19.5	18.4	19.8	20.2
	3H	19.2	20.4	19.6	20.8	21.2	19.4	20.6	19.8	21.0	21.4
	4H	19.6	20.7	20.0	21.1	21.5	19.9	21.0	20.3	21.4	21.8
	6H	20.0	20.9	20.4	21.4	21.8	20.2	21.2	20.7	21.6	22.1
	8H	20.2	21.1	20.6	21.5	22.0	20.4	21.2	20.8	21.7	22.2
	12H	20.4	21.2	20.9	21.6	22.1	20.4	21.2	20.9	21.7	22.2
8H	4H	19.8	20.7	20.3	21.2	21.6	20.1	21.0	20.6	21.5	21.9
	6H	20.3	21.1	20.8	21.6	22.1	20.6	21.4	21.1	21.8	22.3
	8H	20.6	21.3	21.1	21.8	22.3	20.8	21.4	21.3	21.9	22.4
	12H	21.0	21.5	21.5	22.0	22.6	20.9	21.5	21.4	22.0	22.5
12H	4H	19.9	20.7	20.4	21.1	21.6	20.2	21.0	20.7	21.4	21.9
	6H	20.4	21.1	20.9	21.6	22.1	20.7	21.3	21.2	21.8	22.3
	8H	20.8	21.3	21.3	21.8	22.3	20.9	21.5	21.4	22.0	22.5

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°		5380.2	5521.4	5673.9	5579.8	5174.0	4865.1	4928.5	
50°		4672.2	4834.4	5167.1	5399.9	5115.9	4661.3	4672.8	
55°		3928.9	4073.3	4439.1	4905.0	4905.9	4406.2	4369.1	
60°		3227.8	3341.5	3649.7	4178.1	4460.8	4063.2	4007.8	
65°		2615.8	2699.6	2925.3	3394.0	3842.0	3628.8	3613.3	
70°		2095.2	2166.3	2332.7	2708.3	3172.8	3138.4	3210.2	
75°		1688.7	1742.5	1892.1	2194.8	2561.7	2607.0	2786.3	
80°		1510.5	1533.9	1624.0	1808.4	2024.2	2047.8	2315.3	
85°		1505.2	1516.0	1546.8	1583.3	1598.6	1520.6	1841.0	

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

