

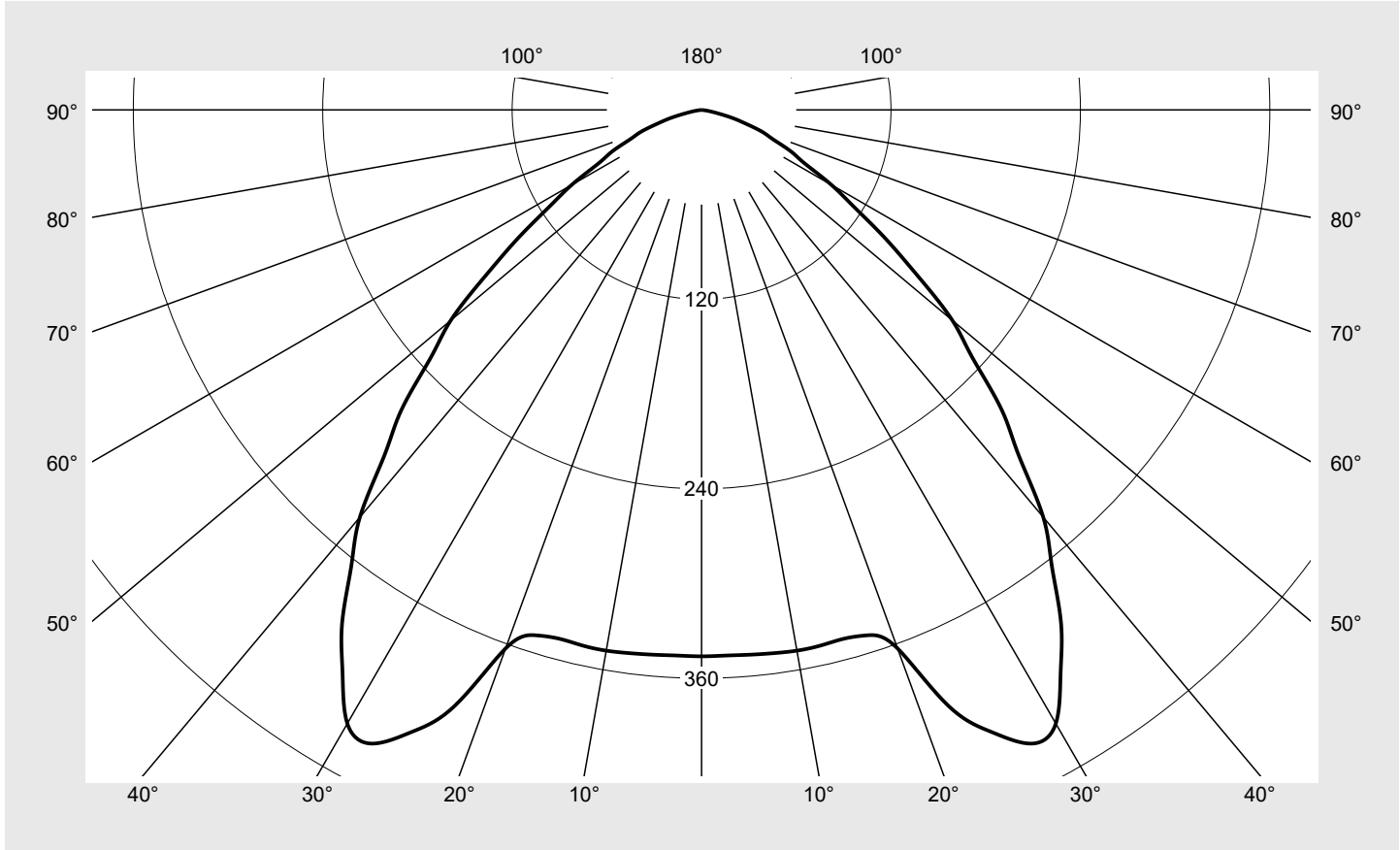


# Photometric test report

<b>Family</b> <b>Lunis R LED</b>	<b>Order number: 58DC011M04400A</b> <b>EAN: 4069025314178</b>	<b>LP number</b> <b>59720_14</b>
	<b>Version</b> Downlight for recessed ceiling <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> Net luminous flux = 4310 lm Power consumption = 25.9 W Luminous efficacy = 166.4 lm/W	<b>serial documentation</b> <b>27.03.2025</b>
		

**Luminous intensity in cd/klm** C180-0 **Imax: 453 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=61 N2=91 N3=99 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

## Photometric test report

<b>Family</b> Lunis R LED	<b>Order number: 58DC011M04400A</b> <b>EAN: 4069025314178</b>	<b>LP number</b> 59720_14
------------------------------	--	------------------------------

**sITeco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
---	-----------------------------------

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	346.1	0.5	0.5
2,5°	346.0	4.1	4.7
5,0°	346.4	8.3	12.9
7,5°	347.1	12.4	25.4
10,0°	347.8	16.6	41.9
12,5°	347.6	20.6	62.5
15,0°	346.9	24.6	87.1
17,5°	349.0	28.8	115.9
20,0°	363.0	34.0	149.9
22,5°	408.6	42.9	192.8
25,0°	434.8	50.4	243.2
27,5°	452.5	57.3	300.5
30,0°	448.9	61.5	362.0
32,5°	423.3	62.3	424.3
35,0°	397.1	62.4	486.8
37,5°	364.6	60.8	547.6
40,0°	336.8	59.3	607.0
42,5°	297.9	55.2	662.1
45,0°	269.1	52.2	714.3
47,5°	233.2	47.1	761.4
50,0°	207.4	43.6	805.0
52,5°	172.4	37.5	842.5
55,0°	142.5	32.0	874.4
57,5°	114.7	26.5	901.0
60,0°	95.0	22.6	923.5
62,5°	74.0	18.0	941.5
65,0°	62.8	15.6	957.1
67,5°	49.4	12.5	969.6
70,0°	41.3	10.6	980.3
72,5°	30.0	7.9	988.1
75,0°	21.3	5.6	993.8
77,5°	12.0	3.2	997.0
80,0°	6.2	1.7	998.7
82,5°	2.5	0.7	999.3
85,0°	1.8	0.5	999.8
87,5°	1.2	0.3	1000.2

## Photometric test report

Family <b>Lunis R LED</b>	Order number: <b>58DC011M04400A</b> EAN: <b>4069025314178</b>	LP number <b>59720_14</b>
------------------------------	--	------------------------------

UGR-Table		Standard room									
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	21.4	23.0	21.8	23.3	23.6	21.4	23.0	21.8	23.3	23.6
	3H	21.9	23.3	22.3	23.6	24.0	21.9	23.3	22.3	23.6	24.0
	4H	22.0	23.3	22.4	23.6	24.0	22.0	23.3	22.4	23.6	24.0
	6H	22.0	23.2	22.4	23.6	24.0	22.0	23.2	22.4	23.6	24.0
	8H	22.0	23.1	22.5	23.5	23.9	22.0	23.1	22.5	23.5	23.9
	12H	22.0	23.0	22.5	23.4	23.8	22.0	23.0	22.5	23.4	23.8
4H	2H	21.7	23.0	22.1	23.3	23.7	21.7	23.0	22.1	23.3	23.7
	3H	22.3	23.4	22.7	23.8	24.2	22.3	23.4	22.7	23.8	24.2
	4H	22.5	23.4	22.9	23.8	24.3	22.5	23.4	22.9	23.8	24.3
	6H	22.5	23.3	22.9	23.7	24.2	22.5	23.3	22.9	23.7	24.2
	8H	22.5	23.2	22.9	23.7	24.1	22.5	23.2	22.9	23.7	24.1
	12H	22.5	23.1	22.9	23.6	24.1	22.5	23.1	22.9	23.6	24.1
8H	4H	22.5	23.2	23.0	23.7	24.2	22.5	23.2	23.0	23.7	24.2
	6H	22.5	23.1	23.0	23.6	24.1	22.5	23.1	23.0	23.6	24.1
	8H	22.5	23.0	23.0	23.5	24.0	22.5	23.0	23.0	23.5	24.0
	12H	22.5	22.9	23.0	23.4	24.0	22.5	22.9	23.0	23.4	24.0
12H	4H	22.5	23.1	23.0	23.6	24.1	22.5	23.1	23.0	23.6	24.1
	6H	22.5	23.0	23.0	23.5	24.0	22.5	23.0	23.0	23.5	24.0
	8H	22.5	22.9	23.0	23.4	24.0	22.5	22.9	23.0	23.4	24.0

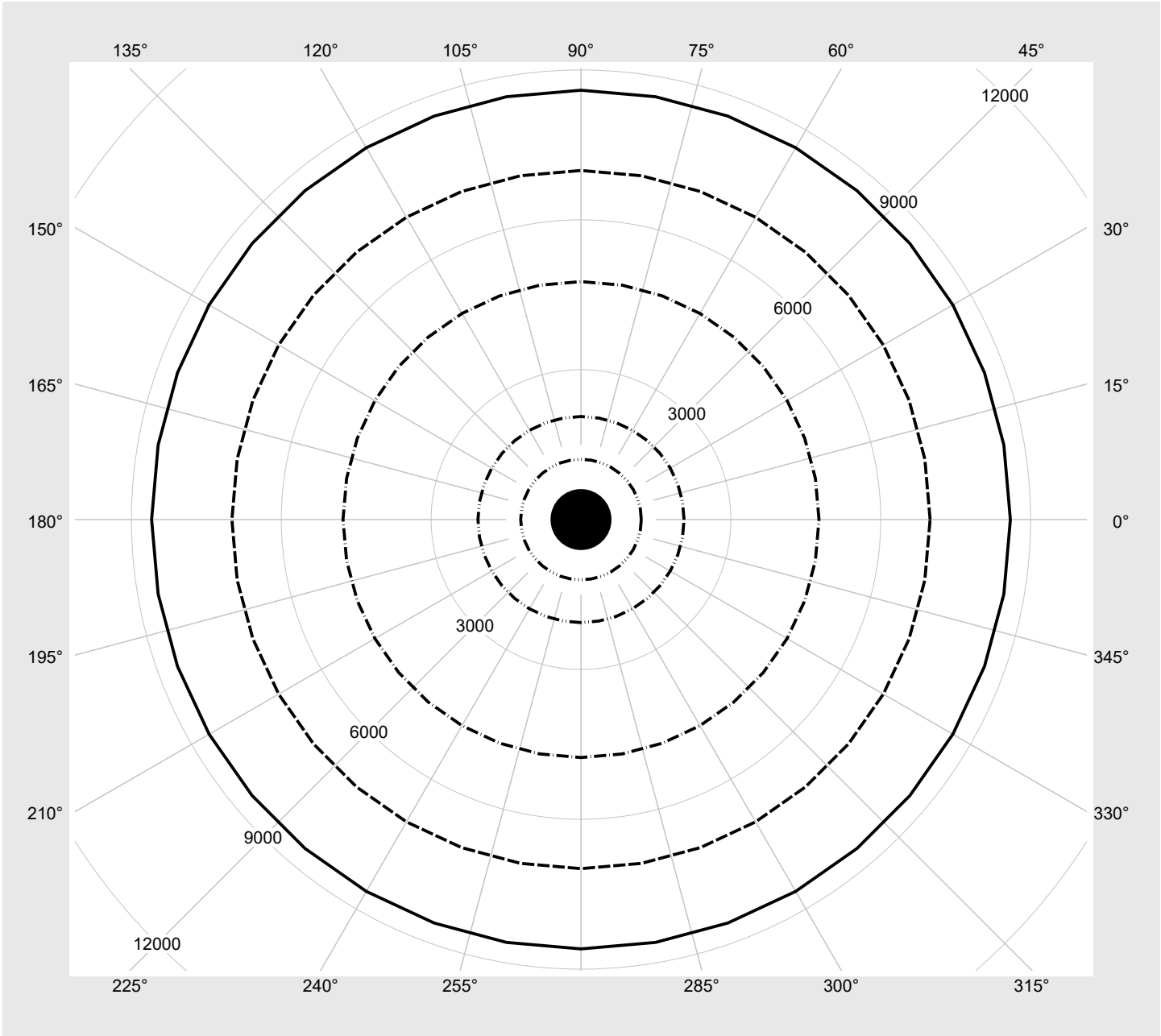
<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 308
------------------------	---------------------------------	---------------------------------------

C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45,0°	22013.3
50,0°	18664.3
55,0°	14367.6
60,0°	10990.6
65,0°	8595.1
70,0°	6988.3
75,0°	4764.0
80,0°	2062.8
85,0°	1206.7

**Photometric test report**

<b>Family</b> Lunis R LED	<b>Order number: 58DC011M04400A</b> <b>EAN: 4069025314178</b>	<b>LP number</b> 59720_14
------------------------------	--	------------------------------

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



## Photometric test report

Family  
Lunis R LED

Order number: 58DC011M04400A  
EAN: 4069025314178

LP number  
59720\_14

### Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	4310	25.9
6	OFF	ON	ON	4020	24.0
5	ON	OFF	ON	3730	22.2
4	OFF	OFF	ON	3440	20.4
3	ON	ON	OFF	3140	18.6
2	OFF	ON	OFF	2840	16.5
1	ON	OFF	OFF	2540	15.3
0	OFF	OFF	OFF	2230	13.5