

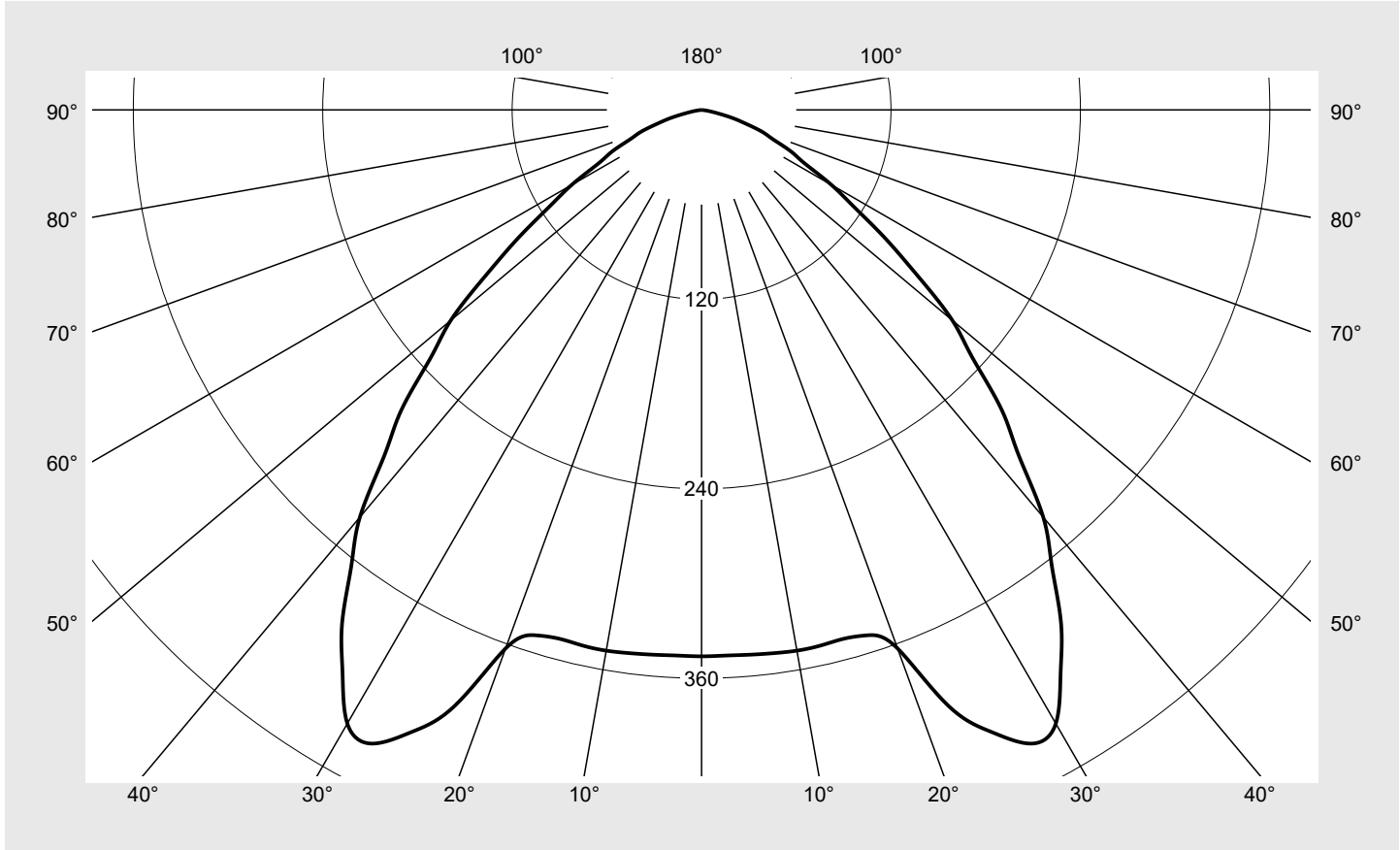


# Photometric test report

<b>Family</b> <b>Lunis R LED</b>	<b>Order number: 58DC011M02400A</b> <b>EAN: 4069025314154</b>	<b>LP number</b> <b>59720_11</b>
	<b>Version</b> Downlight for recessed ceiling <b>Lamps</b> LED 3000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> Net luminous flux = 4100 lm Power consumption = 25.9 W Luminous efficacy = 158.3 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

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**sITeco**

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

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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	21.2	22.8	21.6	23.1	23.4	21.2	22.8	21.6	23.1	23.4
	3H	21.7	23.1	22.1	23.4	23.8	21.7	23.1	22.1	23.4	23.8
	4H	21.8	23.1	22.2	23.5	23.8	21.8	23.1	22.2	23.5	23.8
	6H	21.8	23.0	22.3	23.4	23.8	21.8	23.0	22.3	23.4	23.8
	8H	21.9	22.9	22.3	23.3	23.7	21.9	22.9	22.3	23.3	23.7
	12H	21.9	22.9	22.3	23.3	23.7	21.9	22.9	22.3	23.3	23.7
4H	2H	21.5	22.8	21.9	23.1	23.5	21.5	22.8	21.9	23.1	23.5
	3H	22.1	23.2	22.6	23.6	24.0	22.1	23.2	22.6	23.6	24.0
	4H	22.3	23.2	22.7	23.6	24.1	22.3	23.2	22.7	23.6	24.1
	6H	22.3	23.1	22.8	23.6	24.0	22.3	23.1	22.8	23.6	24.0
	8H	22.3	23.0	22.8	23.5	24.0	22.3	23.0	22.8	23.5	24.0
	12H	22.3	22.9	22.8	23.4	23.9	22.3	22.9	22.8	23.4	23.9
8H	4H	22.3	23.1	22.8	23.5	24.0	22.3	23.1	22.8	23.5	24.0
	6H	22.3	22.9	22.8	23.4	23.9	22.3	22.9	22.8	23.4	23.9
	8H	22.3	22.8	22.8	23.3	23.9	22.3	22.8	22.8	23.3	23.9
	12H	22.3	22.7	22.8	23.2	23.8	22.3	22.7	22.8	23.2	23.8
12H	4H	22.3	23.0	22.8	23.4	23.9	22.3	23.0	22.8	23.4	23.9
	6H	22.3	22.8	22.8	23.3	23.9	22.3	22.8	22.8	23.3	23.9
	8H	22.3	22.7	22.8	23.2	23.8	22.3	22.7	22.8	23.2	23.8

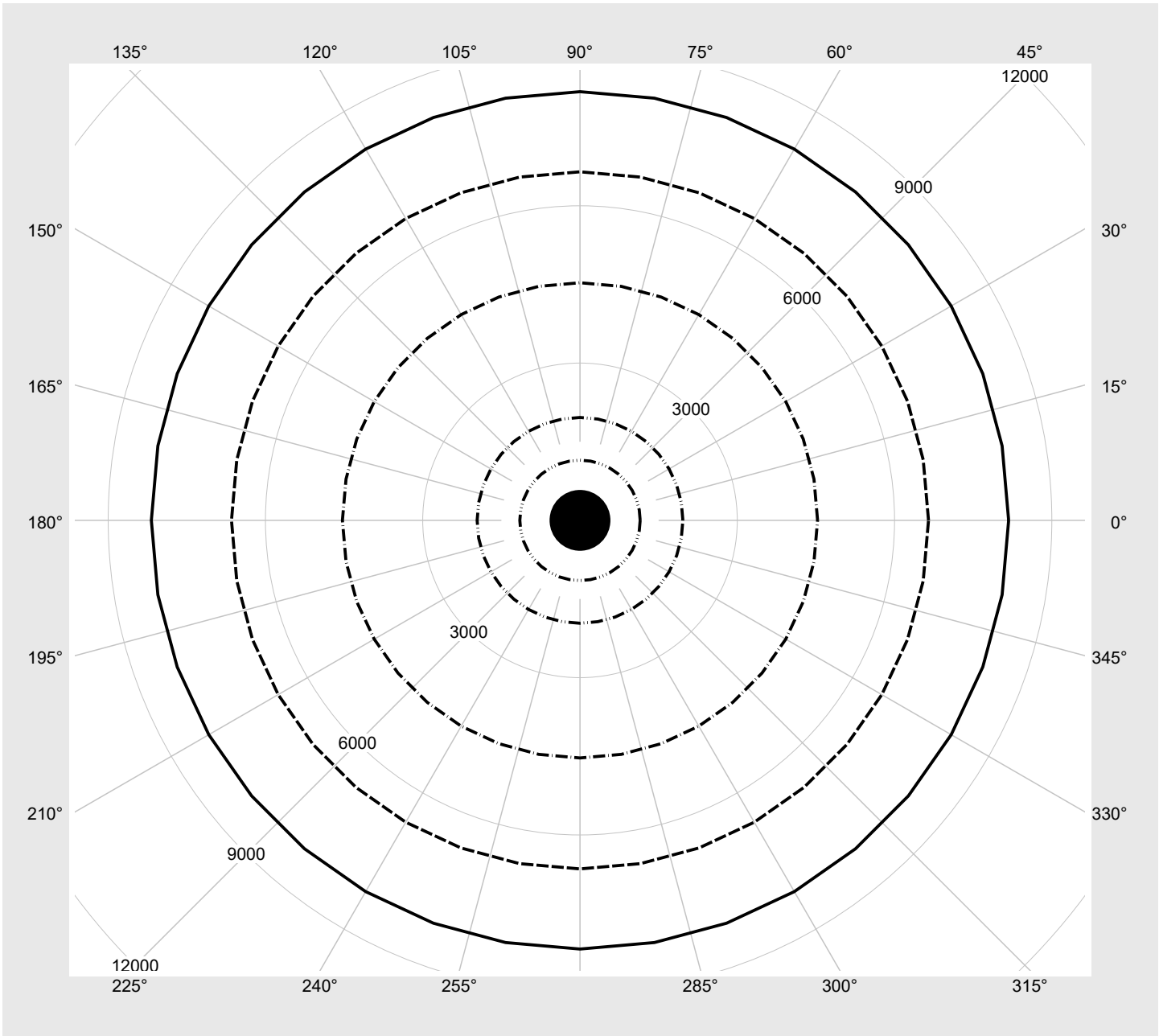
<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 308
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45,0°	20940.7
50,0°	17754.9
55,0°	13667.6
60,0°	10455.1
65,0°	8176.3
70,0°	6647.8
75,0°	4531.9
80,0°	1962.2
85,0°	1147.9

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**Luminance values in cd/m<sup>2</sup>**       $\gamma$  65°      $\gamma$  70°      $\gamma$  75°      $\gamma$  80°      $\gamma$  85°



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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>siteco</b>
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	4100	25.9
6	OFF	ON	ON	3830	24.0
5	ON	OFF	ON	3550	22.2
4	OFF	OFF	ON	3270	20.4
3	ON	ON	OFF	2990	18.6
2	OFF	ON	OFF	2710	16.5
1	ON	OFF	OFF	2420	15.2
0	OFF	OFF	OFF	2120	13.5