



## Photometric test report

<b>Family</b> <b>Modario® 31</b>	<b>Order number: 53BM812CV4DXD2</b> <b>EAN: 4069025123077</b>	<b>LP number</b> <b>59594_19</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes $\gamma$	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

<b>Family</b> Modario® 31	<b>Order number: 53BM812CV4DXD2</b> <b>EAN: 4069025123077</b>	<b>LP number</b> 59594_19
------------------------------	--	------------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
------------------	----------------------	---------------

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	23.8	25.5	24.2	25.8	26.1	23.6	25.3	24.0	25.6	25.9
	3H	24.7	26.2	25.0	26.5	26.9	24.7	26.3	25.1	26.6	26.9
	4H	25.0	26.4	25.4	26.8	27.1	25.1	26.6	25.5	26.9	27.3
	6H	25.3	26.6	25.7	27.0	27.4	25.4	26.7	25.8	27.1	27.5
	8H	25.5	26.7	25.9	27.1	27.5	25.5	26.7	25.9	27.1	27.5
	12H	25.6	26.8	26.0	27.2	27.6	25.5	26.7	25.9	27.1	27.5
4H	2H	24.5	25.9	24.9	26.3	26.6	24.3	25.8	24.7	26.1	26.5
	3H	25.5	26.7	25.9	27.1	27.5	25.7	26.9	26.1	27.3	27.7
	4H	25.9	27.0	26.3	27.4	27.8	26.2	27.3	26.6	27.7	28.1
	6H	26.3	27.2	26.7	27.7	28.1	26.5	27.5	27.0	27.9	28.4
	8H	26.5	27.3	26.9	27.8	28.3	26.6	27.5	27.1	28.0	28.5
	12H	26.7	27.5	27.2	27.9	28.4	26.7	27.5	27.2	28.0	28.5
8H	4H	26.1	27.0	26.6	27.5	27.9	26.4	27.3	26.9	27.7	28.2
	6H	26.6	27.4	27.1	27.9	28.3	26.9	27.6	27.4	28.1	28.6
	8H	26.9	27.6	27.4	28.1	28.6	27.1	27.7	27.6	28.2	28.7
	12H	27.3	27.8	27.8	28.3	28.8	27.2	27.8	27.7	28.3	28.8
12H	4H	26.2	27.0	26.7	27.4	27.9	26.5	27.2	26.9	27.7	28.2
	6H	26.7	27.4	27.2	27.9	28.4	27.0	27.6	27.5	28.1	28.6
	8H	27.0	27.6	27.6	28.1	28.6	27.2	27.8	27.7	28.3	28.8

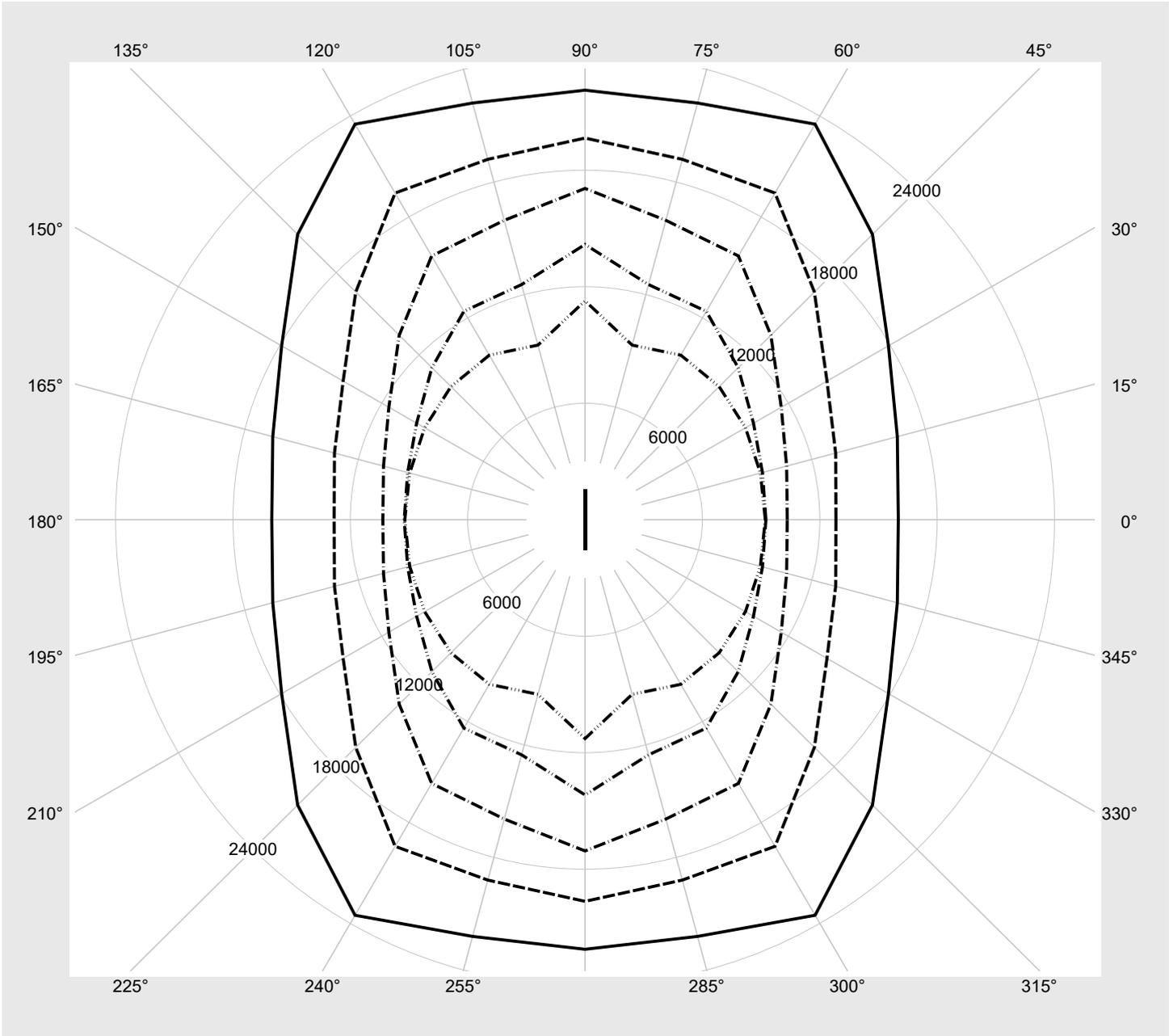
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1476</b>	<b>H(C0) = 25</b>	<b>H(C180) = 25</b>
			<b>B = 75</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		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°		32937.7	33802.1	34736.2	34159.9	31675.8	29784.5	30172.8	
50°		28603.4	29596.7	31633.2	33058.3	31319.7	28536.5	28607.3	
55°		24053.2	24936.8	27176.5	30028.5	30034.0	26974.8	26748.1	
60°		19760.8	20456.9	22343.5	25578.4	27309.4	24875.5	24536.2	
65°		16014.2	16526.9	17909.2	20778.6	23521.0	22215.7	22121.0	
70°		12827.1	13262.3	14280.8	16580.4	19423.8	19213.6	19653.2	
75°		10338.3	10668.0	11583.3	13437.0	15683.0	15960.1	17058.2	
80°		9247.1	9390.4	9942.2	11071.0	12392.6	12537.0	14174.3	
85°		9215.0	9281.2	9469.7	9693.4	9787.0	9309.3	11270.6	

**Photometric test report**

<b>Family</b> <b>Modario® 31</b>	<b>Order number: 53BM812CV4DXD2</b> <b>EAN: 4069025123077</b>	<b>LP number</b> <b>59594_19</b>
-------------------------------------	--	-------------------------------------

**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



### Photometric test report

Family <b>Modario® 31</b>	Order number: <b>53BM812CV4DXD2</b> EAN: <b>4069025123077</b>	LP number <b>59594_19</b>
------------------------------	--	------------------------------

<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	13040	68.5	82.3	75.4
2	A	C	F	12200	63.8	76.3	70.0
3	A	D	E	11420	59.5	71.1	65.3
4	A	D	F	10650	55.2	65.9	60.6
5	B	C	E	9860	51.0	60.7	55.8
6	B	C	F	9070	46.7	55.6	51.2
7	B	D	E	8270	42.4	50.5	46.4
8	B	D	F	7540	38.7	45.8	42.2